

CURRICULUM VITAE**Roberto Romero, M.D.****PERSONAL DATA:**

Date and place of birth: September 18, 1951; Maracaibo, Venezuela
Spouse: Virginia Sabo, M.S.N.
Citizenship: United States of America

POSITION AND AFFILIATION:

Chief, Perinatology Research Branch
Program Director for Obstetrics and Perinatology
Division of Intramural Research, NICHD, NIH, DHHS
Wayne State University/Hutzel Women's Hospital
3990 John R, 4 Brush South
Detroit, MI 48201
Telephone: (313) 993-2700
Fax: (313) 993-2694
Email Address: romeror@mail.nih.gov

LICENSURE AND BOARD CERTIFICATION:

1979	ECFMG – Education Council for Foreign Medical Graduates
1979	State of Connecticut Department of Health
1984	Diplomat, American Board of Obstetrics and Gynecology
1987	Diplomat, American Board of Obstetrics and Gynecology in Maternal-Fetal Medicine
1992	State of Michigan Board of Medicine Physician
1994	District of Columbia Board of Medicine

EDUCATION AND TRAINING:

1967	Bachelor of Science, San Vicente de Paul, Maracaibo, Venezuela
1974	Physician and Surgeon degree, Zulia University, Venezuela. <i>Valedictorian, magna cum laude</i> (equivalent to M.D. degree in the United States)
1975 - 1976	Rotating Internship, Hospital General del Sur, Maracaibo, Venezuela
1976 - 1978	Assistant Resident in Obstetrics and Gynecology, Yale-New Haven Hospital, New Haven, Connecticut
1978 -1979	Chief Resident and Instructor in Obstetrics and Gynecology, Yale-New Haven Hospital, New Haven, Connecticut
1979	Fellow, Gynecologic Oncology, Yale University School of Medicine, New Haven, Connecticut
1980	Research Fellow, Physiology of the Cervix during Parturition, Yale University School of Medicine, New Haven, Connecticut
1980 -1982	Fellow, Maternal-Fetal Medicine, Yale University School of Medicine, New Haven, Connecticut

FACULTY AND PROFESSIONAL APPOINTMENTS:

- 1982 - 1986 Assistant Professor, Obstetrics and Gynecology, Yale University School of Medicine, New Haven, Connecticut
- 1982 - 1991 Director of Perinatal Research, Yale University School of Medicine, New Haven, Connecticut
- 1986 - 1991 Associate Professor, Obstetrics and Gynecology, Yale University School of Medicine, New Haven, Connecticut
- 1991 - 1994 Vice Chairman, Obstetrics and Gynecology, Wayne State University School of Medicine, Detroit, Michigan
- 1991 - 2000 Professor, Obstetrics and Gynecology, Wayne State University School of Medicine, Detroit, Michigan
- 1992 - Present Chief, Perinatology Research Branch, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland
- 2006 - Present Program Director for Obstetrics and Perinatology, Intramural Program, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland

ADJUNCT ACADEMIC APPOINTMENTS:

- 1991 - 2000 Clinical Professor, Obstetrics and Gynecology, Wayne State University School of Medicine, Detroit, Michigan
- 1994 - 1995 Clinical Professor, Departments of Obstetrics and Gynecology, Pathology and Physiology, Georgetown University Medical Center, Washington, DC
- 2004 - Present Associate Director, Maternal-Fetal Medicine Fellowship Program, Perinatology Research Branch/Wayne State University School of Medicine, Detroit, Michigan
- 2005 - Present Professor, Molecular Obstetrics and Genetics, Center for Molecular Medicine and Genetics, Wayne State University School of Medicine, Detroit, Michigan
- 2008 - Present Professor, Department of Epidemiology, Michigan State University, East Lansing, Michigan

CLINICAL APPOINTMENTS:

- 1982-1991 Attending physician in the Section of Maternal-Fetal Medicine, Yale-New Haven Medical Center, New Haven, Connecticut
- 1992-Present Attending physician in the Division of Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Hutzel Women's Hospital/Detroit Medical Center, Detroit, Michigan

HONORS/AWARDS:

- 1974 Valedictorian, *magna cum laude*; Physician and Surgeon degree, Zulia University, Venezuela. (equivalent to M.D. degree in the United States)
- 1979 Meehan-Miller Award (Chief Resident), Yale-New Haven Medical Center
- 1988 Society Award, Society of Perinatal Obstetricians
- 1991 Physician Scientist Award (K11), National Institutes of Health
- 1992 President's Achievement Award, Society for Gynecologic Investigation
- 1992 Annual Central Prize Award, Central Association of Obstetricians and Gynecologists (CAOG). **Romero R**, Baumann P, Gomez R, Salafia C, Rittenhouse L, Barberio D, Behnke E, Cotton DB, Mitchell MD. The relationship between spontaneous rupture of membranes, labor, and microbial invasion of the amniotic cavity and amniotic fluid concentrations of prostaglandins and thromboxane B2 in term pregnancy
- 1993 First Prize, Best Paper Award, American College of Obstetricians and Gynecologists (ACOG). Yoon BH, **Romero R**, Roh CR, Ager JW, Syn HC, Cotton D, Kim SW. Relationship between the fetal biophysical profile score, umbilical artery Doppler velocimetry and fetal blood acid-base status determined by cordocentesis
- 1993 Best Article in Obstetrics in 1993, Contemporary OB/GYN
- 1995 Research Excellence Award, Society of Perinatal Obstetricians
- 1997 Research Excellence Award, Oral Plenary Session, Society of Perinatal Obstetricians (SPO). **Romero R**, Gomez R, Ghezzi F, Yoon BH, Mazor M, Edwin SS, Berry SM. The onset of spontaneous preterm parturition is preceded by an intense pro-inflammatory cytokine response in the human fetus
- 1999 Research Excellence Award, Oral Session E, Society for Maternal-Fetal Medicine (SMFM). **Romero R**, Gomez R, Ghezzi F, Maymon E, Yoon BH, Mazor M, Berry SM, Silva M, Treadwell M, DeVore GR. A novel form of fetal cardiac dysfunction in preterm premature rupture of membranes
- 1999 Research Excellence Award, Oral Session I, Society for Maternal-Fetal Medicine (SMFM). Yoon BH, Park JS, **Romero R**, Kim JC, Kim GJ, Lim JY, Han TR, Choi JH, Syn HC. Intra-amniotic inflammation and the development of cerebral palsy at three years of age
- 1999 Central Association of Obstetricians and Gynecologists (CAOG) Young Investigators' Award. Hassan SS, Blackwell SC, Berry SM, Dang K, Treadwell M, **Romero R**, Wolfe H. Patients with a sonographical cervical length ≤ 15 mm have nearly a 50% risk of early spontaneous preterm delivery
- 2000 Honorary Fellowship, The Texas Association of Obstetricians and Gynecologists
- 2000 Central Association of Obstetricians and Gynecologists (CAOG) Certificate of Merit Award. Hassan SS, Maymon E, Tomlinson M, Berry SM, Blackwell SC, Treadwell MC, **Romero R**. Does cervical cerclage prevent preterm delivery in patients with a short cervix?
- 2000 ISUOG Service Award, International Society for Ultrasound in Obstetrics and Gynecology
- 2001 Wyeth Award, Society for Gynecologic Investigation. Molnar M, Rigo J, **Romero R**, Hertelendy F. Thrombin (T) upregulates Cyclooxygenase-2 (COX-2) expression and prostaglandin E₂ PGE₂ production in human myometrial cells (HMC)
- 2002 Research Excellence Award, Oral Plenary Session II, Society for Maternal-Fetal Medicine. Neale D, Demasio K, Illuzi J, **Romero R**, Mor G. Trophoblast viability: can it be used as a predictor of preeclampsia?
- 2002 SGI Presidents Presenter Award, Society for Gynecologic Investigation. Ferrand PE, Fujimoto T, Chennathukuzhhi V, Parry S, Macones G, Kuivaniemi H, **Romero R**, Strauss JF 3rd. Mutations in Nod2 and TLR4 in African Americans and risk of preterm premature rupture of membranes (PPROM)
- 2003 Research Excellence Award, Society for Maternal-Fetal Medicine. Neale D, Demasio K, Chaiworapongsa T, **Romero R**, Mor G. Trophoblast viability predicts preeclampsia as early as the first trimester
- 2003 Research Excellence Award, Society for Maternal-Fetal Medicine. Kim YM, Kim MR, Gomez R, Bujold E, Blackwell S, **Romero R**. Failure of physiologic transformation of the spiral arteries in patients with preterm labor and intact membranes

- 2003 Central Association of Obstetricians and Gynecologists (CAOG), Young Investigator's Award. Chaiworapongsa T, Espinoza J, Bujold E, Kim YM, Goncalves LF, Gomez R, Edwin S, **Romero R.** Evidence supporting a role for blockade of the vascular endothelial growth factor system in the pathophysiology of preeclampsia
- 2003 Erich Saling Prize. World Association of Perinatal Medicine. Osaka, Japan
- 2004 Ian Donald Gold Medal. International Society for Ultrasound in Obstetrics and Gynecology. Stockholm, Sweden
- 2005 March of Dimes Award for Best Research in Prematurity, Society for Maternal-Fetal Medicine. **Romero R,** Gomez R, Nien JK, Yoon BH, Luo R, Beecher C, Mazor M. Metabolomics in premature labor: A novel approach to identify patients at risk for preterm delivery
- 2005 Research Excellence Award, Society for Maternal-Fetal Medicine. Kim G, Kuivaniemi H, Tromp G, Kim Y, Kim M, Hong JS, Yoon B, Kim CJ, Mazor M, **Romero R.** Evidence for the participation of bone morphogenetic protein-2 in normal spontaneous labor at term
- 2005 Best Free Communication Award, 15th World Congress of Ultrasound in Obstetrics and Gynecology. Goncalves LF, Espinoza J, Kusanovic JP, Lee W, Nien JK, Santolaya-Forgas J, Mari G, Treadwell MC, **Romero R.** "Flip the coin": 360 degree visualization of fetal anatomical structures with xMatrix 4D real-time ultrasonography
- 2005 Best Free Communication Award, 15th World Congress of Ultrasound in Obstetrics and Gynecology. Goncalves LF, Espinoza J, Kusanovic JP, Mari G, Lee W, Soto E, Santolaya-Forgas J, Treadwell MC, **Romero R.** Early visualization of the fetal coronary arteries by four-dimensional ultrasonography with B-flow imaging and spatiotemporal image correlation (STIC)
- 2005 Pathfinders in Medicine, Wayne State University School of Medicine, Detroit, MI
- 2006 The Preterm Labour Congress Award for Excellence. Presented at the 3rd International Preterm Labour Congress, Montreux, Switzerland
- 2007 Research Excellence Award, Society for Maternal-Fetal Medicine. Pineles B, **Romero R,** Montenegro D, Tarca A, Han YM, Kim YM, Kusanovic JP, Mittal P, Hassan S, Espinoza J, Kim CJ. Evidence for a stereotypic difference in post-transcriptional regulation of placental gene expression in preeclampsia and SGA: an explanation for the two different phenotypes?
- 2007 First Candle, Windflower Research Honoree for contributions in research to infant health and survival. New York, NY
- 2008 Elected to the Academy of Scholars of Wayne State University, Detroit, MI
- 2008 Best Oral Presentation (Opening Plenary Session) 18th World Congress on Ultrasound in Obstetrics and Gynecology. Hamill N, **Romero R,** Myers SA, Kusanovic JP, Mittal P, Carletti A, Chaiworapongsa T, Vaisbuch E, Espinoza J, Gotsch F, Lee W, Goncalves L, Hassan S. Fetal cardiac output determination by four-dimensional fetal echocardiography using Spatiotemporal Image Correlation (STIC) and VOCALTM.
- 2008 Jacqueline and Marshall Lindheimer Award, International Society for the Study of Hypertension in Pregnancy. Gotsch F, Kim YM, Kim CJ, Edwin S, Hotra J, Tarca A, Chaiworapongsa T, Kusanovic JP, Mor G, Redman CWG, **Romero R.** A link between inflammation/infection and anti-angiogenic state in preeclampsia: inflammatory mediators mimic effect of hypoxia on trophoblast by increasing sFlt-1 and decreasing placental growth factor production
- 2008 Frederick P. Zuspan Award, International Society for the Study of Hypertension in Pregnancy. Kusanovic JP, Erez O, Gotsch F, Chaiworapongsa T, Mazaki-Tovi S, Vaisbuch E, Gomez R, Hassan S, **Romero R.** Maternal plasma concentrations of placental growth factor, soluble Flt1 and soluble endoglin in early pregnancy and the second trimester in the identification of patients destined to develop preterm preeclampsia
- 2008 Donald F. Richardson Memorial Prize Paper Award, American College of Obstetricians and Gynecologists (ACOG) District V meeting. Imudia AN, Kilburn B, Yelian FD, Diamond MP, **Romero R,** Armant DR. Retrieval of trophoblast cells from the cervical canal as a platform for prediction of abnormal pregnancy

- 2009 Award “Jose Maria Carrera” Sociedad Iberoamericana de Diagnóstico y Tratamiento Prenatal (SIADTP) for lifetime contributions to prenatal diagnosis and therapy. Miami, FL
- 2010 March of Dimes Award for Best Research in Prematurity, Society of Maternal-Fetal Medicine. **Romero R**, Velez D, Mazaki-Tovi M, Gomez R, Behnke E, Chaiworapongsa T, Anant MK, Salisbury BA, Carr J, Lee MS, Vovis GF, Kim CJ, Tromp G, Menon R, Williams S. Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor with intact membranes
- 2010 William Lily Medal for Contributions to Prenatal Diagnosis and Therapy. The Fetus as a Patient International Society (to be presented at the Fetus as a Patient International Congress, San Diego, CA, April 2010)
- 2010 March of Dimes Award for Contributions to Prematurity (to be presented at the Annual Meeting, American College of Obstetricians and Gynecologists, San Francisco, CA, May, 2010)
- 2010 Life achievement award for contributions to Reproductive Immunology, American Society for Reproductive Immunology (ASRI), (to be presented at the Annual Meeting of ASRI, Pittsburgh, PA, April, 2010; Blackwell Munksgaard Award in Reproductive Immunology)

HONORARY DEGREES:

- 2004 Doctorate *Honoris Causa*, Universidad Catolica de Chile, Santiago, Chile
- 2004 Doctorate *Honoris Causa*, National University of San Marcos, Lima, Peru
- 2004 Doctorate *Honoris Causa*, Universidad Nacional de San Antonio Abad del Cusco, Cusco, Peru
- 2007 Doctorate *Honoris Causa*, University del Zulia, Maracaibo, Venezuela
- 2007 Doctorate *Honoris Causa*, Semmelweis University, Budapest, Hungary
- 2009 Doctorate *Honoris Causa*, University of Athens, Greece

SPECIAL RECOGNITION:

- 2010 Roberto Romero Society for Obstetrics and Perinatal Medicine; established by former Trainees and Colleagues, Chicago, IL February 4, 2010

MAJOR PROFESSIONAL SOCIETIES:

American Fertility Society (former)
 Venezuelan College of Physicians (former)
 New Haven Obstetric Society (former)
 Fellow, American College of Obstetricians and Gynecologists
 American Institute of Ultrasound in Medicine
 Society for Maternal-Fetal Medicine
 Society for Gynecologic Investigation
 Central Association of Obstetricians and Gynecologists
 International Society of Ultrasound in Obstetrics and Gynecology
 Fetus as a Patient Society
 World Association of Perinatal Medicine
 Fellow, International Academy of Perinatal Medicine
 Member, Institute of Medicine/National Academies (elected October 1, 2007)

JOURNAL/EDITORIAL ACTIVITY:

Associate Editor, American Journal of Obstetrics and Gynecology
Associate Editor, Journal of Maternal Fetal and Neonatal Medicine
Associate Editor, Journal of Perinatal Medicine
Editorial Board, Journal of Women's Imaging
Editorial Board, Journal of Ultrasound in Medicine
Editor, Journal of Maternal-Fetal and Neonatal Medicine (formerly Prenatal and Neonatal Medicine)
Editorial Board, Reproductive Sciences (formerly Journal of the Society for Gynecologic Investigation)
Founding Editor, The Fetus
Editor, Ultrasound in Obstetrics and Gynecology

AD-HOC REVIEWER:

American Institute of Ultrasound in Medicine, Education and Research Fund
American Journal of Epidemiology
American Journal of Obstetrics and Gynecology
American Journal of Perinatology
American Journal of Reproductive Immunology
British Journal of Obstetrics and Gynecology
European Journal of Obstetrics & Gynecology and Reproductive Biology
Endocrinology
Fertility and Sterility
Fetal Diagnosis and Therapy
Hormone and Metabolic Research
Human Genetics
Human Reproduction
International Journal of Radiation Biology
Journal of the American Medical Association
Journal of Clinical Endocrinology and Metabolism
Journal of Clinical Pathology
Journal of Immunology
Journal of Maternal-Fetal and Neonatal Medicine
Journal of Neuroscience Research
Journal of Pathology
Journal of Perinatology
Journal of Perinatal Medicine
Journal of Proteome Research
Journal of Reproductive Immunology
Journal of Ultrasound in Medicine
The Lancet
March of Dimes
Mediators of Inflammation
New England Journal of Medicine
Obstetrics and Gynecology
Obstetrics and Gynecology International
Prenatal Diagnosis
Public Library of Science Medicine
Public Library of Science Medicine ONE

Paediatric and Perinatal Epidemiology
Pediatric Research
Proteomics – Clinical Applications
Reproductive Sciences

NATIONAL AND INTERNATIONAL BOARDS AND COMMITTEES:

Maternal-Fetal Medicine Units Network, National Institutes of Health, Steering Committee, (P.I., Yale University, 1987-1992)

American Institute of Ultrasound in Medicine, Vice-Chairman, International Relations Committee

American Institute of Ultrasound in Medicine, Chairman, International Relations Committee

Society of Perinatal Obstetricians, Board of Directors (1993 – 1996)

International Society of Ultrasound in Obstetrics and Gynecology, Board of Directors, London, United Kingdom (1996)

Society of Perinatal Obstetricians, Member of the Standard Committee

Central Association of Obstetricians and Gynecologists, Site Selection Committee (2001)

Society of Maternal-Fetal Medicine, Vice Chair, Preterm Labor Scientific Forum (2002 – 2003)

World Association of Perinatal Medicine, Board of Directors (2003 – Present)

United Cerebral Palsy Foundation, Scientific Advisory Board, Washington D.C. (2003 – Present)

International Academy of Perinatal Medicine, Fellow. Presented with the Graham Liggins Medal for contributions to the study of parturition (Founded at the Royal Academy of Medicine of Catalonia, Spain). (2005 –Present)

Society of Maternal-Fetal Medicine, Chair, Preterm Labor Scientific Forum (2007 – 2009)

World Association of Perinatal Medicine, Chair of Scientific Committee (2008)

Oregon National Primate Research Center, Scientific Advisory Board Member (2008 – Present)

Institute of Medicine (IOM), Maternal and Child Health and Human Development Interest Group, Co-Chair, Planning Committee (2008 and 2009)

World Health Organization – Consultant to the Division of Reproductive Health, Geneva, Switzerland (2008 – Present)

Fetus as a Patient Society – Member, Board of Directors (2008 – Present)

Preeclampsia Foundation, Medical Board Member (2009 – Present)

Advisory Board, National Standard for Fetal Growth, NICHD, Chair (2009 – Present)

Steering Committee, National Standard for Fetal Growth, NICHD, Member (2009 – Present)

STATE AND LOCAL BOARDS AND COMMITTEES:

Chairman, Scientific Program, New Haven Obstetrical and Gynecological Society, New Haven, Connecticut (former)

Prenatal Care Committee of the Special Commission on Infant Health, New Haven Foundation, New Haven, Connecticut (former)

Infant Mortality Committee, New Haven Foundation, New Haven, Connecticut (former)

HOSPITAL AND ACADEMIC BOARDS AND COMMITTEES:

Computer and Information Committee, Yale-New Haven Hospital (former)

Chairman, Thesis Committee, Department of Obstetrics and Gynecology, Yale University School of Medicine (former)

Fetal Therapy Board, Department of Obstetrics and Gynecology, Hutzel Hospital/Wayne State University (former)

Chair, Search Committee for the Branch Chief of the Reproductive Endocrinology Branch in the Division of Intramural Research of NICHD (2005)

Search Committee for the Chair of Obstetrics and Gynecology, Wayne State University School of Medicine (2009 – 2010)

THESIS/DISSERTATION (ADVISOR):

- 1983 Augusta Roth, M.D. - Maternal plasma 6-keto prostaglandin F1 alpha in preeclampsia. MD Thesis – Yale University
- 1984 Emilio Juncosa, M.D. - Management of premature rupture of membranes. MD Thesis - Yale University
- 1984 Susan Tredwell, M.D. - Management of the second stage of labor. MD Thesis – Yale University
- 1985 Javier Vizoso, M.D. - Liver dysfunction in preeclampsia and its effect on maternal and fetal outcome. MD Thesis – Yale University
- 1986 Charles J. Lockwood, M.D. – The prevalence and biologic significance of lupus anticoagulant and anticardiolipin antibodies in a general obstetric population. Maternal-Fetal Medicine Fellowship Thesis – Yale University

- 1986 Jane Mathisen, M.D. - Ultrasound for prenatal diagnosis of neural tube defects. MD Thesis – Yale University
- 1986 Ilena Norton, M.D. - Correlation between placental pathology, Doppler wave form analysis of uterine circulation and indices of activation of the hemostatic system. MD Thesis – Yale University
- 1986 Maxine Spicer, M.D. The value of laparoscopy in ectopic pregnancies. MD Thesis – Yale University
- 1990 Jonathan T. Foster, M.D. - Effect of bacterial products on the biosynthesis of PGE2 by human amnion cells. MD Thesis – Yale University
- 2000 Sonia Hassan, M.D. - Patients with an ultrasonographic cervical length \leq or = 15 mm have nearly a 50% risk of early spontaneous preterm delivery. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2000 David Seubert, M.D. – A study of the relationship between placental growth factor and gestational age, parturition, rupture of membranes and intrauterine infection. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2001 Nihal Naccasha, M.D. – Phenotypic and metabolic characteristics of monocytes and granulocytes in normal pregnancy and maternal infection. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2003 Jerry Refuerzo, M.D. – Evidence of intra-amniotic inflammation is present in one-third of patients with a fetal demise. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2003 Sean Blackwell, M.D. - Unexplained fetal death is associated with changes in the adaptive limb of the maternal immune response consistent with prior antigenic exposure. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2003 Samuel S. Edwin, Ph.D. - Dissertation “Matrix Metalloproteinases in pregnancy and parturition.” Advisor
- 2004 Emmanuel Bujold, M.D. - Proteomic profiling of premature labor: a method to identify clinical biomarkers and mechanisms of disease. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2007 Pooja Mittal, M.D. - Objective evaluation of sylvian fissure development by multiplanar three-dimensional ultrasonography. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2007 Lara Friel, M.D., Ph.D. – The calcium binding protein, S100B, is increased in the amniotic fluid of women with intra-amniotic infection/inflammation and preterm labor with intact or ruptured membranes. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2008 Neil Hamill, M.D. – Fetal cardiac output determination by four-dimensional fetal echocardiography using spatiotemporal image correlation (STIC) and VOCAL. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University

- 2009 Tinnakorn Chaiworapongsa, M.D. - A subset of patients destined to develop spontaneous preterm labor has an abnormal angiogenic/anti-angiogenic profile in maternal plasma: evidence in support of pathophysiologic heterogeneity of preterm labor derived from a longitudinal study. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University
- 2010 Chia-Ling Nhang-Chang, M.D. - Identification of signature pathways at the site of rupture in chorionic membranes in spontaneous labor at term. Maternal-Fetal Medicine Fellowship Thesis – Wayne State University

GRANT SUPPORT AND FUNDING:

- 12/1/86 - 11/30/91 National Institutes of Health, No. 5 K11 HD000728: Interleukin-1 in Human Pregnancy. Principal Investigator
- 4/1/86 - 3/31/91 National Institutes of Health, No. HD 21366 A1: Multicenter Network of Maternal-Fetal Medicine Units. Co-Principal Investigator
- 9/1/87 - 8/31/89 National Institutes of Health, No. 1R01 HD 21657-01A1: Treatment of Lupus Anticoagulant in Pregnancy. Co-Investigator
- 1988 Walter Scott Foundation: The Role of Cytokines in Premature Labor
- 1988 Frank Scharf Foundation: The Role of Cytokines in Premature Labor
- 1/1/89 - 12/31/91 March of Dimes Birth Defects Foundation: Sonographic Prenatal Diagnostic
- 4/1/91 - 3/31/96 National Institutes of Health, No. HD27917-02S1: Multicenter Network of Maternal-Fetal Medicine Units. Co-Principal Investigator
- 1/1/94 - 12/31/98 National Institutes of Health, Perinatology Research Branch, NICHD; \$58,000,000. Branch Chief
- 1999 – 2002 National Institutes of Health, Perinatology Research Branch, NICHD; \$21,000,000 (Intramural Budget). Branch Chief
- 10/2002 – 12/31/12 National Institutes of Health, Perinatology Research Branch; \$167,000,000. Branch Chief/Project Officer (Clinical Branch operating in Detroit, Michigan)

POST DOCTORAL FELLOWS/TRAINEES:

Yale University

Mohamed Emamian, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Jorge Andres Roberts, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Macor Wan, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Enrique Oyarzun, M.D., Yale University, Kellogg Foundation Fellowship
Marina Sirtori, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Cecilia Avila, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
A. Athanasiadis, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
S. Hanaoka, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Jose Nores, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Carlos Jimenez, M.D., Yale University, Pre Doctoral Fellow, Maternal-Fetal Medicine
Peter Baumann, M.D. Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Juan Martinez-Poyer, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Ruben Quintero, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Rogelio Gonzalez, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Francisco Brandt, M.D., Yale University, Post Doctoral Fellow, Maternal-Fetal Medicine
Heriberto Araneda, M.S., Yale University, Pre Doctoral Fellow, Maternal-Fetal Medicine
Marcello Ramirez, M.S., Yale University, Pre Doctoral Fellow, Maternal-Fetal Medicine

Wayne State University/Perinatology Research Branch/NICHD/NIH

Leonardo Acosta, M.D., Wayne State University, Post Doctoral Fellow
Mauricio Silva, M.D., Wayne State University, Post Doctoral Fellow
Mauricio Galasso, M.D., Wayne State University, Post Doctoral Fellow
Juan Martinez-Poyer, M.D., Wayne State University, Post Doctoral Fellow
Luis Goncalves, M.D., Wayne State University, Post Doctoral Fellow
Jorge Tolosa, M.D., NIH, Visiting Fellow
Waldo Sepulveda, M.D., Wayne State University, Post Doctoral Fellow
Ricardo Gomez, M.D., NIH, Visiting Fellow and Visiting Scientist
Fabio Ghezzi, M.D., NIH, Visiting Fellow
Jose Cohen, M.D., NIH, Visiting Fellow
Hernan Munoz, M.D., NIH, Visiting Fellow
Christina David, M.D., NIH, Visiting Fellow
Neil Athayde, M.D., NIH, Visiting Fellow
Percy Pacora, M.D., NIH, Visiting Fellow
Eli Maymon, M.D., NIH, Visiting Fellow
Maria-Teresa Gervasi, M.D., NIH, Research Fellow
Katherine Bianco, M.D., NIH IRTA Fellow
Yeon Mee Kim, M.D., NIH, Visiting Fellow
Giancarlo Conoscenti, M.D., NIH, Research Fellow
Ju Cheol Kim, M.D., NIH, Visiting Fellow
Kyo Hoon Park, M.D., NIH, Research Fellow
Jun Yoshimatsu, M.D., NIH, Visiting Fellow
Jimmy Espinoza, M.D., NIH, Visiting Fellow
Karim Kalache, M.D., NIH, Research Fellow
Mi Ran Kim, Ph.D., NIH, Visiting Fellow
Gi Jin Kim, Ph.D., NIH, Visiting Fellow

POST DOCTORAL FELLOWS/TRAINEES (Continued):

Joon-Seok Hong, M.D., NIH, Visiting Fellow
Jyh Kae Nien, M.D., NIH, Visiting Fellow
Sonia Hassan, M.D., Wayne State University, Clinical Fellow, Maternal-Fetal Medicine
Francesca Gotsch, M.D., NIH, Research Fellow
Edi Vaisbuch, M.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Juan Pedro Kusanovic, M.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Giovanna Ogge, M.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Laura Cruciani, M.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Frederica Tarquini, Ph.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Beth Pineles, M.S., NIH IRTA Fellow
Cerine Jeanty, B.S., NIH IRTA Fellow
Daniel Montenegro, B.S., NIH IRTA Fellow
Stephanie Vitale, B.S., NIH IRTA Fellow
Eleazar Soto, M.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Karina Richani, M.D., Wayne State University/ PRB/NICHD/NIH, Post Doctoral Fellow
Pooja Mittal, M.D., Wayne State University/ PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal Medicine
Lara Friel, M.D., Ph.D., Wayne State University/PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal Medicine
Shali Mazaki-Tovi, M.D., Wayne State University/PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal Medicine
Chia-Ling Nhan-Chang, M.D., Wayne State University/ PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal
Medicine
Neil Hamill, M.D., Wayne State University/PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal Medicine
Cristiano Jodicke, M.D., Wayne State University/PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal Medicine
Tinnakorn Chaiworapongsa, M.D., Wayne State University/PRB/NICHD/NIH, Post-Doctoral Fellow and Clinical
Fellow, Maternal-Fetal Medicine
Zeynep Alpay-Savasan, M.D., Wayne State University/PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal
Medicine
Ichchha Madan, M.D., Wayne State University/PRB/NICHD/NIH, Clinical Fellow, Maternal-Fetal Medicine

PROFESSORS ON SABBATICAL LEAVE:

Moshe Mazor, M.D., Ben Gurion University, Israel
Alistair Roberts, M.D., University of Auckland, New Zealand
Bo Yoon, M.D., Ph.D., Seoul National University, South Korea
Ronnie Lamont, M.D., Institute of Obstetrics and Gynecology, Royal Post Graduate Medical School, United
Kingdom
Niels Uldbjerg, M.D., Aarhus University Hospital, Denmark

PUBLICATIONS (Peer Reviewed Articles):

1. DeCherney AH, **Romero R**, Naftolin F. Surgical management of unruptured ectopic pregnancy. *Fertil Steril* 1981;35:21-24.
2. Kadar N, DeVore G, **Romero R**. Discriminatory hCG zone: its use in the sonographic evaluation for ectopic pregnancy. *Obstet Gynecol* 1981;58:156-61.
3. **Romero R**, Chervenak FA, DeVore G, Tortora M, Hobbins JC. Fetal head deformation and congenital torticollis associated with a uterine tumor. *Am J Obstet Gynecol* 1981;141:839-40.
4. Kadar N, Caldwell BV, **Romero R**. A method of screening for ectopic pregnancy and its indications. *Obstet Gynecol* 1981;58:162-6.
5. **Romero R**, Schwartz PE. Alpha-fetoprotein determinations in the management of endodermal sinus tumors and mixed germ cell tumors of the ovary. *Am J Obstet Gynecol* 1981;141:126-31.
6. Stewart AF, **Romero R**, Schwartz PE, Kohorn EI, Broadus AE. Hypercalcemia associated with gynecologic malignancies. *Cancer* 1982;49:2389-99.
7. Kadar N, **Romero R**. The timing of repeat ultrasound examination in the evaluation for ectopic pregnancy. *J Clin Ultrasound* 1982;10:211-214..
8. Kadar N, **Romero R**. Gray-scale findings in ectopic pregnancy resembling molar pregnancy and missed abortion. *J Clin Ultrasound* 1982;10:403-5.
9. DeCherney AH, **Romero R**, Polan ML. Ultrasound in reproductive endocrinology. *Fertil Steril* 1982;37:323-333.
10. **Romero R**, Chervenak FA, Coustan D, Berkowitz RL, Hobbins JC. Antenatal sonographic diagnosis of umbilical cord laceration. *Am J Obstet Gynecol* 1982;143:719-720.
11. **Romero R**, Chervenak FA, Coustan D, Berkowitz RL, Hobbins JC. Antenatal sonographic findings of extralobar pulmonary sequestration. *J Ultrasound Med* 1982;1:131-132.
12. **Romero R**, Chervenak FA, Berkowitz RL, Hobbins JC. Intra-uterine fetal tachypnea. *Am J Obstet Gynecol* 1982;144(3):356-7.
13. Chervenak FA, **Romero R**, Berkowitz RL, Mahoney MJ, Tortora M, Mayden K, Hobbins JC. Antenatal sonographic findings of osteogenesis imperfecta. *Am J Obstet Gynecol* 1982;143:228-30.
14. **Romero R**, Olsen TG, Chervenak FA, Hobbins JC. Pruritic urticarial papules and plaques of pregnancy. *J Reprod Med* 1983;28:615-9.
15. **Romero R**, Reece EA, Riely C, Hobbins JC. Arteriohepatic dysplasia in pregnancy. *Am J Obstet Gynecol* 1983;147:108-9.

16. Kadar N, DeCherney AH, **Romero R**. Receiver operating characteristic (ROC) curve analysis of the relative efficacy of single and serial chorionic gonadotropin determinations in the early diagnosis of ectopic pregnancy. *Fertil Steril* 1982;37:542-7.
17. Jeanty P, Rodesch F, **Romero R**, Venus I, Hobbins JC. How to improve your amniocentesis technique. *Am J Obstet Gynecol* 1983;146:593-6.
18. Kadar N, **Romero R**. Prognosis for future childbearing after midcavity instrumental deliveries in primigravidas. *Obstet Gynecol* 1983;62:166-70.
19. **Romero R**, Kadar N, Gonzales R, Govea F, Hobbins JC. Pharmacokinetics of intravenous theophylline in pregnant patients at term. *Am J Perinatol* 1983;1:31-5.
20. Kadar N, Taylor KJ, Rosenfield AT, **Romero R**. Combined use of serum HCG and sonography in the diagnosis of ectopic pregnancy. *Am J Roentgenol* 1983;141:609-15.
21. Chervenak FA, Berkowitz RL, **Romero R**, Tortora M, Mayden K, Duncan C, Mahoney MJ, Hobbins JC. The diagnosis of fetal hydrocephalus. *Am J Obstet Gynecol* 1983;147:703-16.
22. Jeanty P, Chervenak FA, **Romero R**, Michiels M, Hobbins JC. The sylvian fissure: a commonly mislabeled cranial landmark. *J Ultrasound Med* 1984;3:15-8.
23. Reece EA, **Romero R**, Clyne LP, Driz NS, Hobbins JC. Lupus-like anticoagulant in pregnancy. *Lancet* 1984;1:344-5.
24. Reece EA, Chervenak FA, **Romero R**, Hobbins JC. Magnesium sulfate in the management of acute intrapartum fetal distress. *Am J Obstet Gynecol* 1984;148:104-6.
25. Jeanty P, **Romero R**, Hobbins JC. Vascular anatomy of the fetus. *J Ultrasound Med* 1984;3:113-22.
26. Hobbins JC, **Romero R**, Grannum P, Berkowitz RL, Cullen M, Mahoney M. Antenatal diagnosis of renal anomalies with ultrasound. I. Obstructive uropathy. *Am J Obstet Gynecol* 1984;148:868-77.
27. Jeanty P, Cantraine F, Cousaert E, **Romero R**, Hobbins JC. The binocular distance: A new way to estimate fetal age. *J Ultrasound Med* 1984;3:241-3.
28. Jeanty P, Cantraine F, **Romero R**, Cousaert E, Hobbins JC. A longitudinal study of fetal weight growth. *J Ultrasound Med* 1984;3:321-8.
29. Reece EA, **Romero R**, Chervenak FA, Grannum PA, Hayslett JP, Hobbins JC. Chronic renal failure and severe diabetic vasculopathy in pregnancy. *Am J Perinatol* 1984;1:341-4.
30. Jeanty P, **Romero R**, Hobbins JC. Fetal pericardial fluid: a normal finding of the second half of gestation. *Am J Obstet Gynecol* 1984;149:529-32.
31. Jeanty P, **Romero R**, Cantraine F, Cousaert E, Hobbins JC. Fetal cardiac dimensions: a potential tool for the diagnosis of congenital heart defects. *J Ultrasound Med* 1984;3:359-64.

32. Chervenak FA, **Romero R**, Berkowitz RL, Scott D, Tortora M, Hobbins JC. Use of sonographic estimated fetal weight in the prediction of intrauterine growth retardation. *Am J Perinatol* 1984;1:298-301.
33. **Romero R**, Cullen M, Jeanty P, Grannum P, Reece EA, Venus I, Hobbins JC. The diagnosis of congenital renal anomalies with ultrasound. II. Infantile polycystic kidney disease. *Am J Obstet Gynecol* 1984;150:259-62.
34. **Romero R**, Jeanty P, Hobbins JC. Diagnostic ultrasound in the first trimester of pregnancy. *Clin Obstet Gynecol* 1984;27:286-313.
35. **Romero R**, Duffy TP, Berkowitz RL, Chang E, Hobbins JC. Prolongation of a preterm pregnancy complicated by death of a single twin in utero and disseminated intravascular coagulation: Effects of treatment with heparin. *N Engl J Med* 1984;310:772-4.
36. Chervenak FA, **Romero R**. Is there a role for fetal cephalocentesis in modern obstetrics? *Am J Perinatol* 1984;1:170-3.
37. **Romero R**, Cullen M, Grannum PA, Jeanty P, Reece EA, Venus I, Hobbins JC. Antenatal diagnosis of renal anomalies with ultrasound. III. Bilateral renal agenesis. *Am J Obstet Gynecol* 1985;151:38-43.
38. **Romero R**, Copel JA, Jeanty P, Reece EA, Reiss R, Hobbins JC. Sonographic monitoring to guide the performance of postabortal uterine curettage. *Am J Obstet Gynecol* 1985;151:51-3.
39. **Romero R**, Jeanty P, Reece EA, Grannum P, Bracken M, Berkowitz R, Hobbins JC. Sonographically monitored amniocentesis to decrease intraoperative complications. *Obstet Gynecol* 1985;65:426-30.
40. Reece EA, **Romero R**, Santulli T, Kleinman CS, Hobbins JC. *In utero* diagnosis and management of fetal tachypnea. *J Reprod Med* 1985;30:221-4.
41. **Romero R**, Copel JA, Kadar N, Jeanty P, DeCherney A, Hobbins JC. Value of culdocentesis in the diagnosis of ectopic pregnancy. *Obstet Gynecol* 1985;65:519-23.
42. Jeanty P, **Romero R**, Crelin E, Hobbins JC. The interhemispheric fissure: a commonly mislabeled cranial landmark. *Am J Perinatol* 1985;2:82-7.
43. Hobbins JC, Grannum PA, **Romero R**, Reece EA, Mahoney MJ. Percutaneous umbilical blood sampling. *Am J Obstet Gynecol* 1985;152:1-6.
44. Jeanty P, **Romero R**, Hobbins JC. Fetal limb volume: a new parameter to assess fetal growth and nutrition. *J Ultrasound Med* 1985;4:273-82.
45. Barnea ER, **Romero R**, Scott D, Hobbins JC. The value of biparietal diameter and abdominal perimeter in the diagnosis of growth retardation in twin gestations. *Am J Perinatol* 1985;2:221-2.
46. **Romero R**, Kadar N, Copel JA, Jeanty P, DeCherney AH, Hobbins JC. The effect of different human chorionic gonadotropin assay sensitivity on screening for ectopic pregnancy. *Am J Obstet Gynecol* 1985;153:72-4.

47. **Romero R**, Horgan JG, Kohorn EI, Kadar N, Taylor KJ. New criteria for the diagnosis of gestational trophoblastic disease. *Obstet Gynecol* 1985;66:553-8.
48. Jeanty P, **Romero R**, D'Alton M, Venus I, Hobbins JC. *In utero* sonographic detection of hand and foot deformities. *J Ultrasound Med* 1985;4:595-601.
49. **Romero R**, Kadar N, Jeanty P, Copel JA, Chervenak FA, DeCherney A, Hobbins JC. Diagnosis of ectopic pregnancy: value of the discriminatory human chorionic gonadotropin zone. *Obstet Gynecol* 1985;66:357-60.
50. **Romero R**, Reece EA, Duff GW, Coultrip L, Hobbins JC. Prenatal diagnosis of *Candida albicans* chorioamnionitis. *Am J Perinatol* 1985;2:121-2.
51. **Romero R**, Copel JA, Hobbins JC. Intra-uterine fetal demise and hemostatic failure: the fetal death syndrome. *Clin Obstet Gynecol* 1985;28:24-31.
52. Copel JA, Scioscia A, Grannum PA, **Romero R**, Reece EA, Hobbins JC. Percutaneous umbilical blood sampling in the management of Kell isoimmunization. *Obstet Gynecol* 1986;67:288-90.
53. D'Alton M, **Romero R**, Grannum PA, DePalma L, Jeanty P, Hobbins JC. Antenatal diagnosis of renal anomalies with ultrasound. IV. Bilateral multicystic kidney disease. *Am J Obstet Gynecol* 1986;154:532-7.
54. Pilu G, **Romero R**, Reece EA, Jeanty P, Hobbins JC. The prenatal diagnosis of Robin anomalad. *Am J Obstet Gynecol* 1986;154:630-2.
55. **Romero R**, Scioscia AL, Edberg S, Hobbins JC. Use of parenteral antibiotic therapy to eradicate bacterial colonization of amniotic fluid in premature rupture of membranes. *Obstet Gynecol* 1986;67:15S-17S.
56. Barnea ER, Oelsner G, Benveniste R, **Romero R**, DeCherney AH. Progesterone, estradiol, and alpha-human chorionic gonadotropin secretion in patients with ectopic pregnancy. *J Clin Endocrinol Metab* 1986;62:529-31.
57. **Romero R**, Kadar N, Copel JA, Jeanty P, DeCherney AH, Hobbins JC. The value of serial human chorionic gonadotropin testing as a diagnostic tool in ectopic pregnancy. *Am J Obstet Gynecol* 1986;155:392-4.
58. Pilu G, Reece EA, **Romero R**, Bovicelli L, Hobbins JC. Prenatal diagnosis of craniofacial malformations with ultrasonography. *Am J Obstet Gynecol* 1986;155:45-50.
59. **Romero R**, Emamian M, Quintero R, Wan M, Hobbins JC, Mitchell MD. Amniotic fluid prostaglandin levels and intra-amniotic infection. *Lancet* 1986;1:1380.
60. Pilu G, DePalma L, **Romero R**, Bovicelli L, Hobbins JC. The fetal subarachnoid cisterns: an ultrasound study with report of a case of congenital communicating hydrocephalus. *J Ultrasound Med* 1986;5:365-72.
61. Yarkoni S, Reece EA, Wan M, Holford T, **Romero R**, Hobbins JC. Intrapartum fetal weight estimation: a comparison of three formulae. *J Ultrasound Med* 1986;5:707-10.

62. Lockwood CJ, Reece EA, **Romero R**, Hobbins JC. Anti-phospholipid antibody and pregnancy wastage. *Lancet* 1986;2:742-3.
63. Jeanty P, **Romero R**, Hobbins JC. Facial anatomy of the fetus. *J Ultrasound Med* 1986;5:607-16.
64. Jeanty P, D'Alton M, **Romero R**, Hobbins JC. Perineal scanning. *Am J Perinatol* 1986;3:289-94.
65. Pilu G, **Romero R**, DePalma L, Rizzo N, Jeanty P, Copel JA, Bovicelli L, Hobbins JC. Antenatal diagnosis and obstetric management of Dandy-Walker syndrome. *J Reprod Med* 1986;31:1017-22.
66. Pilu G, **Romero R**, Jeanty P, Bovicelli L, Hobbins JC. Criteria for the prenatal diagnosis of holoprosencephaly. *Am J Perinatol* 1987;4:41-9.
67. Pilu G, **Romero R**, DePalma L, Jeanty P, Burdine C, Hobbins JC. Ultrasound investigation of the posterior fossa in the fetus. *Am J Perinatol* 1987;5:155-9.
68. Riely CA, Latham PS, **Romero R**, Duffy TP. Acute fatty liver of pregnancy: A reassessment based on observations in nine patients. *Ann Int Med* 1987;106:703-6.
69. Kadar N, **Romero R**. Observations on the log human chorionic gonadotropin-time relationship in early pregnancy and its practical implications. *Am. J Obstet Gynecol* 1987;157:73-8.
70. **Romero R**, Kadar N, Hobbins JC, Duff GW. Infection and labor: the detection of endotoxin in amniotic fluid. *Am J Obstet Gynecol* 1987;157:815-9.
71. **Romero R**, Emamian M, Wan M, Grzyboski C, Hobbins JC, Mitchell MD. Increased concentrations of arachidonic acid lipoxygenase metabolites in amniotic fluid during parturition. *Obstet Gynecol* 1987;70:849-51.
72. **Romero R**, Lafreniere D, Duff GW, Kadar N, Durum S, Hobbins JC. Failure of endotoxin to cross the chorioamniotic membranes *in vitro*. *Am J Perinatol* 1987;4:360-2.
73. **Romero R**, Kadar N, Lafreniere D, Durum S, Hobbins JC, Duff GW. Do blood and meconium affect the detection of endotoxin in the amniotic fluid with the limulus amoebocyte gel clot assay? *Am J Perinatol* 1987;4:356-9.
74. **Romero R**, Lafreniere D, Hobbins JC, Mitchell MD. A product from human decidua inhibits prostaglandin production by human amnion. *Prostaglandins Leukotrienes Med* 1987;30:29-36.
75. **Romero R**, Quintero R, Emamian M, Wan M, Grzyboski C, Hobbins JC, Mitchell MD. Arachidonate lipoxygenase metabolites in amniotic fluid of women with intra-amniotic infection and preterm labor. *Am J Obstet Gynecol* 1987;157:1454-60.
76. **Romero R**, Emamian M, Wan M, Quintero R, Hobbins JC, Mitchell MD. Prostaglandin concentrations in amniotic fluid of women with intra-amniotic infection and preterm labor. *Am J Obstet Gynecol* 1987;157:1461-7.
77. **Romero R**, Snyder E, Scott D, Oyarzun E, Hobbins JC, Duffy, TP. Beta thromboglobulin during normal pregnancy, labor, and puerperium. *Am J Perinatol* 1988;5:109-12.

78. **Romero R**, Emamian M, Wan M, Emamian M, Wan M, Yarkoni S, McCormack W, Mazor M, Hobbins JC. The value of the leukocyte esterase test in diagnosing intra-amniotic infection. *Am J Perinatol* 1988;5:64-9.
79. **Romero R**, Vizoso J, Emamian M, Duffy T, Riely C, Halford T, Oyarzun E, Naftolin F, Hobbins JC. Clinical significance of liver dysfunction in pregnancy-induced hypertension. *Am J Perinatol* 1988;5:146-51.
80. **Romero R**, Mazor M. Infection and preterm labor. *Clin Obstet Gynecol* 1988;31:553-84.
81. **Romero R**, Ghidini A, Eswara MS, Seashore MR, Hobbins JC. Prenatal findings in a case of spondylocostal dysplasia type I (Jarcho-Levin syndrome). *Obstet Gynecol* 1988;71:988-91.
82. **Romero R**, Hobbins JC, Mitchell MD. Endotoxin stimulates prostaglandin E2 production by human amnion. *Obstet Gynecol* 1988;71:227-8.
83. Lockwood C, Ghidini A, **Romero R**, Hobbins JC. Fetal bowel perforation simulating sacrococcygeal teratoma. *J Ultrasound Med* 1988;7:227-9.
84. **Romero R**, Ghidini A, Costigan K, Touloukian R, Hobbins JC. Prenatal diagnosis of duodenal atresia: does it make any difference? *Obstet Gynecol* 1988;71:739-41.
85. Pilu G, **Romero R**, Reece EA, Goldstin I, Hobbins JC, Bovicelli L. Subnormal cerebellum in fetuses with spina bifida. *Am J Obstet Gynecol* 1988;158:1052-6.
86. **Romero R**, Roslansky P, Oyarzun E, Wan M, Emamian M, Novitsky TJ, Gould MJ, Hobbins JC. Labor and infection. II. Bacterial endotoxin in amniotic fluid and its relationship to the onset of preterm labor. *Am J Obstet Gynecol* 1988; 158:1044-9.
87. Lockwood C, Ghidini A, **Romero R**. Amniotic band syndrome in monozygotic twins: prenatal diagnosis and pathogenesis. *Obstet Gynecol* 1988;71:1012-6.
88. **Romero R**, Emamian M, Quintero R, Wan M, Hobbins JC, Mazor M, Edberg S. The value and limitations of the Gram stain examination in the diagnosis of intra-amniotic infection. *Am J Obstet Gynecol* 1988;159:114-9.
89. **Romero R** Winn HN, Wan M, Hobbins JC. *Listeria monocytogens* chorioamnionitis and preterm labor. *Am J Perinatol* 1988;5:286-8.
90. **Romero R**, Scharf K, Mazor M, Emamian M, Hobbins JC, Ryan JL. The clinical value of gas-liquid chromatography in the detection of intra-amniotic microbial invasion. *Obstet Gynecol* 1988;72:44-50.
91. **Romero R**, Wu YK, Mazor M, Hobbins JC, Mitchell MD. Amniotic fluid 5-hydroxyeicosatetraenoic acid in preterm labor. *Prostaglandins* 1988;36:179-89.
92. Kadar N, **Romero R**. Further observations on serial human chorionic Gonadotropin patterns in ectopic pregnancies and spontaneous abortions. *Fertil Steril* 1988;50:367-70.

93. Goldstein I, **Romero R**, Merrill S, Wan M, O'Connor TX, Mazor M, Hobbins JC. Fetal body and breathing movements as predictors of intramniotic infection in preterm premature rupture of membranes. *Am J Obstet Gynecol* 1988;159:363-8.
94. **Romero R**, Scoccia B, Mazor M, Wu YK, Benveniste R. Evidence for a local change in the progesterone/estrogen ratio in human parturition at term. *Am J Obstet Gynecol* 1988;159:657-60.
95. **Romero R**, Wu YK, Mazor M, Hobbins JC, Mitchell MD. Increased amniotic fluid leukotriene C4 concentration in term human parturition. *Am J Obstet Gynecol* 1988;159:655-7.
96. **Romero R**, Quintero R, Oyarzun E, Uw YK, Sabo V, Mazor M, Hobbins JC. Intraamniotic infection and the onset of labor in preterm premature rupture of the membranes. *Am J Obstet Gynecol* 1988;159:661-6.
97. Ghidini A, Sirtori M, **Romero R**, Hobbins JC. Prenatal diagnosis of pentalogy of Cantrell. *J Ultrasound Med* 1988;7:567-72.
98. **Romero R**, Wu YK, Mazor M, Hobbins JC, Mitchell MD. Amniotic fluid prostaglandin E2 in preterm labor. *Prostaglandins Leukot Essent Fatty Acids* 1988;34:141-5.
99. Robert JA, **Romero R**, Costigan K. Amniotic fluid concentrations of fibronectin and intra-amniotic infection. *Am J Perinatol* 1988;5:26-8.
100. **Romero R**, Kadar N, Castro D, Jeanty P, Hobbins JC, DeCherney AH. The value of adnexal sonographic findings in the diagnosis of ectopic pregnancy. *Am J Obstet Gynecol* 1988;158:52-5.
101. **Romero R**, Rickles FR, Matthews E, Scott D, Dinan C, Duffy T. Fibrinopeptid A during pregnancy. *Am J Perinatol* 1988;5:70-3.
102. **Romero R**, Emamian M, Quintero R, Wan M, Scioscia AL, Hobbins JC, Edberg S. Diagnosis of intra-amniotic infection: the acridine orange stain. *Am J Perinatol* 1989;6:41-5.
103. **Romero R**, Ghidini A, Sirtori M, Cullen M, Fisher N, Hobbins JC. First trimester diagnosis of a partial mole with the combined use of ultrasound and chorionic villous sampling. *Am J Perinatol* 1989;6:314-5.
104. **Romero R**, Wu YK, Mazor M, Hobbins JC, Mitchell MD. Amniotic fluid concentration of 5-hydroxyeicosatetraenoic acid is increased in human parturition at term. *Prostaglandins Leukot Essent Fatty Acids* 1989;35:81-3.
105. **Romero R**, Mazor M, Oyarzun E, Sirtori M, Wu YK, Hobbins JC. Is genital colonization with *Mycoplasma hominis* or *Ureaplasma urealyticum* associated with prematurity/low birth weight? *Obstet Gynecol* 1989;73:532-6.
106. **Romero R**, Oyarzun E, Mazor M, Sirtori M, Hobbins JC, Bracken M. Meta-analysis of the relationship between asymptomatic bacteriuria and preterm delivery/low birth weight. *Obstet Gynecol* 1989;73:576-82.
107. **Romero R**, Mazor M, Lockwood CJ, Emamian M, Belanger KP, Hobbins JC, Duffy T. Clinical significance, prevalence and natural history of thrombocytopenia in pregnancy induced hypertension. *Am J Perinatol* 1989;6:32-8.

108. **Romero R**, Wu YK, Brody DT, Oyarzun E, Duff GW, Durum SK. Human decidua: a source of interleukin-1. *Obstet Gynecol* 1989;73:31-4.
109. **Romero R**, Mathisen JM, Ghidini A, Sirtori M, Hobbins JC. Accuracy of ultrasound in the prenatal diagnosis of spinal anomalies. *Am J Perinatol* 1989;6:320-3.
110. **Romero R**, Wu YK, Mazor M, Oyarzun E, Hobbins JC, Mitchell MD. Amniotic fluid arachidonate lipoxygenase metabolites in preterm labor. *Prostaglandins Leukot Essent Fatty Acids* 1989;36:69-75.
111. **Romero R**, Mazor M, Oyarzun E, Sirtori M, Wu YK, Hobbins JC. Is there an association between colonization with group B Streptococci and prematurity? *J Reprod Med* 1989;34:797-801.
112. Sirtori M, Ghidini A, **Romero R**, Hobbins JC. Prenatal diagnosis of sirenomelia. *J Ultrasound Med* 1989;8:83-8.
113. **Romero R**, Brody DT, Oyarzun E, Mazor M, Wu YK, Hobbins JC, Durum SK. Infection and Labor. III. Interleukin-1: a signal for the onset of parturition. *Am J Obstet Gynecol* 1989;160:1117-23.
114. **Romero R**, Manogue KR, Mitchell MD, Wu YK, Oyarzun E, Hobbins JC, Cerami A. Infection and labor. IV. Cachectin-tumor necrosis factor in the amniotic fluid of women with intra-amniotic infection and preterm labor. *Am J Obstet Gynecol* 1989;161:336-41.
115. **Romero R**, Wu YK, Oyarzun E, Hobbins JC, Mitchell MD. A potential role for epidermal growth factor/alpha-transforming growth factor in human parturition. *Eur J Obstet Gynecol* 1989;33:55-60.
116. Stiller RJ, **Romero R**, Pace S, Hobbins JC. Prenatal identification of a twin reversed arterial perfusion syndrome in the first trimester. *Am J Obstet Gynecol* 1989;160:1194-6.
117. **Romero R**, Mazor M, Wu YK, Avila C, Oyarzun E, Mitchell MD. Bacterial endotoxin and tumor necrosis factor stimulate prostaglandin production by human decidua. *Prostaglandins Leukot Essent Fatty Acids* 1989;37:183-6.
118. **Romero R**, Sirtori M, Oyarzun E, Avila C, Mazor M, Callahan R, Sabo V, Athanassiadis AP, Hobbins JC. Infection and labor. V. Prevalence, microbiology and clinical significance of intra-amniotic infection in women with preterm labor and intact membranes. *Am J Obstet Gynecol* 1989;161:817-24.
119. Reece EA, Cole SW, **Romero R**, Gabrielli S, O'Connor TZ, Hobbins JC. Ultrasonography versus amniotic fluid spectral analysis: Are they sensitive enough to predict neonatal complications associated with isoimmunization? *Obstet Gynecol* 1989;74:357-60.
120. Grannum P, Ghidini A, Scioscia AL, Copel JA, **Romero R**, Hobbins JC. The assessment of fetal renal reserve in low level obstructive uropathy. *Lancet* 1989;i:281-82.
121. Lockwood CJ, **Romero R**, Feinberg RF, Clyne LP, Coster B, Hobbins JC. The prevalence and biologic significance of lupus anticoagulant and anticardiolipin antibodies in a general obstetric population. *Am J Obstet Gynecol* 1989;161:369-73.
122. Lockwood CJ, Ghidini A, **Romero R**, Hobbins JC. Amniotic band syndrome: reevaluation of its pathogenesis. *Am J Obstet Gynecol* 1989;160:1030-3.

123. **Romero R**, Durum S, Dinarello CA, Oyarzun E, Hobbins JC, Mitchell MD. Interleukin-1 stimulates prostaglandin biosynthesis by human amnion. *Prostaglandins* 1989;37:13-22.
124. **Romero R**, Wu YK, Sirtori M, Oyarzun E, Mazor M, Hobbins JC, Mitchell MD. Amniotic fluid concentrations of prostaglandin F2 alpha, 13, 14-dihydro-15-keto-prostaglandin F2 alpha (PGFM) and 11-deoxy-13, 14-dihydro-15-keto-11, 16-cyclo-prostaglandin E2(PGEMM-LL) in preterm labor. *Prostaglandins* 1989;37:149-61.
125. **Romero R**, Sirtori M. The prenatal diagnosis of skeletal dysplasias. *Clin Diagn Ultrasound* 1989;25:163-202.
126. **Romero R**, Parvizi ST, Oyarzun E, Mazor M, Wu YK, Avila C, Athanassiadis AP, Murray MD. Amniotic fluid interleukin-1 in spontaneous labor at term. *J Reprod Med* 1990;35:235-8.
127. **Romero R**, Durum S, Duff GW, Mitchell MD. A monokine stimulates prostaglandin E₂ production by human amnion. *Prostaglandins Leukot Essent Fatty Acids* 1990;41:67-9.
128. Hoffman DR, **Romero R**, Johnston JM. Detection of platelet-activating factor in amniotic fluid of complicated pregnancies. *Am J Obstet Gynecol* 1990;162:525-8.
129. Cullen MT, Athanassiadis AP, **Romero R**. Prenatal diagnosis of anterior parietal encephalocele with transvaginal sonography. *Obstet Gynecol* 1990;75:489-91.
130. **Romero R**, Avila C, Santhanam U, Sehgal PB. Amniotic fluid interleukin-6 in preterm labor. Association with infection. *J Clin Invest* 1990;85:1392-400.
131. Winn HN, Stiller R, Grannum PA, Crane JC, Coster B, **Romero R**. Isolated fetal ascites: prenatal diagnosis and management. *Am J Perinatol* 1990;7:370-3.
132. Mitchell MD, Edwin S, **Romero R**. Prostaglandin biosynthesis by human decidual cells: Effects of inflammatory mediators. *Prostaglandins Leukot Essent Fatty Acids* 1990;41:35-8.
133. Rosen EM, Meromsky L, **Romero R**, Setter E, Goldberg I. Human placenta contains an epithelial scatter protein. *Biochem Biophys Res Commun* 1990;168:1082-8.
134. **Romero R**, Shamma F, Avila C, Jimenez C, Callahan R, Nores J, Mazor M, Brekus CA, Hobbins JC. Infection and labor. VI. Prevalence, microbiology, and clinical significance of intraamniotic infection in twin gestations with preterm labor. *Am J Obstet Gynecol* 1990;163:757-61.
135. **Romero R**, Hsu YC, Athanassiadis AP, Hagay Z, Avila C, Nores J, Roberts A, Mazor M, Hobbins JC. Preterm delivery: a risk factor for retained placenta. *Am J Obstet Gynecol* 1990;163:823-5.
136. **Romero R**, Jimenez C, Lohda AK, Nores J, Hanaoka S, Avila C, Callahan R, Mazor M, Hobbins JC, Diamond MP. Amniotic fluid glucose concentration: a rapid and simple method for the detection of intraamniotic infection in preterm labor. *Am J Obstet Gynecol* 1990;163:968-74.
137. Jeanty P, **Romero R**, Kepple D, Stoney D, Coggins T, Fleischer AC. Prenatal diagnoses in unilateral empty renal fossa. *J Ultrasound Med* 1990;9:651-4.

138. Mitchell MD, **Romero R**, Lepera R, Rittenhouse L, Edwin SS. Actions of endothelin-1 on prostaglandin production by gestational tissues. *Prostaglandins* 1990;40:627-35.
139. **Romero R**, Athanassiadis AP, Jeanty P. Fetal skeletal anomalies. *Radiol Clin North Am* 1990;28:75-99.
140. Ghidini A, **Romero R**, Eisen RN, Walker Smith GJ, Hobbins JC. Umbilical cord hemangioma. Prenatal identification and review of the literature. *J Ultrasound Med* 1990;9:297-300.
141. **Romero R**, Ghidini A, Mazor M, Behnke E. Microbial invasion of the amniotic cavity in premature rupture of membranes. *Clin Obstet Gynecol* 1991;34(4):769-78.
142. Ghidini A, Sirtori M, **Romero R**, Yarkoni S, Solomon L, Hobbins JC. Hepatosplenomegaly as the only prenatal finding in a fetus with pyruvate kinase deficiency anemia. *Am J Perinatol* 1991;8:44-6.
143. Santhanam U, Avila C, **Romero R**, Viguet H, Ida N, Sakurai S, Sehgal PB. Cytokines in normal and abnormal parturition: elevated amniotic fluid interleukin-6 levels in women with premature rupture of membranes associated with intrauterine infections. *Cytokines* 1991;3:155-63.
144. Mitchell MD, **Romero R**, Avila C, Foster JT, Edwin SS. Prostaglandin production by amnion and decidual cells in response to bacterial products. *Prostaglandins Leukot Essent Fatty Acids* 1991;42:167-69.
145. Roberts AB, Goldstein I, **Romero R**, Hobbins JC. Fetal breathing movements after preterm premature rupture of membranes. *Am J Obstet Gynecol* 1991;164:821-25.
146. Liechty KW, Koenig JM, Mitchell MD, **Romero R**, Christensen RD. Production of interleukin-6 by fetal and maternal cells in vivo during intraamniotic infection and in vitro after stimulation with interleukin-1. *Pediatr Res* 1991;29:1-4.
147. **Romero R**, Hanaoka S, Mazor M, Athanassiadis AP, Callahan R, Hsu YC, Avila C, Nores J, Jimenez C. Meconium-stained amniotic fluid: a risk factor for microbial invasion of the amniotic cavity. *Am J Obstet Gynecol* 1991;164:859-62.
148. **Romero R**, Mazor M, Manogue K, Oyarzun E, Cerami A. Human decidua: a source of cachectin-tumor necrosis factor. *Eur J Obstet Gynecol Reprod Biol* 1991;41:123-27.
149. Dowling DD, **Romero R**, Mitchell MD, Lundin-Schiller S. Isolation of multiple substances in amniotic fluid that regulate amnion prostaglandin E₂ production: the effects of gestational age and labor. *Prostaglandins Leukot Essent Fatty Acids* 1991;44:253-55.
150. **Romero R**, Ceska M, Avila C, Mazor M, Behnke E, Lindley I. Neutrophil attractant/activating peptide-1/interleukin-8 in term and preterm parturition. *Am J Obstet Gynecol* 1991;165:813-20.
151. **Romero R**, Mazor M, Tartakovsky B. Systemic administration of interleukin-1 induces preterm parturition in mice. *Am J Obstet Gynecol* 1991;165:969-71.
152. **Romero R**, Quintero R, Nores J, Avila C, Mazor M, Hanaoka S, Hagay Z, Merchant L, Hobbins JC. Amniotic fluid white blood cell count: a rapid and simple test to diagnose microbial invasion of the amniotic cavity and predict preterm delivery. *Am J Obstet Gynecol* 1991;165:821-30.

153. Fuchs AR, **Romero R**, Keefe D, Parra M, Oyarzun E, Behnke E. Oxytocin and human parturition: pulse frequency and duration increase during spontaneous labor in women. *Am J Obstet Gynecol* 1991;165:1515-23.
154. Roberts AB, Goldstein I, **Romero R**, Hobbins JC. Comparison of total fetal activity measurement with the biophysical profile in predicting intra-amniotic infection in preterm premature rupture of membranes. *Ultrasound Obstet Gynecol* 1991;1:36-9.
155. **Romero R**, Avila C, Brekus CA, Morotti R. The role of systemic and intrauterine infection in preterm parturition. *Ann N Y Acad Sci* 1991;622:355-75.
156. Chou J, Wang YN, Chang D, Chang JK, Avila C, **Romero R**. Big endothelin in plasma and amniotic fluid. *J Cardiovasc Pharmacol* 1991;17:S430-3.
157. Oyarzun E, Gomez R, **Romero R**, Bracken M. Premature rupture of membranes at preterm. Meta-analysis of the effect of steroids on the prevention of respiratory distress syndrome. *Rev Med Chil* 1991;119:388-95.
158. **Romero R**, Gomez R, Sepulveda W. The uterine cervix, ultrasound and prematurity. *Ultrasound Obstet Gynecol* 1992;2:385-88.
159. **Romero R**, Salafia C, Athanassiadis AP, Hanaoka S, Bracken M, Hobbins JC. The relationship between acute inflammatory lesions of the placenta and the microbiologic status of the amniotic cavity. *Am J Obstet Gynecol* 1992;166:1382-88.
160. **Romero R**, Mazor M, Morrotti R, Avila C, Oyarzun E, Insunza A, Parra M, Behnke E, Montiel F, Cassell GH. Infection and labor. VII Microbial invasion of the amniotic cavity in spontaneous rupture of membranes at term. *Am J Obstet Gynecol* 1992;166:129-33.
161. **Romero R**, Hagay Z, Nores J, Hobbins JC. Eradication of *Ureaplasma urealyticum* from the amniotic fluid with transplacental antibiotic treatment. *Am J Obstet Gynecol* 1992;166:618-20.
162. **Romero R**, Avila C, Edwin SS, Mitchell MD. Endothelin-1,2 is increased in the amniotic fluid of women with preterm labor and microbial invasion of the amniotic cavity. *Am J Obstet Gynecol* 1992;166:95-9.
163. **Romero R**, Mazor M, Avila C, Sepulveda W, Copeland D, Williams J. Tumor necrosis factor in preterm and term labor. *Am J Obstet Gynecol* 1992;166:1576-87.
164. **Romero R**, Mazor M, Brandt F, Sepulveda W, Avila C, Dinarello CA. Interleukin-1 α and interleukin-1 β in preterm and term human parturition. *Am J Reprod Immunol* 1992;27:117-23.
165. Gabrielli A, **Romero R**, Pilu G, Pavani A, Capelli M, Milano V, Bevini M, Bovicelli L. Accuracy of transvaginal ultrasound and serum hCG in the diagnosis of ectopic pregnancy. *Ultrasound Obstet Gynecol* 1992;2:110-15.
166. Abuhamad A, Otrakji C, **Romero R**, Yasin S, Sullivan M. Predictive value of amniotic fluid gram stain in postcesarean endomyometritis. *J Matern Fetal Neonatal Med Fetal Med* 1992;1:172-6.

167. Winn HN, **Romero R**, Roberts A, Liu H, Hobbins JC. Comparison of fetal lung maturation in preterm singleton and twin pregnancies. *Am J Perinatol* 1992;9:326-28.
168. **Romero R**, Sepulveda W, Mazor M, Brandt F, Cotton DB, Dinarello CA, Mitchell MD. The natural interleukin-1 receptor antagonist in term and preterm parturition. *Am J Obstet Gynecol* 1992;167:863-72.
169. **Romero R**, Gonzalez R, Sepulveda W, Brandt F, Ramirez M, Sorokin Y, Mazor M, Treadwell MC, Cotton DB. Infection and labor. VIII. Microbial invasion of the amniotic cavity in patients with suspected cervical incompetence: Prevalence and clinical significance. *Am J Obstet Gynecol* 1992;167:1086-91.
170. **Romero R**, Tartakovsky B. The interleukin-1 receptor antagonist prevents interleukin-1-induced preterm delivery in mice. *Am J Obstet Gynecol* 1992;167:1041-45.
171. Gibbs RS, **Romero R**, Hillier SL, Eschenbach DA, Sweet RL. A review of premature birth and subclinical infection. *Am J Obstet Gynecol* 1992;166:1515-44.
172. **Romero R**, Nores J, Hagay Z, Avila C, Hanaoka S, Sepulveda W and Cotton DB. Intra-amniotic infection with *Candida Tropicalis* in preterm labor. *J Matern Fetal Neonatal Med Fetal Med* 1992;1:231-33.
173. Bahado-Singh RO, **Romero R**, Vecchio M, Hobbins JC. Prenatal diagnosis of congenital hiatal hernia. *J Ultrasound Med* 1992;11:297-300.
174. Abuhamad AZ, **Romero R**, Shaffer WK, Hobbins JC. The value of Doppler flow analysis in the prenatal diagnosis of amniotic sheets. *J Ultrasound Med* 1992;11:623-24.
175. Nores JA, Rotmensch S, **Romero R** Avila C, Inati M, Hobbins JC. Atelosteogenesis type II: sonographic and radiological correlation. *Prenat Diagn* 1992;12:741-53.
176. Quintero RA, **Romero R**, Mahoney MJ, Vecchio M, Holden J, Hobbins JC. Fetal haemorrhagic lesions after chorionic villous sampling. *Lancet* 1992;339:193.
177. Mitchell MD, Edwin SS, Silver RM, **Romero R**. Potential agonist action of the interleukin-1 receptor antagonist protein: implications for treatment of women. *J Clin Endocrin and Metab* 1993; 76:1386-8.
178. Ghidini A, Sepulveda W, Lockwood CJ, **Romero R**. Complications of fetal blood sampling. *Am J Obstet Gynecol* 1993;168:1339-44.
179. **Romero R**, Baumann P, Gomez R, Salafia C, Rittenhouse L, Barberio D, Behnke E, Cotton D, Mitchell M. The relationship between spontaneous rupture of membranes, labor, and microbial invasion of the amniotic cavity and amniotic fluid concentrations of prostaglandins and thromboxane B₂ in term pregnancy. *Am J Obstet Gynecol* 1993;168:1654-68.
180. **Romero R**, Nores J, Mazor M, Sepulveda W, Oyarzun E, Parra M, Insunza A, Montiel F, Behnke E, Cassell GH. Microbial invasion of the amniotic cavity during term labor: Prevalence and clinical significance. *J Reprod Med* 1993;38:543-48.
181. Pryde PG, Bawle E, Brandt F, **Romero R**, Treadwell MC, Evans MI. Prenatal diagnosis of nonrhizomelic chondrodysplasia punctata (Conradi-Hunermann Syndrome). *Am J Med Genetics* 1993;47:426-31.

182. **Romero R**, Yoon BH, Mazor M, Gomez R, Gonzalez R, Diamond MP, Baumann P, Araneda H, Kenney JS, Cotton DB, Sehgal P. A comparative study of the diagnostic performance of amniotic fluid glucose, white blood cell count, interleukin-6 and gram stain in the detection of microbial invasion in patients with preterm premature rupture of membranes. *Am J Obstet Gynecol* 1993;169:839-51.
183. **Romero R**, Yoon BH, Mazor M, Gomez R, Diamond MP, Kenney JS, Ramirez M, Fidel PL, Sorokin Y, Cotton DB, Sehgal P. The diagnostic and prognostic value of amniotic fluid white blood cell count, glucose, interleukin-6 and gram stain in patients with preterm labor and intact membranes. *Am J Obstet Gynecol* 1993;169:805-16.
184. **Romero R**, Sibai B, Caritis S, Paul R, Depp R, Rosen M, Klebanoff M, Sabo V, Evans J, Thom E, Cefalo R, McNellis D. Antibiotic treatment of preterm labor with intact membranes: A multicenter, randomized, double blinded, placebo-controlled trial. *Am J Obstet Gynecol* 1993;169:764-74.
185. Molnar M, **Romero R**, Hertelendy F. Interleukin-1 and tumor necrosis factor stimulate arachidonic acid release and phospholipid metabolism in human myometrial cells. *Am J Obstet Gynecol* 1993;169:825-29.
186. Cherouny PH, Pankuch GA, **Romero R**, Botti JJ, Kuhn DC, Demers LM, Applebaum PC. Neutrophil attractant/activating peptide-1/interleukin-8 (NAP-1/IL-8): Association with histologic chorioamnionitis, preterm delivery, and bioactive amniotic fluid leukoattractants. *Am J Obstet Gynecol* 1993;169:1299-1303.
187. Sibai BM, Caritis S, Thom E, Klebanoff M, McNellis D, Rocco L, Paul RH, **Romero R**, Witter F, Rosen M, Depp R and NICHD Network of MFM Units. Prevention of preeclampsia with low-dose aspirin in healthy nulliparous women. *N Engl J Med* 1993;329:1213-18.
188. Treadwell MC, Sepulveda W, LeBlanc LL, **Romero R**. Prenatal diagnosis of fetal cutaneous hemangioma: A case report and review of the literature. *J Ultrasound Med* 1993;12:683-87.
189. Bulletti C, Prefetto RA, Bazzocchi G, **Romero R**, Mimmi P, Polli V, Lanfranchi GA, Morselli Labate AM, Flamigni C. Electromechanical activities of human uteri during extra-corporeal perfusion with ovarian steroids. *Human Reprod* 1993;8:1558-63.
190. Yoon BH, **Romero R**, Roh CR, Ager JW, Syn HC, Cotton D, Kim SW. Relationship between the fetal biophysical profile score, umbilical artery Doppler velocimetry and fetal blood acid-base status determined by cordocentesis. *Am J Obstet Gynecol* 1993;169:1586-94.
191. Blessed WB, Sepulveda W, **Romero R**, Berry SM, King ME, Cotton DB. Prenatal diagnosis of spontaneous rupture of the fetal bladder using color-Doppler ultrasound. *Am J Obstet Gynecol* 1993;169:1629-31.
192. Baumann P, **Romero R**, Berry S, Gomez R, McFarlin B, Araneda H, Cotton DB, Fidel P. Evidence of participation of the soluble tumor necrosis factor receptor (60 kD) in the host response to intra-uterine infection in preterm labor. *Am J Reprod Immunol* 1993;30:184-93.
193. **Romero R**, Yoon BH, Kenney JS, Gomez R, Archer LE, Allison AC, Sehgal PB. Amniotic fluid interleukin-6 determinations are of diagnostic and prognostic value in preterm labor. *Am J Reprod Immunol* 1993;30:167-83.

194. Hallak M, Berry SM, Madincea F, **Romero R**, Evans MI, Cotton DB. Fetal serum and amniotic fluid magnesium concentrations with maternal treatment. *Obstet Gynecol* 1993;81:185-88.
195. Sepulveda W, Berry SM, **Romero R**, King ME, Johnson MP, Cotton DB. Prenatal diagnosis of congenital megalourethra. *J Ultrasound Med* 1993;12:761-69.
196. Hertelendy F, **Romero R**, Molnar M, Todd H, Baldassare JJ. Cytokine-initiated signal transduction in human myometrial cells. *Am J Reprod Immunol* 1993;30:49-57.
197. Seifer D, **Romero R**, Berlinsky D, Haning R. Absence of cytokine production by preimplantation human embryos. *Am J Reprod Immunol* 1993;30:105-7.
198. **Romero R**. Routine obstetric ultrasound. *Ultrasound Obstet Gynecol* 1993;3:303-7.
199. Quintero RA, **Romero R**, Mahoney MJ, Abuhamad A, Vecchio M, Holden J, Hobbins JC. Embryoscopic demonstration of hemorrhagic lesions on the human embryo after placental trauma. *Am J Obstet Gynecol* 1993;168:756-9.
200. Quintero RA, Reich H, Puder K, Bardiceff M, Evans M, Cotton D, **Romero R**. Brief report: Umbilical-cord ligation of an acardiac twin by fetoscopy at 19 weeks of gestation. *N Engl J Med* 1994;330:469-71.
201. **Romero R**, Gonzalez R, Baumann P, Behnke E, Rittenhouse L, Barberio D, Cotton DB, Mitchell MD. Topographic differences in amniotic fluid concentrations of prostanoids in women in spontaneous labor at term. *Prostaglandins Leukot Essent Fatty Acids* 1994;50:97-104.
202. **Romero R**, Gomez R, Salafia C, Galasso M, Cotton D, Behnke E. Is oligohydramnios a risk factor for infection in term premature rupture of membranes? *Ultrasound Obstet Gynecol* 1994;4:95-100.
203. Caritis SN, McNellis D, **Romero R**, Sibai B, Paul RH, Depp R, Witter F, Hobbins JC, Cefalo RC, Yaffe S, Klebanoff M and NICHD Network of MFM Units. A clinical trial of induction versus expectant management in postterm pregnancy. *Am J Obstet Gynecol* 1994;170:716-23.
204. Fidel PL, **Romero R**, Wolf N, Cutright J, Ramirez M, Araneda H, Cotton DB. Systemic and local cytokine profiles in endotoxin-induced preterm parturition in mice. *Am J Obstet Gynecol* 1994;170:1467-75.
205. Fidel PL, **Romero R**, Ramirez M, Cutright J, Edwin SS, LaMarche S, Cotton DB, Mitchell MD. Interleukin-1 receptor antagonist (IL-1ra) production by human amnion, chorion, and decidua. *Am J Reprod Immunol* 1994;32:1-7.
206. Schiff E, Friedman SA, Baumann P, Sibai BM, **Romero R**. Tumor necrosis factor- in pregnancies associated with preeclampsia or small-for-gestational-age newborns. *Am J Obstet Gynecol* 1994;170:1224-9.
207. Sepulveda W, **Romero R**, Pryde P, Wolfe H, Addis J, Cotton D. Prenatal diagnosis of sirenomelus with color Doppler ultrasonography. *Am J Obstet Gynecol* 1994;170:1377-9.
208. Sepulveda W, Pryde PG, Greb AE, **Romero R**, Evans MI. Prenatal diagnosis of umbilical cord pseudocyst. *Ultrasound Obstet Gynecol* 1994;4:147-5.

209. **Romero R**, Baumann P, Gonzalez R, Gomez R, Rittenhouse L, Behnke E, Mitchell M. Amniotic fluid prostanoid concentrations increase early during the course of spontaneous labor at term. *Am J Obstet Gynecol* 1994;171:1613-20.
210. Lee W, Kirk JS, Pryde P, **Romero R**, Qureshi F. Atypical presentation of fetal arteriovenous malformation. *J Ultrasound Med* 1994;13:645-7.
211. Waring PM, **Romero R**, Laham N, Gomez R, Rice GE. Leukemia inhibitory factor: Association with intra-amniotic infection. *Am J Obstet Gynecol* 1994;171:1335-41.
212. Sepulveda W, **Romero R**, Qureshi F, Greb AE, Cotton DB. Prenatal diagnosis of enterolithiasis: A sign of fetal large bowel obstruction. *J Ultrasound Med* 1994;13:581-5.
213. Gomez R, Galasso M, **Romero R**, Mazor M, Sorokin Y, Goncalves L, Treadwell M, Cotton DB. Ultrasonographic examination of the uterine cervix is a better predictor of the likelihood of premature delivery than cervical digital examination in patients with preterm labor and intact membranes. *Am J Obstet Gynecol* 1994;171:956-64.
214. **Romero R**, Gomez R, Galasso M, Mazor M, Berry S, Quintero R, Sorokin Y, Araneda H, Cotton DB. The natural interleukin-1 receptor antagonist in the fetal, maternal and amniotic fluid compartments: The effect of gestational age, fetal gender and intra-uterine infection. *Am J Obstet Gynecol* 1994;171:912-21.
215. Gomez R, **Romero R**, Galasso M, Behnke E, Insunza A, Cotton DB. The value of amniotic fluid interleukin-6, white blood cell count and gram stain in the detection of microbial invasion of the amniotic cavity in patients at term. *Am J Reprod Immunol* 1994;32:200-10.
216. **Romero R**, Gomez R, Galasso M, Munoz H, Acosta L, Yoon BH, Svinarich DM, Cotton DB. Macrophage inflammatory protein-1 in term and preterm parturition: Effect of microbial invasion of the amniotic cavity. *Am J Reprod Immunol* 1994;32:108-13.
217. Mazor M, Chaim W, Horowitz S, **Romero R**, Glezerman M. The biomolecular mechanisms of preterm labor in women with intra-uterine infection. *Isr J Med Sci* 1994;30:317-22.
218. Dombrowski MP, Bottoms SF, Saleh AA, Hurd WW, **Romero R**. Third stage of labor: analysis of duration and clinical practice. *Am J Obstet Gynecol* 1995;172:1279-84.
219. Quintero RA, Hume R, Smith C, Johnson MP, **Romero R**. Percutaneous fetal cystoscopy and endoscopic fulguration of posterior urethral valves. *Am J Obstet Gynecol* 1995;172:206-9.
220. Berry SM, Puder KS, Bottoms SF, Uckele JE, **Romero R**, Cotton DB. Comparison of intra-uterine hematologic and biochemical values between twin pairs with and without stuck twin syndrome. *Am J Obstet Gynecol* 1995;172:1403-10.
221. Munoz H, Sherer DM, **Romero R**, Sanchez J, Hernandez I, Diaz C. Prenatal sonographic findings of a large cardiac fibroma. *J Ultrasound Med* 1995;14:479-81.
222. Ghezzi F, Ghidini A, **Romero R**, Gomez R, Galasso M, Cohen J, Treadwell MC. Doppler velocimetry of the fetal middle cerebral artery in patients with preterm labor and intact membranes. *J Ultrasound Med* 1995;14:361-6.

223. Horowitz S, Mazor M, **Romero R**, Horiwitz J, Glezerman M. Infection of the amniotic cavity with *Ureaplasma urealyticum* in the midtrimester of pregnancy. *J Reprod Med* 1995; 40:375-9.
224. Jarvis JN, Deng L, Berry SM, **Romero R**, Moore H. Fetal cytokine expression in utero detected by reverse transcriptase polymerase chain reaction. *Ped Research* 1995;37:450-4.
225. Petraglia F, Aguzzoli L, Florio P, Baumann P, Genazzani AD, Di Carlo C, **Romero R**. Maternal plasma and placental immunoreactive corticotrophin-releasing factor concentrations in infection-associated term and preterm delivery. *Placenta* 1995;16:157-64.
226. Quintero RA, Johnson MP, Arias F, Cortez K, Carreno C, **Romero R**, Evans MI. In utero sonographic diagnosis of vesicoureteral reflux by percutaneous vesicoinfusion. *Ultrasound Obstet Gynecol* 1995;6:386-9.
227. Petraglia F, DeVita D, Gallinelli A, Aguzzoli L, Gennazzani AR, **Romero R**, Woodruff TK. Abnormal concentration of maternal serum activin-A in gestational diseases. *J Clin Endocrinol Metab* 1995;80:558-61.
228. Puder KS, Sherer DM, Ross RD, Silva M, Ross R, King ME, Treadwell MC, **Romero R**. Prenatal ultrasonographic diagnosis of ductus arteriosus aneurysm with spontaneous neonatal closure. *Ultrasound Obstet Gynecol* 1995;5:342-5.
229. Andrews WW, Hauth JC, Goldenberg RL, Gomez R, **Romero R**, Cassell GH. Amniotic fluid interleukin-6: correlation with upper genital tract microbial colonization and gestational age in women delivered after spontaneous labor versus indicated delivery. *Am J Obstet Gynecol* 1995;173:606-12.
230. Yoon BH, **Romero R**, Kim CJ, Jun JK, Gomez R, Choi JH, Syn HC. Amniotic fluid interleukin-6: a sensitive test for antenatal diagnosis of acute inflammatory lesions of preterm placenta and prediction of perinatal morbidity. *Am J Obstet Gynecol* 1995;172:960-70.
231. Goncalves LF, Sherer DM, **Romero R**, Silva M, Amundson GM, Treadwell MC. Prenatal sonographic findings of agenesis of the right and left portal veins and associated intrahepatic portosystemic shunts. *J Ultrasound Med* 1995;14:849-52.
232. Lauria MR, Gonik B, **Romero R**. Pulmonary hypoplasia: pathogenesis, diagnosis, and antenatal prediction. *Obstet Gynecol* 1995;86:466-75.
233. Quintero RA, Johnson MP, **Romero R**, Smith C, Arias F, Guevara-Zuloaga F, Cotton DB, Evans MI. In-utero percutaneous cystoscopy in the management of fetal lower obstructive uropathy. *Lancet* 1995;346:537-40.
234. Mitchell MD, **Romero R**, Edwin SS, Trautman MS. Prostaglandins and parturition. *Reprod Fertil Devel* 1995;7:623-32.
235. Berry SM, **Romero R**, Gomez R, Puder KS, Ghezzi F, Cotton DB, Bianchi DW. Premature parturition is characterized by in utero activation of the fetal immune system. *Am J Obstet Gynecol* 1995;173:1315-20.

236. Guinn DA, Goldenberg RL, Hauth JC, Andrews WW, Thom E, **Romero R**. Risk factors for the development of preterm premature rupture of the membranes after arrest of preterm labor. *Am J Obstet Gynecol* 1995;173:1310-5.
237. Baumann P, **Romero R**. Intra-amniotic infection, cytokines and premature labor. *Wien Klin Wochenschr* 1995;107:598-607.
238. Yoon BH, **Romero R**, Yang SH, Jun JK, Choi JH, Kim IO, Syn HC. Interleukin-6 concentrations in umbilical cord plasma are elevated in neonates with white matter lesions associated with periventricular leukomalacia. *Am J Obstet Gynecol* 1996;174:1433-40.
239. Quintero RA, **Romero R**, Reich H, Goncalves L, Johnson MP, Carenno C, Evans MI. In utero percutaneous umbilical cord ligation in the management of complicated monochorionic multiple gestations. *Ultrasound Obstet Gynecol* 1996;8:16-22.
240. Quintero RA, Reich H, **Romero R**, Johnson MP, Goncalves L, Evans MI. In utero endoscopic devascularization of a large chorioangioma. *Ultrasound Obstet Gynecol* 1996;8:48-52.
241. Edwin SS, **Romero R**, Munoz H, Branch DW, Mitchell MD. 5-Hydroxyeicosatetraenoic acid and human parturition. *Prostaglandins* 1996;51:403-12.
242. Yoon BH, Jun JK, Park KH, Syn HC, Gomez R, **Romero R**. Serum C-reactive protein, white blood cell count and amniotic fluid white blood cell count in women with preterm premature rupture of membranes. *Obstet Gynecol* 1996;88:1034-40.
243. Svinarich DM, Bitonti OM, **Romero R**, Gonik B. Induction and postranslational expression of cytokines in a first-trimester trophoblast cell line by lipopolysaccharide. *Am J Obstet Gynecol* 1996;175:970-3.
244. Cohen J, Ghezzi F, **Romero R**, Ghidini A, Mazor M, Tolosa JE, Goncalves LF, Gomez R. GRO alpha in the fetomaternal and amniotic fluid compartments during pregnancy and parturition. *Am J Reprod Immunol* 1996;35:23-9.
245. Treadwell MC, Sherer DM, Sacks AJ, Ghezzi F, **Romero R**. Successful treatment of recurrent non-immune hydrops secondary to fetal hyperthyroidism. *Obstet Gynecol* 1996;87:838-40.
246. Quintero RA, **Romero R**, Dzieczkowski J, Mammen E, Evans MI. Sealing of ruptured amniotic membranes with intra-amniotic platelet-cryoprecipitate plug. *Lancet* 1996;347:1117.
247. Yoon BH, Yang SH, Jun JK, Park KH, Kim CJ, **Romero R**. Maternal blood C-reactive protein, white blood cell count and temperature in preterm labor: a comparison with amniotic fluid white blood cell count. *Obstet Gynecol* 1996;87:231-7.
248. Svinarich DM, Bitonti OM, Araneda H, **Romero R**, Gonik B. Induction and postranslational expression of G-CSF and RANTES in a first trimester trophoblast cell line by lipopolysaccharide. *Am J Reprod Immunol* 1996;36:256-9.
249. **Romero R**, Munoz H, Gomez R, Parra M, Polanco M, Valverde V, Hasbun J, Garrido J, Ghezzi F, Mazor M, Tolosa JE, Mitchell MD. Increase in prostaglandin bioavailability precedes the onset of human parturition. *Prostaglandins Leukot Essent Fatty Acids* 1996;54:187-91.

250. Svinarich DM, Wolf NA, Gomez R, Gonik B, **Romero R**. Detection of human defensin 5 in reproductive tissues. *Am J Obstet Gynecol*; 1997;176:470-5.
251. Fidel PL Jr, **Romero R**, Cutright J, Wolf N, Gomez R, Araneda H, Ramirez M, Yoon BH. Treatment with the interleukin-1 receptor antagonist and soluble tumor necrosis factor receptor Fc fusion protein does not prevent endotoxin-induced preterm parturition in mice. *J Soc Gynecol Invest* 1997;4:22-6.
252. Ghezzi F, Gomez R, **Romero R**, Yoon BH, Edwin S, David C, Jenisse J, Mazor M. Evidence that the injury responsible for the development of bronchopulmonary dysplasia may begin in utero. *Eur J Obstet Gynecol Reprod Biol* 1998;78:5-10.
253. Yoon BH, Jun JK, **Romero R**, Park KH, Gomez R, Choi JH, Kim IO. Amniotic fluid inflammatory cytokines (interleukin-6, interleukin-1beta, and tumor necrosis factor-alpha), neonatal brain white matter lesions, and cerebral palsy. *Am J Obstet Gynecol* 1997;177:19-26.
254. Yoon BH, **Romero R**, Kim CJ, Koo JN, Choe G, Chi JG. High expression of tumor necrosis factor- and interleukin-6 in periventricular leukomalacia. *Am J Obstet Gynecol* 1997;177:406-11.
255. Yoon BH, **Romero R**, Jun JK, Park KH, Park JD, Ghezzi F, Kim BI. Amniotic fluid cytokines (interleukin-6, tumor necrosis factor-alpha, interleukin-1 beta, and interleukin-8) and the risk for the development of bronchopulmonary dysplasia. *Am J Obstet Gynecol* 1997;177:825-30.
256. Yoon, BH, Kim CJ, **Romero R**, Jun JK, Park KH, Choi ST, Chi JG. Experimentally induced intrauterine infection causes fetal brain white matter lesions in rabbits. *Am J Obstet Gynecol* 1997;177:797-802.
257. Svinarich DM, Gomez R, **Romero R**. Detection of human defensins in the placenta. *Am J Reprod Immunol* 1997;38:252-5.
258. Gomez R, **Romero R**, Ghezzi F, Yoon BH, Mazor M, Berry SM. The fetal inflammatory response syndrome. *Am J Obstet Gynecol* 1998;179:194-202.
259. **Romero R**, Gomez R, Ghezzi F, Yoon BH, Mazor M, Edwin SS, Berry SM. A fetal systemic inflammatory response is followed by the spontaneous onset of preterm parturition. *Am J Obstet Gynecol* 1998;179:186-93.
260. Krasnegor, NA, Fifer W, Maulik D, McNellis D, **Romero R**, Smotherman W. Fetal behavioral development: measurement of habituation, state transitions, and movement to assess fetal well being and to predict outcome. *J Matern Fetal Investig* 1998;8:51-7.
261. Arias F, **Romero R**, Joist G, Kraus FT. Thrombophilia: a mechanism of disease in women with adverse pregnancy outcome and thrombotic lesions in the placenta. *J Mat Fet Med* 1998; 7:277-86.
262. Athayde N, Edwin SS, **Romero R**, Gomez R, Maymon E, Pacora P, Menon, R. A role for matrix metalloproteinases-9 in spontaneous rupture of the fetal membranes. *Am J Obstet Gynecol* 1998;179:1248-53.
263. Chervenak FA, Skupski DW, **Romero R**, Myers MK, Smith-Levitin M, Rosenwaks Z, Thaler HT. How accurate is fetal biometry in the assessment of fetal age? *Am J Obstet Gynecol* 1998;178:678-87.

264. Yoon BH, Chang JW, **Romero R**, Isolation of Ureaplasma urealyticum from the amniotic cavity and adverse outcome in preterm labor. *Obstet Gynecol* 1998; 92:77-82.
265. Fidel PL Jr, **Romero R**, Maymon E, Hertelendy F. Bacteria-induced or bacterial product- induced preterm parturition in mice and rabbits is preceded by a significant fall in serum progesterone concentrations. *J Matern Fetal Neonatal Med Fetal Med* 1998;7:222-6.
266. Yoon BH, **Romero R**, Jun JK, Maymon E, Gomez R, Mazor M, Park JS. An increase in fetal plasma cortisol but not dehydroepiandrosterone sulfate is followed by the onset of preterm labor in patients with preterm premature rupture of the membranes. *Am J Obstet Gynecol* 1998; 179:1107-14.
267. Yoon BH, **Romero R**, Park JS, Chang JW, Kim YA, Kim JC, Kim KS. Microbial invasion of the amniotic cavity with ureaplasma urealyticum is associated with a robust host response in fetal, amniotic, and maternal compartments. *Am J Obstet Gynecol* 1998;179:1254-60.
268. Quintero RA, Morales WJ, Kalter CS, Allen M, Mendoza G, Angel JL, **Romero R**. Transabdominal intra-amniotic endoscopic assessment of previable premature rupture of membranes. *Am J Obstet Gynecol* 1998;179:71-6.
269. Ghezzi F, Gomez R, **Romero R**, Yoon BH, Edwin SS, David C, Janisse J, Mazor M. Elevated interleukin-8 concentrations in amniotic fluid of mothers whose neonates subsequently develop bronchopulmonary dysplasia. *Eur J Obstet Gynecol Reprod Biol* 1998;78:5-10.
270. Petraglia F, Gomez R, Luisi S, Florio P, Tolosa JE, Stomati M, **Romero R**. Increased midtrimester amniotic fluid activin A: a risk factor for subsequent fetal death. *Am J Obstet Gynecol* 1999;180:194-7.
271. Athayde N, **Romero R**, Gomez R, Maymon E, Pacora P, Mazor M, Yoon BH, Fortunato S, Menon R, Ghezzi F, Edwin S. Matrix metalloproteinases-9 in preterm and term human parturition. *J Mat Fet Med* 1999;8:213-9.
272. Molnar M, Rigo J Jr, **Romero R**, Hertelendy F. Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells. *Am J Obstet Gynecol* 1999;181:42-9.
273. Belt AR, Baldassare JJ, Molnar M, **Romero R**, Hertelendy F. The nuclear transcription factor NF-kappaB mediates interleukin-1beta-induced expression of cyclooxygenase-2 human myometrial cells. *Am J Obstet Gynecol* 1999;181:359-66.
274. Athayde N, **Romero R**, Maymon E, Gomez R, Pacora P, Araneda H, Yoon BH. A role for the novel cytokine RANTES in pregnancy and parturition. *Am J Obstet Gynecol* 1999;181:989-94.
275. Maymon E, Ghezzi F, Edwin SS, Mazor M, Yoon BH, Gomez R, **Romero R**. The tumor necrosis factor alpha and its soluble receptor profile in term and preterm parturition. *Am J Obstet Gynecol* 1999;181:1142-8.
276. Leach RE, Khalifa R, Ramirez ND, Das SK, Wang J, Dey SK, **Romero R**, Armant DR. Multiple roles for heparin-binding epidermal growth factor-like growth factor are suggested by its cell-specific expression during the human endometrial cycle and early placentation. *J Clin Endocrinol Metab* 1999;84:3355-63.

277. Yoon BH, **Romero R**, Kim KS, Park JS, Ki SH, Kim BI, Jun JK. A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia. *Am J Obstet Gynecol* 1999;181:773-9.
278. Yoon BH, Kim YA, **Romero R**, Kim JC, Park KP, Kim MH, Park JS. Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments. *Am J Obstet Gynecol* 1999;181:784-8.
279. Athayde N, **Romero R**, Maymon E, Gomez R, Pacora P, Yoon BH, Edwin SS. Interleukin-16 in pregnancy, parturition, rupture of fetal membranes and microbial invasion of the amniotic cavity. *Am J Obstet Gynecol* 2000;182:135-41.
280. Yoon BH, **Romero R**, Park JS, Kim CJ, Kim SH, Choi JH, Han TR. Fetal exposure to an intra-amniotic inflammation and the development of cerebral palsy at the age of three years. *Am J Obstet Gynecol* 2000;182:675-81.
281. Kilburn BA, Wang J, Duniec-Dmuchowski ZM, Leach RE, **Romero R**, Armant DR. Extracellular matrix composition and hypoxia regulate the expression of GLA-G and integrins in a human trophoblast cell line. *Biol Reprod* 2000;62:739-47.
282. **Romero R**, Sibai BM, Sanchez-Ramos L, Valenzuela GJ, Veille JC, Tabor B, Perry KG, Varner M, Goodwin TM, Lane R, Smith J, Shangold G, Creasy GW. An oxytocin receptor antagonist (atosiban) in the treatment of preterm labor: a randomized, double-blind, placebo-controlled trial with tocolytic rescue. *Am J Obstet Gynecol* 2000;182:1173-83.
283. Valenzuela GJ, Snachez-Ramos L, **Romero R**, Silver HM, Koltun WD, Millar L, Hobbins J, Rayburn W, Shangold G, Wang J, Smith J, Creasy GW. Maintenance treatment of preterm labor with the oxytocin antagonist atosiban. The Atosiban PTL-098 Study Group. *Am J Obstet Gynecol* 2000;182:1184-90.
284. Seubert DE, Maymon E, Pacora P, Gervasi MT, Berry SM, Torry DS, **Romero R**. A study of the relationship between placental growth factor and gestational age, parturition, rupture of membranes and intrauterine infection. *Am J Obstet Gynecol* 2000;182:1633-7.
285. Maymon E, **Romero R**, Pacora P, Gomez R, Athayde N, Edwin S, Yoon BH. Human neutrophil collagenase (matrix metalloproteinase 8) in parturition, premature rupture of the membranes and intrauterine infection. *Am J Obstet Gynecol* 2000;183:94-9.
286. Garfield RE, Bytautiene MD, Vedernikov YP, Marshall JS, **Romero R**. Modulation of rat uterine contractility by mast cells and their mediators. *Am J Obstet Gynecol* 2000;183:118-25.
287. Hassan SS, **Romero R**, Berry SM, Dang K, Blackwell SC, Treadwell MC, Wolfe HM. Patients with an ultrasonographic cervical length \leq 15 mm have nearly a 50% risk of early spontaneous preterm delivery. *Am J Obstet Gynecol* 2000;182:1458-67.
288. Maymon E, **Romero R**, Pacora P, Gervasi MT, Edwin SS, Gomez R, Seubert DE. Matrilysin (matrix metalloproteinase 7) in parturition, premature rupture of the membranes and intra-uterine infection. *Am J Obstet Gynecol* 2000;182:1545-53.

289. Maymon E, **Romero R**, Pacora P, Gervasi MT, Bianco K, Ghezzi F, Yoon BH. Evidence for the participation of interstitial collagenase (matrix metalloproteinase 1) in preterm premature rupture of the membranes. *Am J Obstet Gynecol* 2000;183:914-20.
290. Maymon E, **Romero R**, Pacora P, Gervasi MT, Gomez R, Edwin SS, Yoon BH. Evidence of in vivo differential bioavailability of the active forms of matrix metalloproteinases 9 and 2 in parturition, spontaneous rupture of membranes, and intra-amniotic infection. *Am J Obstet Gynecol* 2000;183:887-94.
291. Pacora P, Maymon E, Gervasi MT, Gomez R, Edwin SS, Yoon BH, **Romero R**. Lactoferrin in intrauterine infection, human parturition, and rupture of fetal membranes. *Am J Obstet Gynecol* 2000;183:904-10.
292. **Romero R**, Maymon E, Pacora P, Gomez R, Mazor M, Yoon BH, Berry SM. Further observations on the fetal inflammatory response syndrome: a potential homeostatic role of the soluble receptors of tumor necrosis factor alpha. *Am J Obstet Gynecol* 2000;183:1070-7.
293. Pacora P, **Romero R**, Maymon E, Gervasi MT, Gomez R, Edwin SS, Yoon BH. The novel cytokine interleukin-18 participates in the host response to intra-amniotic infection. *Am J Obstet Gynecol* 2000;183:1138-43.
294. Davies JK, Shikes RH, Sze CI, Leslie KK, McDuffie RS, **Romero R**, Gibbs RS. Histologic inflammation in the maternal and fetal compartments in a rabbit model of acute intra-amniotic infection. *Am J Obstet Gynecol* 2000;183:1088-93.
295. Lee W, Kirk J, Shaheen KW, **Romero R**, Hodges AN, Comstock CH. Fetal cleft lip and palate detection by three-dimensional ultrasonography. *Ultrasound Obstet Gynecol* 2000;16:314-20.
296. Yoon BH, **Romero R**, Kim M, Kim EC, Kim T, Park JS, Jun JK. Clinical implications of detection of *Ureaplasma urealyticum* in the amniotic cavity with the polymerase chain reaction. *Am J Obstet Gynecol* 2000;183:1130-7.
297. Yoon BH, **Romero R**, Park JS, Kim M, Oh SY, Kim CJ, Jun JK. The relationship among inflammatory lesions of the umbilical cord (funisitis), umbilical cord plasma interleukin 6 concentration, amniotic fluid infection, and neonatal sepsis. *Am J Obstet Gynecol* 2000; 183:1124-9.
298. Kazzi SN, Shurch S, McLaughlin KL, **Romero R**, Janisse J. Surfactant phospholipids and surface activity among preterm infants with respiratory distress syndrome who develop bronchopulmonary dysplasia. *Acta Paediatr* 2000;89:1218-25.
299. Pacora P, **Romero R**, Maymon E, Gervasi MT, Gomez R, Edwin SS, Roon BH. Participation of the novel cytokine interleukin 18 in the host response to intra-amniotic infection. *Am J Obstet Gynecol* 2000;183:1138-43.
300. Jun JK, Yoon BH, **Romero R**, Kim M, Moon JB, Ki SH, Park JS. Interleukin 6 determinations in cervical fluid have diagnostic and prognostic value in preterm premature rupture of membranes. *Am J Obstet Gynecol* 2000;183:868-73.
301. Hertelendy F, Rastogi P, Molnár M, **Romero R**. Interleukin-1 beta-induced prostaglandin E₂ production in human myometrial cells: role of a pertussis toxin-sensitive component. *Am J Reprod Immunol Microbiol* 2001;45:142-7.

302. Park JS, Yoon BH, **Romero R**, Moon JB, Oh SY, Kim JC, Jun JK. The relationship between oligohydramnios and the onset of preterm labor in preterm premature rupture of membranes. *Am J Obstet Gynecol* 2001;184:459-62.
303. Lee W, Kirk JS, Comstock CH, **Romero R**. Vasa previa: prenatal detection by three-dimensional ultrasonography. *Ultrasound Obstet Gynecol* 2001;16:384-7.
304. Kazzi SN, **Romero R**, McLaughlin K, Ager J, Janisse J. Serial changes in levels of IL-6 and IL-1beta in premature infants at risk for bronchopulmonary dysplasia. *Pediatr Pulmonol* 2001; 31:220-6.
305. DeVore GR, **Romero R**. Combined use of genetic sonography and maternal serum triple-screening: an effective method for increasing the detection of trisomy 21 in women younger than 35 years. *J Ultrasound Med* 2001;20:645-54.
306. **Romero R**, Gomez R, Chaiworapongsa T, Conoscenti G, Kim JC, Kim YM. The role of infection in preterm labour and delivery. *Paediatr Perinat Epidemiol* 2001;15 Suppl 2:41-56.
307. Maymon E, **Romero R**, Pacora P, Gomez R, Mazor M, Edwin S, Chaiworapongsa T, Kim JC, Yoon BH, Menon R, Fortunato S, Berry SM. A role for the 72 kDa gelatinase (MMP-2) and its inhibitor (TIMP-2) in human parturition, premature rupture of membranes and intra-amniotic infection. *J Perinat Med* 2001;29:308-16.
308. Hassan SS, **Romero R**, Maymon E, Berry SM, Blackwell SC, Treadwell MC, Tomlinson M. Does cervical cerclage prevent preterm delivery in patients with a short cervix? *Am J Obstet Gynecol* 2001;184:1325-9; discussion 1329-31.
309. Kim CJ, Yoon BH, **Romero R**, Moon JB, Kim M, Park SS, Chi JG. Umbilical arteritis and phlebitis mark different stages of the fetal inflammatory response. *Am J Obstet Gynecol* 2001;185:496-500.
310. Gervasi MT, Chaiworapongsa T, Pacora P, Naccasha N, Yoon BH, Maymon E, **Romero R**. Phenotypic and metabolic characteristics of monocytes and granulocytes in preeclampsia. *Am J Obstet Gynecol* 2001;185:792-7.
311. Gervasi MT, Chaiworapongsa T, Naccasha N, Blackwell S, Yoon BH, Maymon E, **Romero R**. Phenotypic and metabolic characteristics of maternal monocytes and granulocytes in preterm labor with intact membranes. *Am J Obstet Gynecol* 2001;185:1124-9.
312. Naccasha N, Gervasi MT, Chaiworapongsa T, Berman S, Yoon BH, Maymon E, **Romero R**. Phenotypic and metabolic characteristics of monocytes and granulocytes in normal pregnancy and maternal infection. *Am J Obstet Gynecol* 2001;185:1118-23.
313. Lee W, Blanckaert K, Bronsteen RA, Huang R, **Romero R**. Fetal iliac angle measurements by three-dimensional sonography. *Ultrasound Obstet Gynecol* 2001;18:150-4.
314. Lee W, Deter R, Ebersole J, Huang R, Blanckaert K, **Romero R**. Birth weight prediction by 3D ultrasonography: fractional limb volume. *Ultrasound Obstet Gynecol* 2001;12:83-92.

315. Yoon BH, Oh SY, **Romero R**, Shim SS, Han SY, Park JS, Jun JK. An elevated amniotic fluid matrix metalloproteinase-8 level at the time of mid-trimester genetic amniocentesis is a risk factor for spontaneous preterm delivery. *Am J Obstet Gynecol* 2001;185:1162-7.
316. Park JS, **Romero R**, Yoon BH, Moon JB, Oh SY, Han SY, Ko EM. The relationship between amniotic fluid matrix metalloproteinase-8 and funisitis. *Am J Obstet Gynecol* 2001;185:1156-61.
317. Maymon E, **Romero R**, Chaiworapongsa T, Kim JC, Berman S, Gomez R, Edwin S. Value of amniotic fluid neutrophil collagenase concentrations in preterm premature rupture of membranes. *Am J Obstet Gynecol* 2001;185:1143-8.
318. Maymon E, **Romero R**, Chaiworapongsa T, Berman S, Conoscenti G, Gomez R, Edwin S. Amniotic fluid matrix metalloproteinase-8 in preterm labor with intact membranes. *Am J Obstet Gynecol* 2001;185:1149-55.
319. Yoon BH, **Romero R**, Moon JB, Shim SS, Kim M, Kim G, Jun JK. Clinical significance of intra-amniotic inflammation in patients with preterm labor and intact membranes. *Am J Obstet Gynecol* 2001;185:1130-6.
320. Yoon BH, **Romero R**, Moon JB, Oh Sy, Han SY, Kim JC, Shim SS. The frequency and clinical significance of intra-amniotic inflammation in patients with a positive cervical fetal fibronectin. *Am J Obstet Gynecol* 2001;185:1137-42.
321. DeVore GR, **Romero R**. Genetic sonography: a cost-effective method for evaluating women 35 years and older who decline genetic amniocentesis. *J Ultrasound Med* 2002;21:5-13.
322. **Romero R**, Kalache KD, Kadar N. Timing the delivery of the preterm severely growth-restricted fetus: venous Doppler, cardiotocography or the biophysical profile? *Ultrasound Obstet Gynecol* 2002;19:118-21.
323. Fujimoto T, Parry S, Urbanek M, Sammel M, Macones G, Kuivaniemi H, **Romero R**, Strauss JF 3rd. A single nucleotide polymorphism in the matrix metalloproteinase-1 (MMP-1) promoter influences amnion cell MMP-1 expression and risk for preterm premature rupture of the fetal membranes. *J Biol Chem* 2002;277:6296-302.
324. Ferrand PE, Parry S, Sammel M, Macones GA, Kuivaniemi H, **Romero R**, Strauss JF 3rd. A polymorphism in the matrix metalloproteinase-9 promoter is associated with increased risk of preterm premature rupture of membranes in African Americans. *Mol Hum Reprod* 2002;8:494-501.
325. Bytautiene E, Vedernikov YP, Saade GR, **Romero R**, Garfield RE. Endogenous mast cell degranulation modulates cervical contractility in the guinea pig. *Am J Obstet Gynecol* 2002;186:438-45.
326. Pacora P, Chaiworapongsa T, Maymon E, Kim YM, Gomez R, Yoon BH, Ghezzi F, Berry SM, Qureshi F, Jacques SM, Kadar N, **Romero R**. Funisitis and chorionic vasculitis: the histological counterpart of the fetal inflammatory response syndrome. *J Matern Fetal Neonatal Med* 2002;11: 18-25.
327. Goncalves LF, Chaiworapongsa T, **Romero R**. Intrauterine infection and prematurity. *Ment Retard Dev Disabil Res Rev* 2002;8:3-13.

328. Gervasi MT, Chaiworapongsa T, Naccasha N, Pacora P, Berman S, Maymon E, Kim JC, Kim YM, Yoshimatsu J, Espinoza J, **Romero R**. Maternal intravascular inflammation in preterm premature rupture of membranes. *J Matern Fetal Neonatal Med* 2002;11:171-5.
329. Chaiworapongsa T, **Romero R**, Kim JC, Kim YM, Blackwell SC, Yoon BH, Gomez R. Evidence for fetal involvement in the pathologic process of clinical chorioamnionitis. *Am J Obstet Gynecol* 2002;186:1178-82.
330. Lee W, Chaiworapongsa T, **Romero R**, Williams R, McNie B, Johnson A, Treadwell M, Comstock CH. A diagnostic approach for the evaluation of spina bifida by three-dimensional ultrasonography. *J Ultrasound Med* 2002;21:619-26.
331. Lee W, McNie B, Chaiworapongsa T, Conoscenti G, Kalache KD, Vettrainso IM, **Romero R**, Comstock CH. Three-dimensional ultrasonographic presentation of micrognathia. *J Ultrasound Med* 2002;21:775-81.
332. Chaiworapongsa T, Espinoza J, Yoshimatsu J, Kalache K, Edwin S, Blackwell S, Yoon BH, Tolosa JE, Silva M, Behnke E, Gomez R, **Romero R**. Subclinical myocardial injury in small-for-gestational-age neonates. *J Matern Fetal Neonatal Med* 2002;11:385-90.
333. Chaiworapongsa T, Espinoza J, Yoshimatsu J, Kim YM, Bujold E, Edwin S, Yoon BH, **Romero R**. Activation of coagulation system in preterm labor and preterm premature rupture of membranes. *J Matern Fetal Neonatal Med* 2002;11:368-73.
334. Hertelendy F, Molnar M, **Romero R**. Interferon gamma antagonizes interleukin-1beta-induced cyclooxygenase-2 expression and prostaglandin E(2) production in human myometrial cells. *J Soc Gynecol Investig* 2002;9:215-9.
335. Chaiworapongsa T, Yoshimatsu J, Espinoza J, Kim YM, Berman S, Edwin S, Yoon BH, **Romero R**. Evidence of in vivo generation of thrombin in patients with small-for-gestational- age fetuses and preeclampsia. *J Matern Fetal Neonatal Med* 2002;11:362-7.
336. Chaiworapongsa T, **Romero R**, Yoshimatsu J, Espinoza J, Kim YM, Park K, Kalache K, Edwin S, Bujold E, Gomez R. Soluble adhesion molecule profile in normal pregnancy and preeclampsia. *J Matern Fetal Neonatal Med* 2002;12:19-27.
337. Moon JB, Kim JC, Yoon BH, **Romero R**, Kim G, Oh SY, Kim M, Shim SS. Amniotic fluid matrix metalloproteinase-8 and the development of cerebral palsy. *J Perinat Med* 2002;30:301-6.
338. Ferrand PE, Fujimoto T, Chennathukuzhi V, Parry S, Macones GA, Sammel M, Kuivaniemi H, **Romero R**, Strauss JF 3rd. The CARD15 2936insC mutation and TLR4 896 A>G polymorphism in African Americans and risk of preterm premature rupture of membranes (PPROM). *Mol Hum Reprod* 2002;8:1031-4.
339. Kim YM, Chaiworapongsa T, Gomez R, Bujold E, Yoon BH, Rotmensch S, Thaler HT, **Romero R**. Failure of physiologic transformation of the spiral arteries in the placental bed in preterm premature rupture of membranes. *Am J Obstet Gynecol* 2002;187:1137-42.
340. **Romero R**, Kuivaniemi H, Tromp G, Olson J. The design, execution, and interpretation of genetic association studies to decipher complex diseases. *Am J Obstet Gynecol* 2002;187:1299-312.

341. **Romero R**, Chaiworapongsa T, Espinoza J, Gomez R, Yoon BH, Edwin S, Mazor M, Maymon E, Berry S. Fetal plasma MMP-9 concentrations are elevated in preterm premature rupture of the membranes. *Am J Obstet Gynecol* 2002;187:1125-30.
342. Chaiworapongsa T, Gervasi MT, Refuerzo J, Espinoza J, Yoshimatsu J, Berman S, **Romero R**. Maternal lymphocyte subpopulations (CD45RA+ and CD45RO+) in preeclampsia. *Am J Obstet Gynecol* 2002;187:889-93.
343. Kindzelskii AL, Huang JB, Chaiworapongsa T, Fahmy RM, Kim YM, **Romero R**, Petty HR. Pregnancy alters glucose-6-phosphate dehydrogenase trafficking, cell metabolism, and oxidant release of maternal neutrophils. *J Clin Invest* 2002;110:1801-11.
344. Chaiworapongsa T, **Romero R**, Tolosa JE, Yoshimatsu J, Espinoza J, Kim YM, Kim JC, Bujold E, Kalache K, Edwin S. Elevated monocyte chemotactic protein-1 in amniotic fluid is a risk factor for pregnancy loss. *J Matern Fetal Neonatal Med* 2002;12:159-64.
345. **Romero R**, Espinoza J, Chaiworapongsa T, Kalache K. Infection and prematurity and the role of preventive strategies. *Semin Neonatol* 2002;7:259-74.
346. Helmig BR, **Romero R**, Espinoza J, Chaiworapongsa T, Bujold E, Gomez R, Ohlsson K, Ulbjerg N. Neutrophil elastase and secretory leukocyte protease inhibitor in prelabor rupture of membranes, parturition, and intra-amniotic infection. *J Matern Fetal Neonatal Med* 2002;12:237-46.
347. Edwin SS, **Romero R**, Rathnasabapathy CM, Athaydel N, Armant DR, Subramanian MG. Protein kinase C stimulates release of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 by human decidual cells. *J Matern Fetal Neonatal Med* 2002;12:231-6.
348. Leach RE, **Romero R**, Kim YM, Chaiworapongsa T, Kilburn B, Das SK, Dey SK, Johnson A, Qureshi F, Jacques S, Armant DR. Preeclampsia and expression of heparin-binding EDG-like growth factor. *Lancet* 2002;360:1215-9.
349. Espinoza J, **Romero R**, Chaiworapongsa T, Kim, JC, Yoshimatsu J, Edwin S, Rathnasabapathy C, Tolosa J, Donnerfeld A, Gomez R, Bujold E. Lipopolysaccharide-binding protein in microbial invasion of the amniotic cavity and human parturition. *J Matern Fetal Neonatal Med* 2002;12:313-21.
350. Espinoza J, Chaiworapongsa T, **Romero R**, Gomez R, Kim JC, Yoshimatsu J, Edwin S, Rathnasabapathy C, Yoon BH. Evidence of participation of soluble CD14 in the host response to microbial invasion of the amniotic cavity and intra-amniotic inflammation in term and preterm gestations. *J Matern Fetal Neonatal Med* 2002;12:304-12.
351. Kalache K, Conoscenti G, Qureshi F, Jacques SM, Chaiworapongsa T, Treadwell M, Johnson A, **Romero R**. Prenatal diagnosis of dilated coronary sinus with persistent left superior vena cava in a fetus with trisomy 18. *Prenat Diag* 2003;23:108-10.

352. Park KH, Chaiworapongsa T, Kim TM, Espinoza J, Yoshimatsu J, Edwin S, Gomez R, Yoon BH, **Romero R**. Matrix metalloproteinase 3 in parturition, premature rupture of the membranes, and microbial invasion of the amniotic cavity. *J Perinat Med* 2003;31:12-22.
353. Yoon BH, **Romero R**, Moon J, Chaiworapongsa T, Espinoza J, Kim YM, Edwin S, Kim JC, Camacho N, Bujold E, Gomez R. Differences in the fetal interleukin-6 response to microbial invasion of the amniotic cavity between term and preterm gestation. *J Matern Fetal Neonatal Med* 2003; 13:32-8.
354. Bytautiene E, Vedernikov YP, Saade GR, **Romero R**, Garfield RE. Effect of histamine on phasic and tonic contractions of isolated uterine tissue from pregnant women. *Am J Obstet Gynecol* 2003;188:774-8.
355. Neale D, Demasio K, Illuzi J, Chaiworapongsa T, **Romero R**, Mor G. Maternal serum of women with preeclampsia reduces trophoblast cell viability: evidence for an increased sensitivity to Fas-mediated apoptosis. *J Matern Fetal Neonatal Med* 2003;13:39-44.
356. Kalache KD, Espinoza J, Chaiworapongsa T, Londono J, Schoen ML, Treadwell MC, Lee W, **Romero R**. Three-dimensional ultrasound reconstructed fetal lung volume measurement: a systematic study comparing the multiplanar method with the rotational (VOCAL) technique. *Ultrasound Obstet Gynecol* 2003;21:111-8.
357. Lee W, DeVore GR, Comstock CH, Kalache KD, McNie B, Chaiworapongsa T, Conoscenti G, Treadwell MC, Johnson A, Huang R, **Romero R**. Nasal bone evaluation in fetuses with Down syndrome during the second and third trimesters of pregnancy. *J Ultrasound Med* 2003;22:55-60.
358. Lee W, Kalache KD, Chaiworapongsa T, Londono J, Treadwell MC, Johnson A, **Romero R**. Three-dimensional power Doppler ultrasonography during pregnancy. *J Ultrasound Med* 2003; 22:91-7.
359. Espinoza J, Chaiworapongsa T, **Romero R**, Edwin S, Rathnasabapathy C, Gomez R, Bujold E, Camacho N, Kim YM, Hassan S, Blackwell S, Whitty J, Berman S, Redman M, Yoon BH, Sorokin Y. Antimicrobial peptides in amniotic fluid: defensins, calprotectin and bacterial/permeability-increasing protein in patients with microbial invasion of the amniotic cavity, intra-amniotic inflammation, preterm labor and premature rupture of membranes. *J Matern Fetal Neonatal Med* 2003;13:2-21.
360. Kim M, Kim G, **Romero R**, Shim SS, Kim EC, Yoon BH. Biovar diversity of *Ureaplasma urealyticum* in amniotic fluid: distribution, intrauterine inflammatory response and pregnancy outcomes. *J Perinat Med* 2003;31:146-52.
361. Lonergan M, Aponso D, Marvin KW, Helliwell RJ, Sato TA, Mitchell MD, Chaiworapongsa T, **Romero R**, Keelan JA. Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL), TRAIL receptors, and the soluble receptor osteoprotegerin in human gestational membranes and amniotic fluid during pregnancy and labor at term and preterm. *J Clin Endocrinol Metab* 2003; 88:3835-44.
362. Zabetian CP, **Romero R**, Robertson D, Sharma S, Padbury JF, Kuivaniemi H, Kim KS, Kim CH, Kohnke MD, Kranzler HR, Gelernter J, Cubelis JF. A revised allele frequency estimate and haplotype analysis of the DBH deficiency mutation IVS1 +2T --> C in African- and European-Americans. *Am J Med Genet* 2003;123A:190-2.

363. Kalache K, **Romero R**, Goncalves LF, Chaiworapongsa T, Espinoza J, Schoen ML, Treadwell MC, Lee W. Three-dimensional color power imaging of the fetal hepatic circulation. *Am J Obstet Gynecol* 2003;189:1401-6.
364. Kim YM, Bujold E, Chaiworapongsa T, Gomez R, Yoon BH, Thaler HT, Rotmensch S, **Romero R**. Failure of physiologic transformation of the spiral arteries in patients with preterm labor and intact membranes. *Am J Obstet Gynecol* 2003;189:1063-9.
365. Yoon BH, **Romero R**, Lim JH, Shim SS, Hong JS, Shim JY, Jun JK. The clinical significance of detecting *Ureaplasma urealyticum* by the polymerase chain reaction in the amniotic fluid of patients with preterm labor. *Am J Obstet Gynecol* 2003;189:919-24.
366. Bianchi DW, **Romero R**. Biological implications of bi-directional fetomaternal cell traffic: a Development-sponsored conference. *J Matern Fetal Neonatal Med* 2003;14:123-9.
367. Esplin MS, **Romero R**, Chaiworapongsa T, Kim YM, Edwin S, Gomez R, Gonzalez R, Adashi EY. Amniotic fluid levels of immunoreactive monocyte chemoattractant protein-1 increase during term parturition. *J Matern Fetal Neonatal Med* 2003;14:51-6.
368. Fidel P, Ghezzi F, **Romero R**, Chaiworapongsa T, Espinoza J, Cutright J, Wolf N, Gomez R. The effect of antibiotic therapy on intrauterine infection-induced preterm parturition in rabbits. *J Matern Fetal Neonatal Med* 2003;14:57-64.
369. Yoon BH, **Romero R**, Shim JY, Shim SS, Kim CJ, Jun JK. C-reactive protein in umbilical cord blood: a simple and widely available clinical method to assess the risk of amniotic fluid infection and funisitis. *J Matern Fetal Neonatal Med* 2003;14:85-90.
370. Kim CJ, Yoon BH, Jun JK, Park JO, Cho SY, **Romero R**, Kim YM, Yu ES. Promyelocytic leukaemia (PML) protein expression in human placenta and choriocarcinoma. *J Pathol* 2003; 201:83-9.
371. Blackwell S, **Romero R**, Chaiworapongsa T, Kim YM, Bujold E, Espinoza J, Camacho N, Hassan S, Yoon BH, Refuerzo JS. Maternal and fetal inflammatory responses in unexplained fetal death. *J Matern Fetal Neonatal Med* 2003;14:151-7.
372. Blackwell S, **Romero R**, Chaiworapongsa T, Refuerzo J, Gervasi MT, Yoshimatsu J, Espinoza J, Berman S, Yoon BH. Unexplained fetal death is associated with changes in the adaptive limb of the maternal immune response consistent with prior antigenic exposure. *J Matern Fetal Neonatal Med* 2003;14:241- 6.
373. Bujold E, Chaiworapongsa T, **Romero R**, Gervasi MT, Espinoza J, Goncalves LF, Berman S, Yoon B, Kim YM. Neonates born to preeclamptic mothers have a higher percentage of natural killer cells (CD3-/CD56+16+) in umbilical cord blood than those without preeclampsia. *J Matern Fetal Neonatal Med* 2003;14:305-12.

374. Goncalves LF, Lee W, Chaiworapongsa T, Espinoza J, Schoen ML, Falkensammer P, Treadwell M, **Romero R**. Four-dimensional ultrasonography of the fetal heart using spatio temporal image correlation. *Am J Obstet Gynecol* 2003;189:1792-802.
375. DeVore GR, **Romero R**. Genetic sonography: an option for women of advanced maternal age with negative triple-marker maternal serum screening results. *J Ultrasound Med* 2003;22:1191-9.
376. Keelan JA, Wang K, Chaiworapongsa T, **Romero R**, Mitchell MD, Sato TA, Brown DA, Fairlie WD, Breit SN. Macrophage inhibitory cytokine 1 in fetal membranes and amniotic fluid from pregnancies with and without preterm labour and premature rupture of membranes. *Mol Hum Reprod* 2003;9:535-40.
377. **Romero R**, Chaiworapongsa T, Espinoza J. Micronutrients and intrauterine infection, preterm birth and the fetal inflammatory response syndrome. *J Nutr* 2003;133:1668S-73S.
378. Keelan JA, Yang J, **Romero R**, Chaiworapongsa T, Marvin KW, Sato TA, Mitchell MD. Epithelial cell-derived neutrophil-activating peptide-78 is present in fetal membranes and amniotic fluid at increased concentrations with intra-amniotic infection and preterm delivery. *Biol Reprod* 2004;70:253-9.
379. Leach RE, Kilburn B, Wang J, Liu Z, **Romero R**, Armant DR. Heparin-binding EGF-like growth factor regulates human extravillous cytotrophoblast development during conversion to the invasive phenotype. *Dev Biol* 2004;266:223-37.
380. Levine RJ, Qian C, Leshane ES, Yu KF, England LJ, Schisterman EF, Wataganara T, **Romero R**, Bianchi DW. Two-stage elevation of cell-free fetal DNA in maternal sera before onset of preeclampsia. *Am J Obstet Gynecol* 2004;190:707-13.
381. Chaiworapongsa T, **Romero R**, Espinoza J, Bujold E, Mee Kim Y, Goncalves LF, Gomez R, Edwin S. Evidence supporting a role for blockade of the vascular endothelial growth factor system in the pathophysiology of preeclampsia. Young Investigator Award. *Am J Obstet Gynecol* 2004;190:1541-7;discussion 1547-50.
382. Abrahams VM, Kim YM, Straszewski SL, **Romero R**, Mor G. Macrophages and apoptotic cell clearance during pregnancy. *Am J Reprod Immunol* 2004;51:275-82.
383. Liu Z, Kilburn BA, Leach RE, **Romero R**, Paria BC, Armant DR. Histamine enhances cytotrophoblast invasion by inducing intracellular calcium transients through the histamine type-1 receptor. *Mol Reprod Devel* 2004;68:345-53.
384. Sleurs E, Goncalves LF, Johnson A, Espinoza J, Devers P, Chaiworapongsa T, **Romero R**. First trimester three-dimensional ultrasonographic findings in a fetus with frontonasal malformation. *J Matern Fetal Neonatal Med* 2004;16:187-97.
385. Kindzelskii AL, Ueki T, Michibata H, Chaiworapongsa T, **Romero R**, Petty HR. 6-phosphogluconate dehydrogenase and glucose-6-phosphate dehydrogenase form a supramolecular complex in human neutrophils that undergoes retrograde trafficking during pregnancy. *J Immunol* 2004;172:6373-81.

386. Goncalves LF, **Romero R**, Espinoza J, Lee W, Treadwell M, Chintala K, Chaiworapongsa T. Four-dimensional ultrasonography imaging of the fetal heart using color Doppler spatio temporal image correlation. *J Ultrasound Med* 2004;23:473-81.
387. Abrahams VM, Bole-Aldo P, Kim YM, Straszewski-Chavez SL, Chaiworapongsa T, **Romero R**, Mor G. Divergent trophoblast responses to bacterial products mediated by TLRs. *J Immunol* 2004;173:4286-96.
388. Wang H, Parry S, Macones G, Sammel MD, Ferrand PE, Kuivaniemi H, Tromp G, Halder I, Shriver MD, **Romero R**, Strauss JF 3rd. Functionally significant SNP MMP8 promoter haplotypes and preterm premature rupture of membranes (PPROM). *Hum Mol Genet* 2004; 13:2659-69.
389. Bytautiene E, Vedernikov YP, Saade GR, **Romero R**, Garfield RE. Degranulation of uterine mast cell modifies contractility of isolated myometrium from pregnant women. *Am J Obstet Gynecol* 2004;191:1705-10.
390. Lee W, Deter RL, McNie B, Goncalves LF, Espinoza J, Chaiworapongsa T, **Romero R**. Individualized growth assessment of fetal soft tissue using fractional thigh volume. *Ultrasound Obstet Gynecol* 2004;24:766-74.
391. Goncalves LF, Espinoza J, Lee W, Schoen ML, Devers P, Mazor M, Chaiworapongsa T, DeVore GR, **Romero R**. Phenotypic characteristics of absent and hypoplastic nasal bones in fetuses with Down syndrome: description by 3-dimensional ultrasonography and clinical significance. *J Ultrasound Med* 2004;23:1619-27.
392. Goncalves LF, Espinoza J, Mazor M, **Romero R**. Newer imaging modalities in the prenatal diagnosis of skeletal dysplasias. *Ultrasound Obstet Gynecol* 2004;24:115-20.
393. **Romero R**, Espinoza J, Goncalves LF, Gomez R, Medina L, Silva M, Chaiworapongsa T, Yoon BH, Ghezzi F, Lee W, Treadwell MC, Berry SM, Maymon E, Mazor M, DeVore G. Fetal cardiac dysfunction in preterm premature rupture of membranes. *J Matern Fetal Neonatal Med* 2004;16:146-57.
394. Goncalves LF, Espinoza J, **Romero R**, Lee W, Beyer B, Treadwell MC, Humes R. A systematic approach to prenatal diagnosis of transposition of the great arteries using four-dimensional ultrasound with spatiotemporal image correlation. *J Ultrasound Med* 2004;23:1225-31.
395. Espinoza J, Kalache K, Goncalves LF, Lee W, Chaiworapongsa T, Schoen ML, Devers P, Treadwell MC, **Romero R**. Prenatal diagnosis of membranous ventricular septal aneurysms and its association with absence of the normal atrioventricular valve "offsetting". *J Ultrasound Obstet Gynecol* 2004;25:787-92.
396. Kim YM, Chaiworapongsa T, Kim GJ, Kim MR, Kuivaniemi H, Tromp G, Espinoza J, Bujold E, Abrahams V, Mor G, **Romero R**. Toll-like receptor-2 and -4 in the chorioamniotic membranes in spontaneous labor at term and in preterm parturition associated with chorioamnionitis. *Am J Obstet Gynecol* 2004;191:1346-55.

397. Bytautiene E, **Romero R**, Vedernikov Y, El-Zeky F, Saade G, Garfield R. Induction of premature labor and delivery by allergic reaction and prevention by histamine H₁ receptor antagonist. *Am J Obstet Gynecol* 2004;191:1356-61.
398. Tromp G, Kuivaniemi H, **Romero R**, Chaiworapongsa T, Kim YM, Kim MR, Maymon E, Edwin S. Genome-wide expression profiling of fetal membranes reveals a deficient expression of proteinase inhibitor 3 in premature rupture of membranes; *Am J Obstet Gynecol* 2004; 191:1331-8.
399. Shim SS, **Romero R**, Hong JS, Park CW, Jun JK, Kim BI, Yoon BH. Clinical significance of intra-amniotic inflammation in patients with preterm premature rupture of membranes. *Am J Obstet Gynecol* 2004;191:1339-45.
400. Espinoza J, Goncalves LF, Lee W, Chaiworapongsa T, Treadwell MC, Stites S, Schoen ML, Mazor M, **Romero R**. The use of the minimum projection mode in four-dimensional examination of the fetal heart with spatiotemporal image correlation. *J Ultrasound Med* 2004; 23:1337-48.
401. Goncalves LF, **Romero R**, Espinoza J, Lee W, Treadwell M, Chintala K, Brandl H, Chaiworapongsa T. Four-dimensional ultrasonography of the fetal heart using color Doppler spatiotemporal image correlation. *J Ultrasound Med* 2004;23:473-81.
402. **Romero R**, Chaiworapongsa T, Kuivaniemi H, Tromp G. Bacterial vaginosis, the inflammatory response and the risk of preterm birth: A role for genetic epidemiology in the prevention of preterm birth. *Am J Obstet Gynecol* 2004;190:1509-19.
403. Gomez R, **Romero R**, Nien JK, Chaiworapongsa T, Medina L, Kim YM, Yoon BH, Carstens M, Espinoza J, Iams JD, Gonzalez R. A short cervix in women with preterm labor and intact membranes: a risk factor for microbial invasion of the amniotic cavity. *Am J Obstet Gynecol* 2005;192:678-89.
404. Gomez R, **Romero R**, Medina L, Nien JK, Chaiworapongsa T, Carstens M, Gonzalez R, Espinoza J, Iams JD, Edwin S, Rojas I. Cervicovaginal fibronectin improves the prediction of preterm delivery based upon sonographic cervical length in patients with preterm labor and intact membranes. *Am J Obstet Gynecol* 2005;192:350-9.
405. Lee W, Goncalves LF, Espinoza J, **Romero R**. Inversion mode: a new volume analysis tool for 3-dimensional ultrasonography. *J Ultrasound Med* 2005;24:201-7.
406. Goncalves LF, Espinoza J, Lee W, **Romero R**. Should the frontal bone be visualized in midline sagittal views of the facial profile to assess the fetal nasal bones during the first trimester? *Ultrasound Obstet Gynecol* 2005;25:90-2.
407. Goncalves LF, Espinoza J, Lee W, Mazor M, **Romero R**. Three- and four-dimensional reconstruction of the aortic and ductal arches using inversion mode: a new rendering algorithm for visualization of fluid-filled anatomical structures. *Ultrasound Obstet Gynecol* 2004;24:696-8.

408. Goncalves LF, Espinoza J, Lee W, Nien JK, Hong JS, Santolaya-Forgas J, Mazor M, **Romero R**. A new approach to fetal echocardiography: digital casts of the fetal cardiac chambers and great vessels for the detection of congenital heart disease. *J Ultrasound Med* 2005;24:415-24.
409. Espinoza J, Goncalves LF, **Romero R**, Nien JK, Stites S, Kim YM, Hassan S, Gomez R, Yoon BH, Chaiworapongsa T, Lee W, Mazor M. The prevalence and clinical significance of amniotic fluid “sludge” in patients with preterm labor and intact membranes. *Ultrasound Obstet Gynecol* 2005;25:346-52.
410. Esplin MS, **Romero R**, Chaiworapongsa T, Kim YM, Edwin S, Gomez R, Mazor M, Adashi EY. Monocyte chemotactic protein-1 is increased in the amniotic fluid of women who deliver preterm in the presence or absence of intra-amniotic infection. *J Matern Fetal Neonatal Med* 2005; 17:365-73.
411. Goncalves LF, Espinoza J, **Romero R**, Lee W, Treadwell MC, Huang R, DeVore G, Chaiworapongsa T, Schoen ML, Beyer B. Four-dimensional fetal echocardiography with spatiotemporal image correlation (STIC): a systematic study of standard cardiac views assessed by different observers. *J Matern Fetal Neonatal Med* 2005;17:323-31.
412. Bujold E, Chaiworapongsa T, **Romero R**, Kim YM, Kim GJ, Kim MR, Espinoza J, Goncalves LF, Edwin S, Mazor M. Evidence supporting that the excess of the sVEGFR-1 concentration in maternal plasma in preeclampsia has a uterine origin. *J Matern Fetal Neonatal Med* 2005;18:9-16.
413. Gomez R, **Romero R**, Nien JK, Medina L, Carstens M, Kim YM, Chaiworapongsa T, Espinoza J, Gonzalez R. Idiopathic vaginal bleeding during pregnancy as the only clinical manifestation of intra-uterine infection. *J Maternal Fetal Neonatal Med* 2005;18:31-7.
414. Chaiworapongsa T, **Romero R**, Kim YM, Kim GJ, Kim MR, Espinoza J, Bujold E, Goncalves L, Gomez R, Edwin S, Mazor M. Plasma soluble vascular endothelial growth factor receptor-1 concentration is elevated prior to the clinical diagnosis of preeclampsia. *J Matern Fetal Neonatal Med* 2005;17:3-18.
415. Richani K, Soto E, **Romero R**, Espinoza J, Chaiworapongsa T, Nien JK, Edwin S, Kim YM, Hong JS, Mazor M. Normal pregnancy is characterized by systemic activation of the complement system. *J Matern Fetal Neonatal Med* 2005;17:239-45.
416. Soto E, Richani K, **Romero R**, Espinoza J, Chaiworapongsa T, Nien JK, Edwin S, Kim YM, Hong JS, Goncalves LF, Mazor M. Increased concentration of the complement split product C5a in acute pyelonephritis during pregnancy. *J Matern Fetal Neonatal Med* 2005;17:247-52.
417. Espinoza J, Goncalves LF, Lee W, Mazor M, **Romero R**. A novel method to improve prenatal diagnosis of abnormal systemic venous connections using three- and four-dimensional ultrasonography and “inversion mode”. *Ultrasound Obstet Gynecol*; 2005;25:428-34.
418. Huang JB, Espinoza J, **Romero R**, Petty HR. Transaldolase is part of a supramolecular complex containing glucose-6-phosphate dehydrogenase in human neutrophils that undergoes retrograde trafficking during pregnancy. *Metabolism* 2005;54:1027-33.

419. Soto E, **Romero R**, Richani K, Espinoza J, Nien JK, Chaiworapongsa T, Santolaya-Forgas J, Edwin SS, Mazor M. Anaphylatoxins in preterm and term labor. *J Perinat Med* 2005;33:306-13.
420. Richani K, **Romero R**, Soto E, Espinoza J, Nien JK, Chaiworapongsa T, Refuerzo J, Blackwell S, Edwin SS, Santolaya-Forgas J, Mazor M. Unexplained intrauterine fetal death is accompanied by activation of complement. *J Perinat Med* 2005;33:296-305.
421. Lee W, Vettraino IM, Comstock CH, Lal N, Kazmierczak C, Shetty A, Raff G, Zakalik K, **Romero R**. Prenatal diagnosis of herniated Dandy-Walker cysts. *J Ultrasound Med* 2005;24:841-8.
422. Lee W, Deter RL, McNie B, Goncalves LF, Espinoza J, Chaiworapongsa T, Balasubramaniam M, **Romero R**. The fetal arm: individualized growth assessment in normal pregnancies. *J Ultrasound Med* 2005;24:817-28.
423. Mitchell MD, Chang MC, Chaiworapongsa T, Lan HY, Helliwell RJ, **Romero R**, Sato TA. Identification of 9alpha, 11beta-prostaglandin F2 in human amniotic fluid and characterization of its production by human gestational tissues. *J Clin Endocrinol Metab* 2005;90:4244-8.
424. Farina A, LeShane ES, **Romero R**, Gomez R, Chaiworapongsa T, Rizzo N, Bianchi DW. High levels of fetal cell-free DNA in maternal serum: a risk factor for spontaneous preterm delivery. *Am J Obstet Gynecol* 2005;193:421-5.
425. **Romero R**. Imaging: a discovery tool in obstetrics and gynecology. *Ultrasound Obstet Gynecol* 2005;26:207-13.
426. Varner MW, Noble WD, Dombrowski M, Sibai B, Rouse DJ, Paul R, Caritis SN, Miodovnik M, Moawad A, Iams JD, Witter F, **Romero R**, Leveno K, Meis P, Wapner R, Rosen M, Thurnau G, van Dorsten P, O'Sullivan MJ, Conway D; National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network. Is there a seasonal variation in the diagnosis of oligohydramnios? *J Matern Fetal Neonatal Med* 2005;17:173-7.
427. Mor G, **Romero R**, Aldo PB, Abrahams VM. Is the trophoblast an immune regulator? The role of the Toll-like receptors during pregnancy. *Crit Rev Immunol* 2005;25:375-88.
428. Oh SY, Kim CJ, Park I, **Romero R**, Sohn YK, Moon KC, Yoon BH. Progesterone receptor isoform (A/B) ratio of human fetal membranes increases during term parturition. *Am J Obstet Gynecol* 2005;193:1156-60.
429. Park CW, Park JS, Shim SS, Jun JK, Yoon BH, **Romero R**. An elevated maternal plasma, but not amniotic fluid, soluble fms-like tyrosine kinase-1 (sFlt-1) at the time of mid-trimester genetic amniocentesis is a risk factor for preeclampsia. *Am J Obstet Gynecol* 2005;193:984-9.
430. Hong JS, Santolaya-Forgas J, **Romero R**, Espinoza J, Goncalves LF, Kim YM, Edwin S, Yoon BH, Nien JK, Hassan S, Mazor M. Maternal plasma osteoprotegerin concentration in normal pregnancy. *Am J Obstet Gynecol* 2005;193:1011-5.

431. Kim YM, **Romero R**, Oh SY, Kim CJ, Kilburn BA, Armant DR, Nien JK, Gomez R, Mazor M, Saito S, Abrahams VM, Mor G. Toll-like receptor 4: a potential link between “danger signals,” the innate immune systems and preeclampsia? *Am J Obstet Gynecol* 2005;193:921-7.
432. Quintero RA, Huhta J, Suh E, Chmait R, **Romero R**, Angel J. In utero cardiac fetal surgery: laser atrial septotomy in the treatment of hypoplastic left heart syndrome with intact atrial septum. *Am J Obstet Gynecol* 2005;193:1424-8.
433. Kim GJ, **Romero R**, Kuivaniemi H, Tromp G, Haddad R, Kim YM, Kim MR, Nien JK, Hong JS, Espinoza J, Santolaya J, Yoon BY, Mazor M, Kim CJ. Expression of bone morphogenetic protein 2 in normal spontaneous labor at term, preterm labor and preterm premature rupture of membranes. *Am J Obstet Gynecol* 2005;193:1137-43.
434. Goncalves LF, Lee W, Espinoza J, **Romero R**. Three-and four-dimensional ultrasound in obstetric practice: does it help? *J Ultrasound Med* 2005;24:1599-624.
435. Helliwell RJ, Keelan JA, Marvin KW, Adams L, Chang MC, Anand A, Sato TA, O’Carroll S, Chaiworapongsa T, **Romero R**, Mitchell MD. Gestational age-dependent up-regulation of prostaglandin D synthase (PGDS) and production of PGDS-derived anti inflammatory prostaglandins in human placenta. *J Clin Endocrinol Metab* 2005;91:597-606.
436. Petty HR, Kindzelskii AL, Chaiworapongsa T, Petty AR, **Romero R**. Oxidant release is dramatically increased by elevated glucose concentrations in neutrophils from pregnant women. *J Matern Fetal Neonatal Med* 2005;18:397-404.
437. Harrington P, Vieira NE, Espinoza J, Nien JK, **Romero R**, Yergey AL. Analysis of variance-principal component analysis: A soft tool for proteomic discovery. *Analytica Chimica Acta* 2005;544:118-27.
438. Chaiworapongsa T, **Romero R**, Espinoza J, Kim YM, Edwin S, Bujold E, Gomez R, Kuivaniemi H. Macrophage migration inhibitory factor in patients with preterm parturition and microbial invasion of the amniotic cavity. *J Matern Fetal Neonatal Med* 2005;18:405-16.
439. Garfield RE, Irani AM, Schwartz LB, Bytautiene E, **Romero R**. Structural and functional comparison of mast cells in the pregnant versus nonpregnant human uterus. *Am J Obstet Gynecol.* 2006;194:261-7.
440. Hanna N, Bonifacio L, Weinberger B, Reddy P, Murphy S, **Romero R**, Sharma S. Evidence for interleukin-10-mediated inhibition of cyclo-oxygenase-2 expression and prostaglandin production in preterm human placenta. *Am J Reprod Immunol* 2006;55:19-27.
441. Shim SS, **Romero R**, Jun JK, Moon KC, Kim G, Yoon BH. C-reactive protein concentration in vaginal fluid as a marker for intra-amniotic inflammation/infection in preterm premature rupture of membranes. *J Matern Fetal Neonatal Med* 2005;18:417-22.
442. Abrahams VM, Visintin I, Aldo PB, Guller S, **Romero R**, Mor G. A role for TLRs in the regulation of immune cell migration by first trimester trophoblast cells. *J Immunol* 2005;175:8096-104.

443. **Romero R**, Erez O, Espinoza J. Intrauterine infection, preterm labor and cytokines. *J Soc Gynecol Investig* 2005;12:463-5.
444. Goncalves LF, Espinoza J, **Romero R**, Kusanovic JP, Swope B, Nien JK, Erez O, Soto E, Treadwell MC. Four-dimensional ultrasonography of the fetal heart using a novel Tomographic Ultrasound Imaging display. *J Perinat Med* 2006;34:39-55.
445. Hassan S, **Romero R**, Hendler I, Gomez R, Khalek N, Espinoza J, Nien JK, Berry SM, Bujold E, Camacho N, Sorokin Y. A sonographic short cervix as the only clinical manifestation of intra-amniotic infection. *J Perinat Med* 2006;34:13-9.
446. Espinoza J, Erez O, **Romero R**. Preconceptional antibiotic treatment to prevent preterm birth in women with a previous preterm delivery. *Am J Obstet Gynecol* 2006;194:630-7.
447. Petty HR, Kindzelskii AL, Espinoza J, **Romero R**. Trophoblast contact deactivates human neutrophils. *J Immunol* 2006;176:3205-14.
448. Huang JB, Espinoza J, **Romero R**, Petty HR. Apparent role of dynein in glucose-6-phosphate dehydrogenase trafficking in neutrophils from pregnant women. *Metabolism* 2006;55:279-81.
449. Armant DR, Kilburn BA, Petkova A, Edwin SS, Duniec-Dmuchowski ZM, Edwards HJ, **Romero R**, Leach RE. Human trophoblast survival at low oxygen concentrations requires metalloproteinase-mediated shedding of heparin-binding EGF-like growth factor. *Development* 2006;133:751-9.
450. Goncalves LF, Lee W, Espinoza J, **Romero R**. Examination of the fetal heart by four-dimensional (4D) ultrasound with spatio temporal image correlation (STIC). *Ultrasound Obstet Gynecol* 2006;27:336-48.
451. Soto E, Richani K, Goncalves LF, Devers P, Espinoza J, Lee W, Treadwell MC, **Romero R**. Three-dimensional ultrasound in the prenatal diagnosis of cleidocranial dysplasia associated with B-cell immunodeficiency. *Ultrasound Obstet Gynecol* 2006;27:574-9.
452. Wildman DE, Chen C, Erez O, Grossman LI, Goodman M, **Romero R**. Evolution of the mammalian placenta revealed by phylogenetic analysis. *Proc Natl Acad Sci U S A* 2006;103:3203-8.
453. Santolaya-Forgas J, De Leon-Luis J, Espinoza J, Goncalves LF, **Romero R**. Solutes in maternal circulation and gestational sac compartments during early human development. *Fetal Diagn Ther* 2006;21:287-92.
454. Kusanovic JP, Soto E, Espinoza J, Stites S, Goncalves LF, Santolaya J, Nien JK, Erez O, Sorokin Y, **Romero R**. Cervical varix as a cause of vaginal bleeding during pregnancy: prenatal diagnosis by color Doppler ultrasonography. *J Ultrasound Med* 2006;25:545-9.
455. Haddad R, Tromp G, Kuivaniemi H, Chaiworapongsa T, Kim YM, Mazor M, **Romero R**. Human spontaneous labor without histologic chorioamnionitis is characterized by an acute inflammation gene expression signature. *Am J Obstet Gynecol* 2006;195:394.e1-24.

456. Goncalves LF, Espinoza J, Kusanovic JP, Lee W, Nien JK, Santolaya-Forgas J, Mari G, Treadwell MC, **Romero R**. Applications of 2-dimensional matrix array for 3- and 4-dimensional examination of the fetus: a pictorial essay. *J Ultrasound Med* 2006;25:745-55.
457. Goncalves LF, Nien JK, Espinoza J, Kusanovic JP, Lee W, Swope B, Soto E, Treadwell MC, **Romero R**. What does 2-dimensional imaging add to 3- and 4-dimensional obstetric ultrasonography? *J Ultrasound Med* 2006;25:691-9.
458. Chowdhury MA, Kuivaniemi H, **Romero R**, Edwin S, Chaiworapongsa T, Tromp G. Identification of novel functional sequence variants in the gene for peptidase inhibitor 3. *BMC Med Genet* 2006;7:49.
459. Kindzelskii AL, Clark AJ, Espinoza J, Maeda N, Aratani Y, **Romero R**, Petty HR. Myeloperoxidase accumulates at the neutrophil surface and enhances cell metabolism and oxidant release during pregnancy. *Eur J Immunol* 2006;36:1619-28.
460. Abrahams VM, Schaefer TM, Fahey JV, Visintin I, Wright JA, Aldo PB, **Romero R**, Wira CR, Mor G. Expression and secretion of antiviral factors by trophoblast cells following stimulation by the TLR-3 agonist, Poly(I :C). *Hum Reprod.* 2006;21:2432-9.
461. **Romero R**, Tarca AL, Tromp G. Insights into the physiology of childbirth using transcriptomics. *PLoS Med.* 2006;3:e276.
462. Santolaya-Forgas J, **Romero R**, Wildman DE, Kim CJ, Mahoney M, Mehendale R, Burd L. Relationship between maternal and fetal plasma glucose and insulin concentrations during graded maternal hyperglycemic states in primates. *Am J Perinatol* 2006;23:369-75.
463. Espinoza J, Kusanovic JP, Goncalves LF, Nien JK, Hassan S, Lee W, **Romero R**. A novel algorithm for comprehensive fetal echocardiography using 4-dimensional ultrasonography and tomographic imaging. *J Ultrasound Med* 2006;25:947-56.
464. Venkatesha S, Toporsian M, Lam C, Hanai J, Mammoto T, Kim YM, Bdolah Y, Lim KH, Yuan HT, Libermann TA, Stillman IE, Roberts D, D'Amore PA, Epstein FH, Sellke FW, **Romero R**, Sukhatme VP, Letarte M, Karumanchi SA. Soluble endoglin contributes to the pathogenesis of preeclampsia. *Nat Med* 2006;12:642-9.
465. Tarca AL, **Romero R**, Draghici S. Analysis of microarray experiments of gene expression profiling. *Am J Obstet Gynecol* 2006;195:373-88.
466. Khatri P, Desai V, Tarca AL, Sellamuthu S, Wildman DE, **Romero R**, Draghici S. New Onto-Tools: Promoter-Express, nsSNPCounter and Onto-Translate. *Nucleic Acids Res* 2006;34 (Web Server issue):W626-31.

467. Lee W, Deter RL, McNie B, Powell M, Balasubramaniam M, Goncalves LF, Espinoza J, **Romero R**. Quantitative and morphological assessment of early gestational sacs using three-dimensional ultrasonography. *Ultrasound Obstet Gynecol* 2006;28:255-60.
468. Richani K, **Romero R**, Kim YM, Cushenberry E, Soto E, Han YM, Espinoza J, Kim CJ. Tissue microarray: an effective high-throughput method to study the placental for clinical and research purposes. *J Matern Fetal Neonatal Med* 2006;19:509-15.
469. Kim CJ, Kim JS, Kim YM, Cushenberry E, Richani K, Espinoza J, **Romero R**. Fetal macrophages are not present in the myometrium of women with labor at term. *Am J Obstet Gynecol* 2006;195:829-33.
470. Nien JK, Yoon BH, Espinoza J, Kusanovic JP, Erez O, Soto E, Richani K, Gomez R, Hassan S, Mazor M, Edwin S, Bahado-Singh R, **Romero R**. A rapid MMP-8 bedside test for the detection of intra-amniotic inflammation identifies patients at risk for imminent preterm delivery. *Am J Obstet Gynecol* 2006;195:1025-30.
471. Haddad R, Gould BR, **Romero R**, Tromp G, Farookhi R, Edwin SS, Kim MR, Zingg HH. Uterine transcriptomes of bacteria-induced and ovariectomy-induced preterm labor in mice are characterized by differential expression of arachidonate metabolism genes. *Am J Obstet Gynecol* 2006;195:822-8.
472. Hassan SS, **Romero R**, Haddad R, Hendler I, Khalek N, Tromp G, Diamond MP, Sorokin Y, Malone J Jr. The transcriptome of the uterine cervix before and after spontaneous term parturition. *Am J Obstet Gynecol* 2006;195:778-86.
473. Levine RJ, Lam C, Qian C, Yu KF, Maynard SE, Sachs BP, Sibai BM, Epstein FH, **Romero R**, Thadhani R, Karumanchi SA; CPEP Study Group. Soluble endoglin and other circulating antiangiogenic factors in preeclampsia. *N Engl J Med* 2006;355:992-1005.
474. Ovalle A, **Romero R**, Gomez R, Martinez MA, Nien JK, Ferrand P, Aspillaga C, Figueroa J. Antibiotic administration to patients with preterm labor and intact membranes: is there a beneficial effect in patients with endocervical inflammation? *J Matern Fetal Neonatal Med* 2006;19:453-64.
475. Oh SY, **Romero R**, Shim SS, Park JS, Jun JK, Yoon BH. Fetal plasma cortisol and dehydroepiandrosterone sulfate concentrations in pregnancy and term parturition. *J Matern Fetal Neonatal Med* 2006;19:529-36.
476. Richani K, **Romero R**, Soto E, Nien JK, Cushenberry E, Kim YM, Espinoza J, Kim CJ. Genetic origin and proportion of basal plate surface-lining cells in normal and abnormal pregnancies. *Hum Pathol* 2007;38:269-75.
477. Kim JS, **Romero R**, Cushenberry E, Kim YM, Erez O, Nien JK, Yoon BH, Espinoza J, Kim CJ. Distribution of CD14+ and CD68+ macrophages in the placental bed and basal plate of women with preeclampsia and preterm labor. *Placenta* 2007;28:571-6.

478. Espinoza J, **Romero R**, Nien JK, Kusanovic JP, Richani K, Gomez R, Kim CJ, Mittal P, Gotsch F, Erez O, Chaiworapongsa T, Hassan S. A role of the anti-angiogenic factor sVEGFR-1 in the 'mirror syndrome' (Ballantyne's syndrome). *J Matern Fetal Neonatal Med* 2006;19:607-13.
479. Kim YM, **Romero R**, Chaiworapongsa T, Espinoza J, Mor G, Kim CJ. Dermatitis as a component of the fetal inflammatory response syndrome is associated with activation of Toll-like receptors in epidermal keratinocytes. *Histopathology* 2006;49:506-14.
480. Wang H, Parry S, Macones G, Sammel MD, Kuivaniemi H, Tromp G, Argyropoulos G, Halder I, Shriver MD, **Romero R**, Strauss JF 3rd. A functional SNP in the promoter of the SERPINH1 gene increases risk of preterm premature rupture of membranes in African Americans. *Proc Natl Acad Sci USA* 2006;103:13463-7.
481. Lee SE, **Romero R**, Kim CJ, Shim SS, Yoon BH. Funisitis in term pregnancy is associated with microbial invasion of the amniotic cavity and intra-amniotic inflammation. *J Matern Fetal Neonatal Med* 2006;19:693-7.
482. Espinoza J, **Romero R**, Mee Kim Y, Kusanovic JP, Hassan S, Erez O, Gotsch F, Than NG, Papp Z, Kim CJ. Normal and abnormal transformation of the spiral arteries during pregnancy. *J Perinat Med* 2006;34:447-58.
483. **Romero R**, Espinoza J, Gotsch F, Kusanovic JP, Friel LA, Erez O, Mazaki-Tovi S, Than NG, Hassan S, Tromp G. The use of high-dimensional biology (genomics, transcriptomics, proteomics, and metabolomics) to understand the preterm parturition syndrome. *BJOG* 2006;113:118-35.
484. **Romero R**, Espinoza J, Kusanovic JP, Gotsch F, Hassan S, Erez O, Chaiworapongsa T, Mazor M. The preterm parturition syndrome. *BJOG* 2006;113:17-42.
485. Santolaya-Forgas J, **Romero R**, Mehendale R. The effect of continuous morphine administration on maternal plasma oxytocin concentration and uterine contractions after open fetal surgery. *J Matern Fetal Neonatal Med* 2006;19:231-8.
486. **Romero R**, Espinoza J, Goncalves LF, Kusanovic JP, Friel LA, Nien JK. Inflammation in preterm and term labour and delivery. *Semin Fetal Neonatal Med* 2006;11:317-26.
487. Harrington PB, Vieira NE, Chen P, Espinoza J, Nien JK, **Romero R**, Yergey A. Proteomic analysis of amniotic fluids using analysis of variance-principal component analysis and fuzzy rule-building expert systems applied to matrix-assisted laser desorption/ionization mass spectrometry. *Chemometrics and Intelligent Laboratory Systems* 2006;82:283-93.
488. Fest S, Aldo PB, Abrahams VM, Visintin I, Alvero A, Chen R, Chavez SL, **Romero R**, Mor G. Trophoblast-macrophage interactions: a regulatory network for the protection of pregnancy. *Am J Reprod Immunol* 2007;57:55-66.

489. Goddard KA, Tromp G, **Romero R**, Olson JM, Lu Q, Xu Z, Parimi N, Nien JK, Gomez R, Behnke E, Solari M, Espinoza J, Santolaya J, Chaiworapongsa T, Lenk GM, Volkenant K, Anant MK, Salisbury BA, Carr J, Lee MS, Vovis GF, Kuivaniemi H. Candidate-gene association study of mothers with pre-eclampsia, and their infants, analyzing 775 SNPs in 190 genes. *Hum Hered* 2007;63:1-16.
490. Han YM, **Romero R**, Kim YM, Kim JS, Richani K, Friel LA, Kusanovic JP, Jeanty C, Vitale S, Nien JK, Espinoza J, Kim CJ. Surfactant protein-A mRNA expression by human fetal membranes is increased in histological chorioamnionitis but not in spontaneous labour at term. *J Pathol* 2007;211:489-96.
491. Gomez R, **Romero R**, Nien JK, Medina L, Carstens M, Kim YM, Espinoza J, Chaiworapongsa T, Gonzalez R, Iams JD, Rojas I. Antibiotic administration to patients with preterm rupture of membranes does not eradicate intra-amniotic infection. *J Matern Fetal Neonatal Med* 2007;20:167-73.
492. Espinoza J, Gotsch F, Kusanovic JP, Goncalves LF, Lee W, Hassan S, Mittal P, Schoen ML, **Romero R**. Changes in fetal cardiac geometry with gestation: implications for 3- and 4-dimensional fetal echocardiography. *J Ultrasound Med* 2007;26:437-43.
493. Jeanty C, Nien JK, Espinoza J, Kusanovic JP, Goncalves LF, Qureshi F, Jacques S, Lee W, **Romero R**. Pleural and pericardial effusion: a potential ultrasonographic marker for the prenatal differential diagnosis between congenital diaphragmatic eventration and congenital diaphragmatic hernia. *Ultrasound Obstet Gynecol* 2007;29:378-87.
494. Wang X, Svedin P, Nie C, Lapatto R, Zhu C, Gustavsson M, Sandberg M, Karlsson JO, **Romero R**, Hagberg H, Mallard C. N-acetylcysteine reduces lipopolysaccharide-sensitized hypoxic-ischemic brain injury. *Ann Neurol* 2007;61:263-71.
495. Mittal P, Goncalves LF, Kusanovic JP, Espinoza J, Lee W, Nien JK, Soto E, **Romero R**. Objective evaluation of sylvian fissure development by multiplanar 3-dimensional ultrasonography. *J Ultrasound Med* 2007;26:347-53.
496. Pineles BL, **Romero R**, Montenegro D, Tarca AL, Han YM, Kim YM, Draghici S, Espinoza J, Kusanovic JP, Mittal P, Hassan SS, Kim CJ. Distinct subsets of microRNAs are expressed differentially in the human placentas of patients with preeclampsia. *Am J Obstet Gynecol* 2007; 196:261.e1-6.
497. Ho JT, Lewis JG, O'Loughlin P, Bagley CJ, **Romero R**, Dekker GA, Torpy DJ. Reduced maternal corticosteroid-binding globulin and cortisol levels in pre-eclampsia and gamete recipient pregnancies. *Clin Endocrinol (Oxf)* 2007;66:869-77.
498. Deter RL, Li J, Lee W, Liu S, **Romero R**. Quantitative assessment of gestational sac shape: the gestational sac shape score. *Ultrasound Obstet Gynecol* 2007;29:574-82.
499. Soto E, Espinoza J, Nien JK, Kusanovic JP, Erez O, Richani K, Santolaya-Forgas J, **Romero R**. Human beta-defensin-2: a natural antimicrobial peptide present in amniotic fluid participates in the host response to microbial invasion of the amniotic cavity. *J Matern Fetal Neonatal Med* 2007;20:15-22.

500. Espinoza J, **Romero R**, Nien JK, Gomez R, Kusanovic JP, Goncalves LF, Medina L, Edwin S, Hassan S, Carstens M, Gonzalez R. Identification of patients at risk for early onset and/or severe preeclampsia with the use of uterine artery Doppler velocimetry and placental growth factor. *Am J Obstet Gynecol* 2007;196:326.e1-13.
501. Wolff GS, Chiang PJ, Smith SM, **Romero R**, Armant DR. Epidermal growth factor-like growth factors prevent apoptosis of alcohol-exposed human placental cytotrophoblast cells. *Biol Reprod* 2007;77:53-60.
502. Espinoza J, Kusanovic JP, Kim CJ, Kim YM, Kim JS, Hassan SS, Gotsch F, Gonçalves LF, Erez O, Friel L, Soto E, **Romero R**. An episode of preterm labor is a risk factor for the birth of a small-for-gestational age neonate. *Am J Obstet Gynecol* 2007;196:574.e1-5.
503. Kannan S, Saadani-Makki F, Muzik O, Chakraborty P, Mangner TJ, Janisse J, **Romero R**, Chugani DC. Microglial activation in perinatal rabbit brain induced by intrauterine inflammation: detection with 11C-(R)-PK11195 and small-animal PET. *J Nucl Med* 2007;48:946-54.
504. Aldo PB, Krikun G, Visintin I, Lockwood C, **Romero R**, Mor G. A novel three-dimensional in vitro system to study trophoblast-endothelium cell interactions. *Am J Reprod Immunol* 2007;58:98-110.
505. Friel LA, **Romero R**, Edwin S, Nien JK, Gomez R, Chaiworapongsa T, Kusanovic JP, Tolosa JE, Hassan SS, Espinoza J. The calcium binding protein, S100B, is increased in the amniotic fluid of women with intra-amniotic infection/inflammation and preterm labor with intact or ruptured membranes. *J Perinat Med* 2007;35:385-93.
506. Zhou Y, Bianco K, Huang L, Nien JK, McMaster M, **Romero R**, Fisher SJ. Comparative analysis of maternal-fetal interface in preeclampsia and preterm labor. *Cell Tissue Res* 2007;329:559-69.
507. Espinoza J, Chaiworapongsa T, **Romero R**, Kim YM, Kim GJ, Nien JK, Kusanovic JP, Erez O, Bujold E, Gonçalves LF, Gomez R, Edwin S. Unexplained fetal death: another anti-angiogenic state. *J Matern Fetal Neonatal Med* 2007;20:495-507.
508. Espinoza J, **Romero R**, Kusanovic JP, Gotsch F, Erez O, Lee W, Goncalves LF, Schoen ML, Hassan SS. The role of the sagittal view of the ductal arch in identification of fetuses with conotruncal anomalies using 4-dimensional ultrasonography. *J Ultrasound Med* 2007;26:1181-8.
509. Espinoza J, Hassan SS, Gotsch F, Kusanovic JP, Lee W, Erez O, Goncalves LF, Schoen ML, **Romero R**. A systematic approach to the use of multiplanar display in evaluation of abnormal vascular connections to the fetal heart using four-dimensional (4D) ultrasonography. *J Ultrasound Med* 2007;26:1461-7.
510. Gotsch F, **Romero R**, Espinoza J, Kusanovic JP, Mazaki-Tovi S, Erez O, Than NG, Edwin S, Mazor M, Yoon BH, Hassan SS. Maternal serum concentrations of the chemokine CXCL10/IP-10 are elevated in acute pyelonephritis during pregnancy. *J Matern Fetal Neonatal Med* 2007;20:735-44.

511. Kusanovic JP, Espinoza J, **Romero R**, Hoppensteadt D, Nien JK, Kim CJ, Erez O, Soto E, Fareed J, Edwin S, Chaiworapongsa T, Than NG, Yoon BH, Gomez R, Papp Z, Hassan SS. Plasma protein Z concentrations in pregnant women with idiopathic intrauterine bleeding and in women with spontaneous preterm labor. *J Matern Fetal Neonatal Med* 2007;20:453-63.
512. Kusanovic JP, **Romero R**, Espinoza J, Gotsch F, Edwin S, Chaiworapongsa T, Mittal P, Soto E, Erez O, Mazaki-Tovi S, Than NG, Friel LA, Yoon BH, Mazor M, Hassan SS. Maternal serum soluble CD30 is increased in pregnancies complicated with acute pyelonephritis. *J Matern Fetal Neonatal Med* 2007;20:803-11.
513. Kusanovic JP, **Romero R**, Hassan SS, Gotsch F, Edwin S, Erez O, Mittal P, Mazaki-Tovi S, Soto E, Than NG, Friel LA, Yoon BH, Espinoza J. Maternal serum soluble CD30 is increased in normal pregnancy, but decreased in preeclampsia and small for gestational age pregnancies. *J Matern Fetal Neonatal Med* 2007;20:867-78.
514. Erez O, Hoppensteadt D, **Romero R**, Espinoza J, Goncalves L, Nien JK, Kusanovic JP, Fareed J, Gotsch F, Pineles B, Chaiworapongsa T. Preeclampsia is associated with low concentrations of protein Z. *J Matern Fetal Neonatal Med* 2007;20:661-7.
515. Mittal P, Espinoza J, Hassan S, Kusanovic JP, Edwin SS, Nien JK, Gotsch F, Than NG, Erez O, Mazaki-Tovi S, **Romero R**. Placental growth hormone is increased in the maternal and fetal serum of patients with preeclampsia. *J Matern Fetal Neonatal Med* 2007;20:651-9.
516. Zhu A, Huang JB, Clark A, **Romero R**, Petty HR. 2,5-Deoxyfructosazine, a D-glucosamine derivative, inhibits T-cell interleukin-2 production better than D-glucosamine. *Carbohydr Res* 2007;342:2745-9.
517. Montenegro D, **Romero R**, Pineles BL, Tarca AL, Kim YM, Draghici S, Kusanovic JP, Kim JS, Erez O, Mazaki-Tovi S, Hassan S, Espinoza J, Kim CJ. Differential expression of microRNAs with progression of gestation and inflammation in the human chorioamniotic membranes. *Am J Obstet Gynecol* 2007;197:289.e1-6.
518. Kusanovic JP, Espinoza J, **Romero R**, Goncalves LF, Nien JK, Soto E, Khalek N, Camacho N, Hendler I, Mittal P, Friel LA, Gotsch F, Erez O, Than NG, Mazaki-Tovi S, Schoen ML, Hassan SS. Clinical significance of the presence of amniotic fluid 'sludge' in asymptomatic patients at high risk for spontaneous preterm delivery. *Ultrasound Obstet Gynecol* 2007;30:706-14.
519. **Romero R**, Kusanovic JP, Espinoza J, Gotsch F, Nhan-Chang CL, Erez O, Kim CJ, Khalek N, Mittal P, Goncalves LF, Schaudinn C, Hassan SS, Costerton JW. What is amniotic fluid 'sludge'? *Ultrasound Obstet Gynecol* 2007;30:793-98.
520. Santolaya-Forgas J, Edwin S, Zeiter K, Pitt A, Pineles B, Tarca AL, Espinoza J, Kusanovic JP, Erez O, Wolf R, **Romero R**. The timed-pregnant baboon animal model can be used for determining the role of soluble vascular endothelial growth factor receptors 1 and 2 during development. *J Med Primatol* 2007;36:370-4.
521. Santolaya-Forgas J, Schoff P, **Romero R**. Visual display of prenatal ultrasonographic examinations. *J Ultrasound Med* 2007;26:1633-4.

522. Gotsch F, **Romero R**, Friel L, Kusanovic JP, Espinoza J, Erez O, Than NG, Mittal P, Edwin S, Yoon BH, Kim CJ, Mazaki-Tovi S, Chaiworapongsa T, Hassan SS. CXCL10/IP-10: a missing link between inflammation and anti-angiogenesis in preeclampsia? *J Matern Fetal Neonatal Med* 2007;20:777-92.
523. Nien JK, Mazaki-Tovi S, **Romero R**, Erez O, Kusanovic JP, Gotsch F, Pineles BL, Gomez R, Edwin S, Mazor M, Espinoza J, Yoon BH, Hassan SS. Adiponectin in severe preeclampsia. *J Perinat Med* 2007;35:503-12.
524. Nien JK, Mazaki-Tovi S, **Romero R**, Kusanovic JP, Erez O, Gotsch F, Pineles BL, Friel LA, Espinoza J, Goncalves L, Santolaya J, Gomez R, Hong JS, Edwin S, Soto E, Richani K, Mazor M, Hassan SS. Resistin: a hormone which induces insulin resistance is increased in normal pregnancy. *J Perinat Med* 2007;35:513-21.
525. Nien JK, Mazaki-Tovi S, **Romero R**, Erez O, Kusanovic JP, Gotsch F, Pineles BL, Gomez R, Edwin S, Mazor M, Espinoza J, Yoon BH, Hassan SS. Plasma adiponectin concentrations in non-pregnant, normal and overweight pregnant women. *J Perinat Med* 2007;35:522-31.
526. Tarca AL, Carey VJ, Chen XW, **Romero R**, Draghici S. Machine learning and its applications to biology. *PLoS Comput Biol* 2007;e116.
527. Poursharif B, Korst LM, Macgibbon KW, Fejzo MS, **Romero R**, Goodwin TM. Elective pregnancy termination in a large cohort of women with hyperemesis gravidarum. *Contraception* 2007;76:451-5.
528. Lee SE, **Romero R**, Jung H, Park CW, Park JS, Yoon BH. The intensity of the fetal inflammatory response in intraamniotic inflammation with and without microbial invasion of the amniotic cavity. *Am J Obstet Gynecol* 2007;197:294.e1-6.
529. Kim KW, **Romero R**, Park HS, Park CW, Shim SS, Jun JK, Yoon BH. A rapid matrix metalloproteinase-8 bedside test for the detection of intraamniotic inflammation in women with preterm premature rupture of membranes. *Am J Obstet Gynecol* 2007;197:292.e1-5.
530. Hassan SS, **Romero R**, Tarca AL, Draghici S, Pineles B, Bugrim A, Khalek N, Camacho N, Mittal P, Yoon BH, Espinoza J, Kim CJ, Sorokin Y, Malone J Jr. Signature pathways identified from gene expression profiles in the human uterine cervix before and after spontaneous term parturition. *Am J Obstet Gynecol* 2007;197:250.e1-7.
531. Draghici S, Khatri P, Tarca AL, Amin K, Done A, Voichita C, Georgescu C, **Romero R**. A systems biology approach for pathway level analysis. *Genome Res* 2007;17:1537-45.
532. Wildman DE, Uddin M, Opazo JC, Liu G, Lefort V, Guindon S, Gascuel O, Grossman LI, **Romero R**, Goodman M. Genomics, biogeography and the diversification of placental mammals. *Proc Natl Acad Sci USA* 2007;104:14395-400.
533. Cui Y, Fu W, Sun K, **Romero R**, Wu R. Mapping nucleotide sequences that encode complex binary disease traits with HapMap. *Curr Genomics* 2007;8:307-22.
534. Mittal P, Hassan SS, Espinoza J, Kusanovic JP, Edwin S, Gotsch F, Erez O, Than NG, Mazaki-Tovi S, **Romero R**. The effect of gestational age and labor on placental growth hormone in amniotic fluid. *Growth Horm IGF Res* 2008;18:174-9.

535. Draghici S, Tarca AL, Yu L, Ethier S, **Romero R**. KUTE-BASE: storing, downloading and exporting MIAME-compliant microarray experiments in minutes rather than hours. *Bioinformatics* 2008;24:738-40.
536. Poursharif B, Korst LM, Fejzo MS, MacGibbon KW, **Romero R**, Goodwin TM. The psychosocial burden of hyperemesis gravidarum. *J Perinatol* 2008;28:176-81.
537. Blank V, Hirsch E, Challis JR, **Romero R**, Lye SJ. Cytokine signaling, inflammation, innate immunity and preterm labour – a workshop report. *Placenta* 2008;29:S102-4.
538. Than NG, **Romero R**, Hillermann R, Cozzi V, Nie G, Huppertz B. Prediction of preeclampsia – a workshop report. *Placenta* 2008;29:S83-5.
539. Wang H, Ogawa M, Wood JR, Bartolomei MS, Sammel MD, Kusanovic JP, **Romero R**, Strauss JF 3rd. Genetic and epigenetic mechanisms combine to control MMP1 expression and its association with preterm premature rupture of membranes. *Hum Mol Genet* 2008;17:1087-96.
540. **Romero R**, Schaudinn C, Kusanovic JP, Gorur A, Gotsch F, Webster P, Nhan-Chang CL, Erez O, Kim CJ, Espinoza J, Goncalves LF, Vaisbuch E, Mazaki-Tovi S, Hassan SS, Costerton JW. Detection of a microbial biofilm in intraamniotic infection. *Am J Obstet Gynecol* 2008;198:135.e1-5.
541. **Romero R**, Nien JK, Espinoza J, Todem D, Fu W, Chung H, Kusanovic JP, Gotsch F, Erez O, Mazaki-Tovi S, Gomez R, Edwin S, Chaiworapongsa T, Levine RJ, Karumanchi SA. A longitudinal study of angiogenic (placental growth factor) and anti-angiogenic (soluble endoglin and soluble vascular endothelial growth factor receptor-1) factors in normal pregnancy and patients destined to develop preeclampsia and deliver a small for gestational age neonate. *J Matern Fetal Neonatal Med* 2008;21:9-23.
542. Chaiworapongsa T, **Romero R**, Gotsch F, Espinoza J, Nien JK, Goncalves L, Edwin S, Kim YM, Erez O, Kusanovic JP, Pineles BL, Papp Z, Hassan S. Low maternal concentrations of soluble vascular endothelial growth factor receptor-2 in preeclampsia and small for gestational age. *J Matern Fetal Neonatal Med* 2008;21:41-52.
543. Chaiworapongsa T, Espinoza J, Gotsch F, Kim YM, Kim GJ, Goncalves LF, Edwin S, Kusanovic JP, Erez O, Than NG, Hassan SS, **Romero R**. The maternal plasma soluble vascular endothelial growth factor receptor-1 concentration is elevated in SGA and the magnitude of the increase relates to Doppler abnormalities in the maternal and fetal circulation. *J Matern Fetal Neonatal Med* 2008;21:25-40.
544. Iams JD, **Romero R**, Culhane JF, Goldenberg RL. Primary, secondary, and tertiary interventions to reduce the morbidity and mortality of preterm birth. *Lancet* 2008;371:164-75.
545. Goldenberg RL, Culhane JF, Iams JD, **Romero R**. Epidemiology and causes of preterm birth. *Lancet* 2008;371:75-84.
546. Lee SE, **Romero R**, Park IS, Seong HS, Park CW, Yoon BH. Amniotic fluid prostaglandin concentrations increase before the onset of spontaneous labor at term. *J Matern Fetal Neonatal Med* 2008;21:89-94.

547. Kim SS, **Romero R**, Kim JS, Abbas A, Espinoza J, Kusanovic JP, Hassan S, Yoon BH, Kim CJ. Coexpression of myofibroblast and macrophage markers: novel evidence for an in vivo plasticity of chorioamniotic mesodermal cells of the human placenta. *Lab Invest* 2008;88:365-74.
548. Bytautiene E, Vedernikov YP, Saade GR, **Romero R**, Garfield RE. The effect of a mast cell degranulating agent on vascular resistance in the human placental vascular bed and on the tone of isolated placental vessels. *Reprod Sci* 2008;15:26-32.
549. Wang H, Sammel MD, Tromp G, Gotsch F, Halder I, Shriver MD, **Romero R**, Strauss JF 3rd. A 12-bp deletion in the 5'-flanking region of the SERPINH1 gene affects promoter activity and protects against preterm premature rupture of membranes in African Americans. *Hum Mutat* 2008;29:332.
550. Goodwin TM, Poursharif B, Korst LM, MacGibbon KW, **Romero R**, Fejzo MS. Secular trends in the treatment of hyperemesis gravidarum. *Am J Perinatol* 2008;25:141-7.
551. Espinoza J, **Romero R**, Kusanovic JP, Gotsch F, Lee W, Goncalves LF, Hassan SS. Standardized views of the fetal heart using four-dimensional sonographic and tomographic imaging. *Ultrasound Obstet Gynecol* 2008;31:233-42.
552. Kusanovic JP, Nien JK, Goncalves LF, Espinoza J, Lee W, Balasubramaniam M, Soto E, Erez O, **Romero R**. The use of inversion mode and 3D manual segmentation in volume measurement of fetal fluid-filled structures: comparison with Virtual Organ Computer-Aided Analysis (VOCAL). *Ultrasound Obstet Gynecol* 2008;31:177-86.
553. Lee SE, **Romero R**, Park CW, Jun JK, Yoon BH. The frequency and significance of intraamniotic inflammation in patients with cervical insufficiency. *Am J Obstet Gynecol* 2008;198:633.e1-8.
554. Toft JH, Lian IA, Tarca AL, Erez O, Espinoza J, Eide IP, Bjorge L, Draghici S, **Romero R**, Austgulen R. Whole-genome microarray and targeted analysis of angiogenesis-regulating gene expression (ENG, FLT1, VEGF, PIGF) in placentas from pre-eclamptic and small-for-gestational-age pregnancies. *J Matern Fetal Neonatal Med* 2008;21:267-73.
555. Kim JS, **Romero R**, Kim MR, Kim YM, Friel L, Espinoza J, Kim CJ. Involvement of Hofbauer cells and maternal T cells in villitis of unknown aetiology. *Histopathology* 2008;52:457-64.
556. Uddin M, Goodman M, Erez O, **Romero R**, Liu G, Islam M, Opazo JC, Sherwood CC, Grossman LI, Wildman DE. Distinct genomic signatures of adaptation in pre- and postnatal environments during human evolution. *Proc Natl Acad Sci USA* 2008;105:3215-20.
557. Kim JS, **Romero R**, Tarca AL, LaJeunesse C, Han YM, Kim MJ, Suh YL, Draghici S, Mittal P, Gotsch F, Kusanovic JP, Hassan S, Kim CJ. Gene expression profiling demonstrates a novel role for fetal fibrocytes and the umbilical vessels in human fetoplacental development. *J Cell Mol Med* 2008;12:1317-30.
558. Chen C, Opazo JC, Erez O, Uddin M, Santolaya-Forgas J, Goodman M, Grossman LI, **Romero R**, Wildman DE. The human progesterone receptor shows evidence of adaptive evolution associated with its ability to act as a transcription factor. *Mol Phylogenet Evol* 2008;47:637-49.

559. Lee W, Deter RL, Sameera S, Espinoza J, Goncalves LF, **Romero R**. Individualized growth assessment of fetal thigh circumference using three-dimensional ultrasonography. *Ultrasound Obstet Gynecol* 2008;31:520-8.
560. Kusanovic JP, **Romero R**, Espinoza J, Nien JK, Kim CJ, Mittal P, Edwin S, Erez O, Gotsch F, Mazaki-Tovi S, Than NG, Soto E, Camacho N, Gomez R, Quintero R, Hassan SS. Twin-to-twin transfusion syndrome: an antiangiogenic state? *Am J Obstet Gynecol* 2008;198:382.e1-8.
561. Leach RE, Kilburn BA, Petkova A, **Romero R**, Armant DR. Diminished survival of human cytotrophoblast cells exposed to hypoxia/reoxygenation injury and associated reduction of heparin-binding epidermal growth factor-like growth factor. *Am J Obstet Gynecol* 2008;198:471.e1-7; discussion 471.e7-8.
562. Cui Y, Kang G, Sun K, Qian M, **Romero R**, Fu W. Gene-centric genomewide association study via entropy. *Genetics* 2008;179:637-50.
563. Haddad R, **Romero R**, Gould BR, Tromp G, Gotsch F, Edwin SS, Zingg HH. Angiogenesis gene expression in mouse uterus during the common pathway of parturition. *Am J Obstet Gynecol* 2008;198:539.e1-8.
564. Erez O, **Romero R**, Espinoza J, Fu W, Todem D, Kusanovic JP, Gotsch F, Edwin S, Nien JK, Chaiworapongsa T, Mittal P, Mazaki-Tovi S, Than NG, Gomez R, Hassan SS. The change in concentrations of angiogenic and anti-angiogenic factors in maternal plasma between the first and second trimesters in risk assessment for the subsequent development of preeclampsia and small-for-gestational age. *J Matern Fetal Neonatal Med* 2008;21:279-87.
565. Abrahams VM, Aldo PB, Murphy SP, Visintin I, Koga K, Wilson G, **Romero R**, Sharma S, Mor G. TLR6 modulates first trimester trophoblast responses to peptidoglycan. *J Immunol* 2008;180:6035-43.
566. Parimi N, Tromp G, Kuivaniemi H, Nien JK, Gomez R, **Romero R**, Goddard KA. Analytical approaches to detect maternal/fetal genotype incompatibilities that increase risk of pre-eclampsia. *BMC Med Genet* 2008;9:60.
567. Mazaki-Tovi S, **Romero R**, Kusanovic JP, Erez O, Gotsch F, Mittal P, Than NG, Nhan-Chang CL, Hamill N, Vaisbuch E, Chaiworapongsa T, Edwin SS, Nien JK, Gomez R, Espinoza J, Kendal-Wright C, Hassan SS, Bryant-Greenwood G. Visfatin/Pre-B cell colony-enhancing factor in amniotic fluid in normal pregnancy, spontaneous labor at term, preterm labor and prelabor rupture of membranes: an association with subclinical intrauterine infection in preterm parturition. *J Perinat Med* 2008;36:485-96.
568. Erez O, **Romero R**, Hoppensteadt D, Fareed J, Chaiworapongsa T, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Than NG, Vaisbuch E, Kim CJ, Espinoza J, Mittal P, Hamill N, Nhan-Chang CL, Mazor M, Hassan S. Premature labor: a state of platelet activation? *J Perinat Med* 2008;36:377-87.
569. Lee SE, Han BD, Park IS, **Romero R**, Yoon BH. Evidence supporting proteolytic cleavage of insulin-like growth factor binding protein-1 (IGFBP-1) protein in amniotic fluid. *J Perinat Med* 2008;36:316-23.

570. **Romero R**, Espinoza J, Hassan S, Gotsch F, Kusanovic JP, Avila C, Erez O, Edwin S, Schmidt AM. Soluble receptor for advanced glycation end products (sRAGE) and endogenous secretory RAGE (esRAGE) in amniotic fluid: modulation by infection and inflammation. *J Perinat Med* 2008;36:388-98.
571. Park CW, Lee SM, Park JS, Jun JK, **Romero R**, Yoon BH. The antenatal identification of funisitis with a rapid MMP-8 bedside test. *J Perinat Med* 2008;36:497-502.
572. Hamill N, **Romero R**, Gotsch F, Kusanovic JP, Edwin S, Erez O, Than NG, Mittal P, Espinoza J, Friel LA, Vaisbuch E, Mazaki-Tovi S, Hassan SS. Exodus-1 (CCL20): evidence for the participation of this chemokine in spontaneous labor at term, preterm labor, and intrauterine infection. *J Perinat Med* 2008;36:217-27.
573. Florio P, **Romero R**, Chaiworapongsa T, Kusanovic JP, Torricelli M, Lowry PJ, Petraglia F. Amniotic fluid and umbilical cord plasma corticotrophin-releasing factor (CRF), CRF-binding protein, adrenocorticotropin, and cortisol concentrations in intra-amniotic infection and inflammation at term. *J Clin Endocrinol Metab* 2008;93:3604-9.
574. Madsen-Bouterse SA, Xu Y, Petty HR, **Romero R**. Quantification of O-GlcNAc protein modification in neutrophils by flow cytometry. *Cytometry A* 2008;73:667-72.
575. Bytautiene E, Vedernikov YP, Saade GR, **Romero R**, Garfield RE. IgE-independent mast cell activation augments contractility of nonpregnant and pregnant guinea pig myometrium. *Int Arch Allergy Immunol* 2008;147:140-6.
576. Chaiworapongsa T, Erez O, Mazaki-Tovi S, Kusanovic JP, Vaisbuch E, Gotsch F, Than NG, Mittal P, Kim YM, Camacho N, Edwin S, Gomez R, Hassan SS, **Romero R**. Amniotic fluid heat shock protein 70 concentration in histologic chorioamnionitis, term, and preterm parturition. *J Matern Fetal Neonatal Med* 2008;21:449-61.
577. Gotsch F, **Romero R**, Kusanovic JP, Erez O, Espinoza J, Kim CJ, Vaisbuch E, Than NG, Mazaki-Tovi S, Chaiworapongsa T, Mazor M, Yoon BH, Edwin S, Gomez R, Mittal P, Hassan SS, Sharma S. The anti-inflammatory limb of the immune response in preterm labor, intra-amniotic infection/inflammation, and spontaneous parturition at term: a role for interleukin-10. *J Matern Fetal Neonatal Med* 2008;21:529-47.
578. Than NG, Erez O, Tarca AL, Wildman DE, Edwin SS, Abbas A, Hotra J, Kusanovic JP, Gotsch F, Hassan SS, Espinoza J, Papp Z, **Romero R**. Severe preeclampsia is characterized by increased placental expression of galectin-1. *J Matern Fetal Neonatal Med* 2008;21:429-42.
579. Gotsch F, **Romero R**, Kusanovic JP, Chaiworapongsa T, Dombrowski M, Erez O, Than NG, Mazaki-Tovi S, Mittal P, Espinoza J, Hassan SS. Preeclampsia and small-for-gestational-age are associated with decreased concentrations of a factor involved in angiogenesis: soluble Tie-2. *J Matern Fetal Neonatal Med* 2008;21:389-402.
580. **Romero R**, Espinoza J, Rogers WT, Moser A, Nien JK, Kusanovic JP, Gotsch F, Erez O, Gomez R, Edwin S, Hassan SS. Proteomic analysis of amniotic fluid to identify women with preterm labor and intra-amniotic inflammation/infection: the use of a novel computational method to analyze mass spectrometric profiling. *J Matern Fetal Neonatal Med* 2008;21:367-88.

581. Erez O, **Romero R**, Kim SS, Kim JS, Kim YM, Wildman DE, Than NG, Mazaki-Tovi S, Gotsch F, Pineles B, Kusanovic JP, Espinoza J, Mittal P, Mazor M, Hassan SS, Kim CJ. Over-expression of the thrombin receptor (PAR-1) in the placenta in preeclampsia: a mechanism for the intersection of coagulation and inflammation. *J Matern Fetal Neonatal Med* 2008;21:345-55.
582. **Romero R**, Kusanovic JP, Than NG, Erez O, Gotsch F, Espinoza J, Edwin S, Chefetz I, Gomez R, Nien JK, Sammar M, Pineles B, Hassan SS, Meiri H, Tal Y, Kuhnreich I, Papp Z, Cuckle HS. First trimester maternal serum PP13 in the risk assessment for preeclampsia. *Am J Obstet Gynecol* 2008;199:122e1-11.
583. Porras A, Kozar S, Russanova V, Salpea P, Hirai T, Sammons N, Mittal P, Kim JY, Ozato K, **Romero R**, Howard BH. Developmental and epigenetic regulation of the human TLR3 gene. *Mol Immunol* 2008;46:27-36.
584. Than NG, Kim SS, Abbas A, Han YM, Hotra J, Tarca AL, Erez O, Wildman DE, Kusanovic JP, Pineles B, Montenegro D, Edwin SS, Mazaki-Tovi S, Gotsch F, Espinoza J, Hassan SS, Papp Z, **Romero R**. Chorioamnionitis and increased galectin-1 expression in PPRM - an anti-inflammatory response in the fetal membranes? *Am J Reprod Immunol* 2008;60:298-311.
585. Han YM, **Romero R**, Kim JS, Tarca AL, Kim SK, Draghici S, Kusanovic JP, Gotsch F, Mittal P, Hassan SS, Kim CJ. Region-specific gene expression profiling: novel evidence for biological heterogeneity of the human amnion. *Biol Reprod* 2008;79:954-61.
586. Than NG, **Romero R**, Erez O, Kusanovic JP, Tarca AL, Edwin SS, Kim JS, Hassan SS, Espinoza J, Mittal P, Mazaki-Tovi S, Friel L, Gotsch F, Vaisbuch E, Camacho N, Papp Z. A role for mannose-binding lectin, a component of the innate immune system in pre-eclampsia. *Am J Reprod Immunol* 2008;60:333-45.
587. Mittal P, **Romero R**, Kusanovic JP, Edwin SS, Gotsch F, Mazaki-Tovi S, Espinoza J, Erez O, Nhan-Chang CL, Than NG, Vaisbuch E, Hassan SS. CXCL6 (granulocyte chemotactic protein-2): a novel chemokine involved in the innate immune response of the amniotic cavity. *Am J Reprod Immunol* 2008;60:246-57.
588. Nien JK, **Romero R**, Hoppensteadt D, Erez O, Espinoza J, Soto E, Kusanovic JP, Gotsch F, Kim CJ, Mittal P, Fareed J, Santolaya JF, Chaiworapongsa T, Edwin S, Pineles B, Hassan SS. Pyelonephritis during pregnancy: a cause for an acquired deficiency of protein Z. *J Matern Fetal Neonatal Med* 2008;21:629-37.
589. Gotsch F, **Romero R**, Chaiworapongsa T, Erez O, Vaisbuch E, Espinoza J, Kusanovic JP, Mittal P, Mazaki-Tovi S, Kim CJ, Kim JS, Edwin S, Nhan-Chang CL, Hamill N, Friel L, Than NG, Mazor M, Yoon BH, Hassan SS. Evidence of the involvement of caspase-1 under physiologic and pathologic cellular stress during human pregnancy: a link between the inflammasome and parturition. *J Matern Fetal Neonatal Med* 2008;21:605-16.
590. Chaiworapongsa T, Hong JS, Hull WM, Kim CJ, Gomez R, Mazor M, **Romero R**, Whitsett, JA. The concentration of surfactant protein-A in amniotic fluid decreases in spontaneous human parturition at term. *J Matern Fetal Neonatal Med* 2008;21:652-9.
591. Chaiworapongsa T, Hong JS, Hull WM, **Romero R**, Whitsett JA. Amniotic fluid concentration of surfactant proteins in intra-amniotic infection. *J Matern Fetal Neonatal Med* 2008;21:663-70.

592. Vaisbuch E, **Romero R**, Erez O, Kusanovic JP, Gotsch F, Than NG, Mazaki-Tovi S, Mittal P, Edwin S, Hassan SS. Total hemoglobin concentration in amniotic fluid is increased in intraamniotic infection/inflammation. *Am J Obstet Gynecol* 2008;199:426.e1-7.
593. Goodwin TM, Nwankwo OA, O'Leary LD, O'Leary D, **Romero R**, Korst LM. The first demonstration that a subset of women with hyperemesis gravidarum has abnormalities in the vestibuloocular reflex pathway. *Am J Obstet Gynecol* 2008;199:417.e1-9.
594. Ruddock NK, Shi SQ, Jain S, Moore G, Hankins GD, **Romero R**, Garfield RE. Progesterone, but not 17-alpha-hydroxyprogesterone caproate, inhibits human myometrial contractions. *Am J Obstet Gynecol* 2008;199:391.e1-7.
595. Seong HS, Lee SE, Kang JH, **Romero R**, Yoon BH. The frequency of microbial invasion of the amniotic cavity and histologic chorioamnionitis in women at term with intact membranes in the presence or absence of labor. *Am J Obstet Gynecol* 2008;199:375.e1-5.
596. Saadani-Makki F, Kannan S, Lu X, Janisse J, Dawe E, Edwin S, **Romero R**, Chugani D. Intrauterine administration of endotoxin leads to motor deficits in a rabbit model: a link between prenatal infection and cerebral palsy. *Am J Obstet Gynecol* 2008;199:651.e1-7.
597. Than NG, **Romero R**, Erez O, Weckle A, Tarca AL, Hotra J, Abbas A, Han YM, Kim SS, Kusanovic JP, Gotsch F, Hou Z, Santolaya-Forgas J, Benirschke K, Papp Z, Grossman LI, Goodman M, Wildman DE. Emergence of hormonal and redox regulation of galectin-1 in placental mammals: implication in maternal-fetal immune tolerance. *Proc Natl Acad Sci USA* 2008;105:15819-24.
598. Lampl M, Gotsch F, Kusanovic JP, Espinoza J, Goncalves L, Gomez R, Nien JK, Frongillo EA, **Romero R**. Downward percentile crossing as an indicator of an adverse prenatal environment. *Ann Hum Biol* 2008;35:462-74.
599. Than, NG, Abdul Rahman O, Magenheimer R, Nagy B, Fule T, Hargitai B, Sammar M, Hupuczi P, Tarca AL, Szabo G, Kovalszky I, Meiri H, Sziller I, Rigo J Jr., **Romero R**, Papp Z. Placental protein 13 (galectin-13) has decreased placental expression but increased shedding and maternal serum concentrations in patients presenting with preterm pre-eclampsia and HELLP syndrome. *Virchows Arch* 2008;453:387-400.
600. DiGiulio DB, **Romero R**, Amogan HP, Kusanovic JP, Bik EM, Gotsch F, Kim CJ, Erez O, Edwin S, Relman DA. Microbial prevalence, diversity and abundance in amniotic fluid during preterm labor: a molecular and culture-based investigation. *PLoS ONE* 2008;3:e3056.
601. Mazaki-Tovi S, **Romero R**, Kusanovic JP, Erez O, Vaisbuch E, Gotsch F, Mittal P, Than NG, Nhan-Chang C, Chaiworapongsa T, Edwin S, Camacho N, Nien JK, Hassan SS. Adiponectin multimers in maternal plasma. *J Matern Fetal Neonatal Med* 2008;21:796-815.
602. Nhan-Chang CL, **Romero R**, Kusanovic JP, Gotsch F, Edwin SS, Erez O, Mittal P, Kim CJ, Kim MJ, Espinoza J, Friel LA, Vaisbuch E, Than NG, Mazaki-Tovi S, Hassan SS. A role for CXCL13 (BCA-1) in pregnancy and intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2008;21:763-75.
603. Kusanovic JP, **Romero R**, Mazaki-Tovi S, Chaiworapongsa T, Mittal P, Gotsch F, Erez O, Vaisbuch E, Edwin SS, Than NG, Camacho N, Pacora P, Rogers W, Hassan SS. Resistin in amniotic fluid and its association with intra-amniotic infection and inflammation. *J Matern Fetal Neonatal Med* 2008;21:902-16.

604. Erez O, **Romero R**, Hoppensteadt D, Than NG, Fareed J, Mazaki-Tovi S, Espinoza J, Chaiworapongsa T, Kim SS, Yoon BH, Hassan SS, Gotsch F, Friel L, Vaisbuch E, Kusanovic JP. Tissue factor and its natural inhibitor in pre-eclampsia and SGA. *J Matern Fetal Neonatal Med* 2008;21:855-69.
605. Erez O, Espinoza J, Chaiworapongsa T, Gotsch F, Kusanovic JP, Than NG, Mazaki-Tovi S, Vaisbuch E, Papp Z, Yoon BH, Han YM, Hoppensteadt D, Fareed J, Hassan SS, **Romero R**. A link between a hemostatic disorder and preterm PROM: a role for tissue factor and tissue factor pathway inhibitor. *J Matern Fetal Neonatal Med* 2008;21:732-44.
606. Bujold E, **Romero R**, Kusanovic JP, Erez O, Gotsch F, Chaiworapongsa T, Gomez R, Espinoza J, Vaisbuch E, Mee Kim Y, Edwin S, Pisano M, Allen B, Podust VN, Dalmaso EA, Rutherford J, Rogers W, Moser A, Yoon BH, Barder T. Proteomic profiling of amniotic fluid in preterm labor using two-dimensional liquid separation and mass spectrometry. *J Matern Fetal Neonatal Med* 2008;21:697-713.
607. Kalkunte S, Lai Z, Tewari N, Chichester C, **Romero R**, Padbury J, Sharma S. In vitro and in vivo evidence for lack of endovascular remodeling by third trimester trophoblasts. *Placenta* 2008;29:871-8.
608. Furness DL, Fenech MF, Khong YT, **Romero R**, Dekker GA. One-carbon metabolism enzyme polymorphisms and uteroplacental insufficiency. *Am J Obstet Gynecol* 2008; 199:276.e1-8.
609. Fejzo MS, Ingles SA, Wilson M, Wang W, MacGibbon K, **Romero R**, Goodwin TM. High prevalence of severe nausea and vomiting of pregnancy and hyperemesis gravidarum among relatives of affected individuals. *Eur J Obstet Gynecol Reprod Biol* 2008;141:13-7.
610. Bytautiene E, Vedernikov YP, Maner WL, Saade GR, **Romero R**, Garfield RE. Challenge with ovalbumin antigen increases uterine and cervical contractile activity in sensitized guinea pigs. *Am J Obstet Gynecol* 2008;199:658.e1-6.
611. Imudia AN, Kilburn BA, Petkova A, Edwin SS, **Romero R**, Armant DR. Expression of heparin-binding EGF-like growth factor in term chorionic villous explants and its role in trophoblast survival. *Placenta* 2008;29:784-9.
612. Navath RS, Kurtoglu YE, Wang B, Kannan S, **Romero R**, Kannan RM. Dendrimer-drug conjugates for tailored intracellular drug release based on glutathione levels. *Bioconjug Chem* 2008;19:2446-55.
613. Kalkunte S, Chichester CO, Gotsch F, Sentman CL, **Romero R**, Sharma S. Evolution of non-cytotoxic uterine natural killer cells. *Am J Reprod Immunol* 2008;59:425-32.
614. Lee W, Balasubramaniam M, Deter RL, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. Fractional limb volume - a soft tissue parameter of fetal body composition: validation, technical considerations and normal ranges during pregnancy. *Ultrasound Obstet Gynecol* 2009;33:427-40.
615. Lee W, Balasubramaniam M, Deter RL, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. Fetal growth parameters and birth weight: their relationship to neonatal body composition. *Ultrasound Obstet Gynecol* 2009;33:441-6.

616. Mazaki-Tovi S, **Romero R**, Kusanovic JP, Vaisbuch E, Erez O, Than NG, Chaiworapongsa T, Nhan-Chang CL, Pacora P, Gotsch F, Yeo L, Kim SK, Edwin SS, Hassan SS, Mittal P. Visfatin in human pregnancy: maternal gestational diabetes vis-à-vis neonatal birthweight. *J Perinat Med* 2009;37:218-31.
617. Hou Z, **Romero R**, Uddin M, Than NG, Wildman DE. Adaptive history of single copy genes highly expressed in the term human placenta. *Genomics* 2009;93:33-41.
618. Lee J, Seong HS, Kim BJ, Jun JK, **Romero R**, Yoon BH. Evidence to support that spontaneous preterm labor is adaptive in nature: neonatal RDS is more common in “indicated” than in “spontaneous” preterm birth. *J Perinat Med* 2009;37:53-8.
619. Park CW, Moon KC, Park JS, Jun JK, **Romero R**, Yoon BH. The involvement of human amnion in histologic chorioamnionitis is an indicator that a fetal and an intra-amniotic inflammatory response is more likely and severe: clinical implications. *Placenta* 2009;30:56-61.
620. Tarca AL, Draghici S, Khatri P, Hassan SS, Mittal P, Kim JS, Kim CJ, Kusanovic JP, **Romero R**. A novel signaling pathway impact analysis. *Bioinformatics* 2009;25:75-82.
621. Hirsch E, Filipovich Y, **Romero R**. Failure of E. coli bacteria to induce preterm delivery in the rat. *J Negat Results Biomed* 2009;8:1.
622. Montenegro D, **Romero R**, Kim SS, Tarca AL, Draghici S, Kusanovic JP, Kim JS, Lee DC, Erez O, Gotsch F, Hassan SS, Kim CJ. Expression patterns of microRNAs in the chorioamniotic membranes: a role for microRNAs in human pregnancy and parturition. *J Pathol* 2009;217:113-21.
623. Lampl M, Kusanovic JP, Erez O, Espinoza J, Gotsch F, Goncalves L, Hassan S, Gomez R, Nien JK, Frongillo EA, **Romero R**. Early rapid growth, early birth: accelerated fetal growth and spontaneous late preterm birth. *Am J Hum Biol* 2009;21:141-50.
624. Vaisbuch E, **Romero R**, Kusanovic JP, Erez O, Mazaki-Tovi S, Gotsch F, Kim CJ, Kim JS, Yeo L, Hassan SS. Three dimensional sonographaphy of placental mesenchymal dysplasia and its differential diagnosis. *J Ultrasound Med.* 2009;28:359-68.
625. Murphy SP, Hanna NN, Fast LD, Shaw SK, Berg G, Padbury JF, **Romero R**, Sharma S. Evidence for participation of uterine natural killer cells in the mechanisms responsible for spontaneous preterm labor and delivery. *Am J Obstet Gynecol* 2009;200:308.e1-9.
626. Tarca AL, Draghici S, **Romero R**. Developing classifiers for the detection of cancer using multi-analytes. *Methods Mol Biol* 2009;520:259-72.
627. Lee SM, Lee J, Seong HS, Lee SE, Park JS, **Romero R**, Yoon BH. The clinical significance of a positive Amnisure test in women with term labor with intact membranes. *J Matern Fetal Neonatal Med* 2009;22:305-10.
628. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Kusanovic JP, Erez O, Gotsch F, Chaiworapongsa T, Than NG, Kim SK, Nhan-Chang CL, Jodicke C, Pacora P, Yeo L, Dong Z, Yoon BH, Hassan SS, Mittal P. Maternal serum adiponectin multimers in preeclampsia. *J Perinat Med* 2009;37:349-63.

629. Lee SE, **Romero R**, Kim EC, Yoon BH. A high Nugent score but not a positive culture for genital mycoplasmas is a risk factor for spontaneous preterm birth. *J Matern Fetal Neonatal Med* 2009;22:212-7.
630. Sibai B, **Romero R**, Klebanoff MA, Rice MM, Caritis S, Lindheimer MD, Van Dorsten JP, Landon M, Miodovnik M, Dombrowski M, Meis P; *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network. Maternal plasma concentrations of the soluble tumor necrosis factor receptor 2 are increased prior to the diagnosis of preeclampsia. *Am J Obstet Gynecol* 2009;200:630.e1-8.
631. Lampl M, Kusanovic JP, Erez O, Gotsch F, Espinoza J, Goncalves L, Lee W, Gomez R, Nien JK, Frongillo EA, **Romero R**. Growth perturbations in a phenotype with rapid fetal growth preceding preterm labor and term birth. *Am J Hum Biol* 2009;21:782-92.
632. Mazaki-Tovi S, **Romero R**, Kusanovic JP, Vaisbuch E, Erez O, Than NG, Chaiworapongsa T, Nhan-Chang CL, Pacora P, Gotsch F, Yeo L, Kim SK, Edwin SS, Hassan SS, Mittal P. Maternal visfatin concentration in normal pregnancy. *J Perinat Med* 2009;37:206-17.
633. Kim MJ, **Romero R**, Kim CJ, Tarca AL, Chhauy S, LaJeunesse C, Lee DC, Draghici S, Gotsch F, Kusanovic JP, Hassan SS, Kim JS. Villitis of unknown etiology is associated with a distinct pattern of chemokine up-regulation in the feto-maternal and placental compartments: implications for conjoint maternal allograft rejection and maternal anti-fetal graft-versus-host disease. *J Immunol* 2009;182:3919-27.
634. Koga K, Cardenas I, Aldo P, Abrahams VM, Peng B, Fill S, **Romero R**, Mor G. Activation of TLR3 in the trophoblast is associated with preterm delivery. *Am J Reprod Immunol*. 2009;61:196-212.
635. Ferrell G, Lu M, Stoddard P, Sammel MD, **Romero R**, Strauss JF 3rd, Matthews CA. A single nucleotide polymorphism in the promoter of the LOXL1 gene and its relationship to pelvic organ prolapse and preterm premature rupture of membranes. *Reprod Sci* 2009;16:438-46.
636. Kurtoglu YE, Navath RS, Wang B, Kannan S, **Romero R**, Kannan RM. Poly(amidoamine) dendrimer-drug conjugates with disulfide linkages for intracellular drug delivery. *Biomaterials* 2009;30:2112-21.
637. Hou ZC, **Romero R**, Wildman DE. Phylogeny of the Ferungulata (Mammalia: Laurasiatheria) as determined from phylogenomic data. *Mol Phylogenet Evol* 2009;52:660-4.
638. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Erez O, Mittal P, Chaiworapongsa T, Kim SK, Pacora P, Yeo L, Gotsch F, Dong Z, Yoon BH, Hassan SS, Kusanovic JP. Maternal serum adiponectin multimers in gestational diabetes. *J Perinat Med* 2009;37:637-50.
639. Vaisbuch E, Kusanovic JP, Erez O, Mazaki-Tovi S, Gotsch F, Kim CJ, Kim JS, Chaiworapongsa T, Edwin S, Than NG, Nhan-Chang CL, Mazor M, Mittal P, Hassan SS, **Romero R**. Amniotic fluid fetal hemoglobin in normal pregnancies and pregnancies complicated with preterm labor or prelabor rupture of membranes. *J Matern Fetal Neonatal Med* 2009;22:388-97.
640. Erez O, Gotsch F, Mazaki-Tovi S, Vaisbuch E, Kusanovic JP, Kim CJ, Chaiworapongsa T, Hoppensteadt D, Fareed J, Than NG, Nhan-Chang CL, Yeo L, Pacora P, Mazor M, Hassan SS, Mittal P, **Romero R**. Evidence of maternal platelet activation, excessive thrombin generation, and high amniotic fluid tissue factor immunoreactivity and functional activity in patients with fetal death. *J Matern Fetal Neonatal Med* 2009;22:672-87.

641. Erez O, **Romero R**, Vaisbuch E, Mazaki-Tovi S, Kusanovic JP, Chaiworapongsa T, Than NG, Gotsch F, Kim CJ, Mittal P, Edwin S, Pacora P, Kim SK, Yeo L, Mazor M, Hassan SS. Maternal anti-protein Z antibodies in pregnancies complicated by pre-eclampsia, SGA and fetal death. *J Matern Fetal Neonatal Med* 2009;22:662-71.
642. Vaisbuch E, **Romero R**, Erez O, Mazaki-Tovi S, Kusanovic JP, Soto E, Gotsch F, Dong Z, Chaiworapongsa T, Kim SK, Mittal P, Pacora P, Yeo L, Hassan SS. Fragment Bb in amniotic fluid: evidence for complement activation by the alternative pathway in women with intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2009;22:905-16.
643. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Erez O, Mittal P, Chaiworapongsa T, Kim SK, Pacora P, Yeo L, Gotsch F, Dong Z, Nhan-Chang CL, Jodicke C, Yoon BH, Hassan SS, Kusanovic JP. Dysregulation of maternal serum adiponectin in preterm labor. *J Matern Fetal Neonatal Med* 2009;22:887-904.
644. Kusanovic JP, **Romero R**, Chaiworapongsa T, Erez O, Mittal P, Vaisbuch E, Mazaki-Tovi S, Gotsch F, Edwin SS, Gomez R, Yeo L, Conde-Agudelo A, Hassan SS. A prospective cohort study of the value of maternal plasma concentrations of angiogenic and anti-angiogenic factors in early pregnancy and midtrimester in the identification of patients destined to develop preeclampsia. *J Matern Fetal Neonatal Med* 2009;22:1021-38.
645. Soto E, **Romero R**, Richani K, Yoon BH, Chaiworapongsa T, Vaisbuch E, Mittal P, Erez O, Gotsch F, Mazor M, Kusanovic JP. Evidence for complement activation in the amniotic fluid of women with spontaneous preterm labor and intra-amniotic infection. *J Matern Fetal Neonatal Med* 2009;22:983-92.
646. Erez O, **Romero R**, Vaisbuch E, Chaiworapongsa T, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Gomez R, Maymon E, Pacora P, Edwin SS, Kim CJ, Than NG, Mittal P, Yeo L, Dong Z, Yoon BH, Hassan SS, Mazor M. Changes in amniotic fluid concentration of thrombin-antithrombin III complexes in patients with preterm labor: Evidence of an increased thrombin generation. *J Matern Fetal Med* 2009;22:971-82.
647. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Erez O, Chaiworapongsa T, Mittal P, Kim SK, Pacora P, Gotsch F, Dong Z, Hassan SS, Kusanovic JP. Maternal plasma visfatin in preterm labor. *J Matern Fetal Neonatal Med* 2009;22:693-704.
648. Pacora P, **Romero R**, Chaiworapongsa T, Kusanovic JP, Erez O, Vaisbuch E, Mazaki-Tovi S, Gotsch F, Kim CJ, Than NG, Yeo L, Mittal P, Hassan SS. Amniotic fluid angiopoietin-2 in term and preterm parturition and intra-amniotic infection/inflammation. *J Perinat Med* 2009; 37:503-11.
649. Erez O, **Romero R**, Tarca AL, Chaiworapongsa T, Kim YM, Than NG, Vaisbuch E, Draghici S, Tromp G. Differential expression pattern of genes encoding for anti-microbial peptides in the fetal membranes of patients with spontaneous preterm labor and intact membranes and those with preterm prelabor rupture of the membranes. *J Matern Fetal Neonatal Med* 2009; 22:1103-15.
650. Chaiworapongsa T, **Romero R**, Tarca A, Kusanovic JP, Mittal P, Kim SK, Gotsch F, Erez O, Vaisbuch E, Mazaki-Tovi S, Pacora P, Ogge G, Dong Z, Kim CJ, Yeo L, Hassan SS. A subset of patients destined to develop spontaneous preterm labor has an abnormal angiogenic/anti-angiogenic profile in maternal plasma: evidence in support of pathophysiologic heterogeneity of preterm labor derived from a longitudinal study. *J Matern Fetal Neonatal Med* 2009; 22:1122-39.

651. **Romero R**, Kusanovic JP, Gotsch F, Erez O, Vaisbuch E, Mazaki-Tovi S, Moser AR, Tam S, Leszyk J, Master SR, Juhasz P, Pacora P, Ogge G, Gomez R, Yoon BH, Yeo L, Hassan SS, Rogers WT. Isobaric labeling and tandem mass spectrometry: A novel approach for profiling and quantifying proteins differentially expressed in amniotic fluid in preterm labor with and without intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2010;23:261-80.
652. Wang B, Navath RS, **Romero R**, Kannan S, Kannan R. Anti-inflammatory and anti-oxidant activity of anionic dendrimer-N-acetyl cysteine conjugates in activated microglial cells. *Int J Pharm* 2009;377:159-68.
653. Zhu A, **Romero R**, Petty HR. An enzymatic fluorimetric assay for glucose-6-phosphate: application in an in vitro Warburg-like effect. *Anal Biochem* 2009;388:97-101.
654. Conde-Agudelo A, **Romero R**. Antenatal magnesium sulfate for the prevention of cerebral palsy in preterm infants less than 34 weeks' gestation: a systematic review and metaanalysis. *Am J Obstet Gynecol* 2009;200:595-609.
655. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Erez O, Mittal P, Chaiworapongsa T, Kim SK, Pacora P, Yeo L, Gotsch F, Dong Z, Yoon BH, Hassan SS, Kusanovic JP. Maternal serum adiponectin multimers in patients with a small-for-gestational-age newborn. *J Matern Fetal Neonatal Med* 2009;37:623-35.
656. Kim SK, **Romero R**, Chaiworapongsa T, Kusanovic JP, Mazaki-Tovi S, Mittal P, Erez O, Vaisbuch E, Gotsch F, Pacora P, Yeo L, Gervasi MT, Lamont RF, Yoon BH, Hassan SS. Evidence of changes in the immunophenotype and metabolic characteristics (intracellular reactive oxygen radicals) of fetal, but not maternal, monocytes and granulocytes in the fetal inflammatory response syndrome. *J Matern Fetal Neonatal Med* 2009;37:543-52.
657. Kim MJ, **Romero R**, Gervasi MT, Kim JS, Yoo W, Lee DC, Mittal P, Erez O, Kusanovic JP, Hassan SS, Kim CJ. Widespread microbial invasion of the chorioamniotic membranes is a consequence and not a cause of intra-amniotic infection. *Lab Invest* 2009;89:924-36.
658. Imudia AN, Suzuki Y, Kilburn BA, Yelian FD, Diamond MP, **Romero R**, Armant DR. Retrieval of trophoblast cells from the cervical canal for prediction of abnormal pregnancy: a pilot study. *Hum Reprod* 2009;24:2086-92.
659. Than NG, **Romero R**, Goodman M, Weckle A, Xing J, Dong Z, Xu Y, Tarquini F, Szilagyi A, Gal P, Hou Z, Tarca AL, Kim CJ, Kim JS, Haidarian S, Uddin M, Bohn H, Benirschke K, Santolaya-Forgas J, Grossman LI, Erez O, Hassan SS, Zavodszky P, Papp Z, Wildman DE. A primate subfamily of galectins expressed at the maternal-fetal interface that promote immune cell death. *Proc Natl Acad Sci USA* 2009;106:9731-6.
660. McGowan EC, Kostadinov S, McLean K, Gotsch F, Venturini D, **Romero R**, Lupton AR, Sharma S. Placental IL-10 dysregulation and association with bronchopulmonary dysplasia risk. *Pediatr Res* 2009;66:455-60.
661. Thaxton JE, **Romero R**, Sharma S. TLR9 activation coupled to IL-10 deficiency induces adverse pregnancy outcomes. *J Immunol* 2009;183:1144-54.

662. Than NG, **Romero R**, Tarca AL, Draghici S, Erez O, Chaiworapongsa T, Mee Kim Y, Kim SK, Vaisbuch E, Tromp G. Mitochondrial manganese superoxide dismutase mRNA expression in human chorioamniotic membranes and its association with labor, inflammation, and infection. *J Matern Fetal Neonatal Med* 2009;22:1000-13.
663. Lee SE, Park IS, **Romero R**, Yoon BH. Amniotic fluid prostaglandin F2 increases even in sterile amniotic fluid and is an independent predictor of impending delivery in preterm premature rupture of membranes. *J Matern Fetal Neonatal Med* 2009;22:880-6.
664. Chaiworapongsa T, **Romero R**, Gotsch F, Kusanovic JP, Mittal P, Kim SK, Erez O, Vaisbuch E, Mazaki-Tovi S, Kim CJ, Dong Z, Yeo L, Hassan SS. Acute pyelonephritis during pregnancy changes the balance of angiogenic and anti-angiogenic factors in maternal plasma. *J Matern Fetal Neonatal Med* 2010;23:167-78.
665. Kusanovic JP, **Romero R**, Jodicke C, Mazaki-Tovi S, Vaisbuch E, Erez O, Mittal P, Gotsch F, Chaiworapongsa T, Edwin SS, Pacora P, Hassan SS. Amniotic fluid soluble human leukocyte antigen-G in term and preterm parturition, and intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2009;22:1151-66.
666. Lee J, Oh KJ, Yang HJ, Park JS, **Romero R**, Yoon BH. The importance of intra-amniotic inflammation in the subsequent development of atypical chronic lung disease. *J Matern Fetal Neonatal Med* 2009;22:917-23.
667. Saadani-Makki F, Kannan S, Makki M, Muzik O, Janisse J, **Romero R**, Chugani D. Intrauterine endotoxin administration leads to white matter diffusivity changes in newborn rabbits. *J Child Neurol* 2009;24:1179-89.
668. Kannan S, Balakrishnan B, Muzik O, **Romero R**, Chugani D. Positron emission tomography imaging of neuroinflammation. *J Child Neurol* 2009;24:1190-9.
669. Straszewski-Chavez SL, Abrahams VM, Alvero AB, Aldo PB, Ma Y, Guller S, **Romero R**, Mor G. The isolation and characterization of a novel telomerase immortalized first trimester trophoblast cell line, Swan 71. *Placenta* 2009;30:939-48.
670. Cruciani L, **Romero R**, Vaisbuch E, Kusanovic JP, Chaiworapongsa T, Mazaki-Tovi S, Mittal P, Ogge G, Gotsch F, Erez O, Kim SK, Dong Z, Pacora P, Lamont RF, Yeo L, Hassan SS, Di Renzo GC. Pentraxin 3 in amniotic fluid: a novel association with intra-amniotic infection and inflammation. *J Perinat Med* 2010;38:161-71.
671. Vaisbuch E, **Romero R**, Mazaki-Tovi S, Erez O, Kim SK, Chaiworapongsa T, Gotsch F, Than NG, Dong Z, Pacora P, Lamont RF, Yeo L, Hassan SS, Kusanovic JP. Retinol binding protein 4 – a novel association with early-onset preeclampsia. *J Perinat Med* 2010;38:123-39.
672. Lee W, Comstock CH, Kazmierczak C, Wilson J, Goncalves LF, Mody S, Yeo L, **Romero R**. Prenatal diagnostic challenges and pitfalls for schizencephaly. *J Ultrasound Med* 2009;28:1379-84.
673. Espinoza J, **Romero R**, Kusanovic JP, Gotsch F, Erez O, Hassan S, Yeo L. Prenatal diagnosis of coarctation of the aorta with the multiplanar display and B-flow imaging using 4-dimensional sonography. *J Ultrasound Med* 2009;28:1375-8.

674. Hamill N, **Romero R**, Hassan SS, Lee W, Myers SA, Mittal P, Kusanovic JP, Chaiworapongsa T, Vaisbuch E, Espinoza J, Gotsch F, Carletti A, Goncalves LF, Yeo L. Repeatability and reproducibility of fetal cardiac ventricular volume calculations using spatiotemporal image correlation and virtual organ computer-aided analysis. *J Ultrasound Med* 2009;28:1301-11.
675. Papper Z, Jameson NM, **Romero R**, Weckle AL, Mittal P, Benirschke K, Santolaya-Forgas J, Uddin M, Haig D, Goodman M, Wildman DE. Ancient origin of placental expression in the growth hormone genes of anthropoid primates. *Proc Natl Acad Sci* 2009;106:17083-8.
676. Li S, Lu Q, Fu W, **Romero R**, Cui Y. A regularized regression approach for dissecting genetic conflicts that increase disease risk in pregnancy. *Stat Appl Genet Mol Biol* 2009;8:Article 45.
677. Hassan SS, **Romero R**, Tarca AL, Nhan-Chang CL, Vaisbuch E, Erez O, Mittal P, Kusanovic JP, Mazaki-Tovi S, Yeo L, Draghici S, Kim JS, Uldbjerg N, Kim CJ. The transcriptome of cervical ripening in human pregnancy before the onset of labor at term: Identification of novel molecular functions involved in this process. *J Matern Fetal Neonatal Med*. 2009;22:1183-93.
678. Conde-Agudelo A, **Romero R**. Amniotic fluid embolism: an evidence-based review. *Am J Obstet Gynecol* 2009;201:445.e1-13.
679. Lee W, Krisko A, Shetty A, Yeo L, Hassan SS, Gotsch F, Mody S, Goncalves LF, **Romero R**. Non-invasive fetal lung assessment using diffusion-weighted imaging. *Ultrasound Obstet Gynecol* 2009;34:673-7.
680. Ogge G, **Romero R**, Chaiworapongsa T, Gervasi MT, Pacora P, Erez O, Kusanovic JP, Vaisbuch E, Mazaki-Tovi S, Gotsch F, Mittal P, Kim YM, Hassan SS. Leukocytes of pregnant women with small-for-gestational age neonates have a different phenotypic and metabolic activity from those of women with preeclampsia. *J Matern Fetal Neonatal Med* 2009 (Epub ahead of print).
681. Mittal P, **Romero R**, Mazaki-Tovi S, Tromp G, Tarca AL, Kim YM, Chaiworapongsa T, Kusanovic JP, Erez O, Than NG, Hassan SS. Fetal membranes as an interface between inflammation and metabolism: increased aquaporin 9 expression in the presence of spontaneous labor at term and chorioamnionitis. *J Matern Fetal Neonatal Med* 2009;22:1167-75.
682. Lampl M, Gotsch F, Kusanovic JP, Gomez R, Nien JK, Frongillo EA, **Romero R**. Sex differences in fetal growth responses to maternal height and weight. *Am J Hum Biol* 2009 (Epub ahead of print).
683. **Romero R**, Kusanovic JP, Gomez R, Lamont R, Bytautiene E, Garfield RE, Mittal P, Hassan SS, Yeo L. The clinical significance of eosinophils in the amniotic fluid in preterm labor. *J Matern Fetal Neonatal Med* 210;23:320-9.
684. Mazaki-Tovi S, **Romero R**, Kim SK, Vaisbuch E, Kusanovic JP, Erez O, Chaiworapongsa T, Gotsch F, Mittal P, Nhan-Chang CL, Than NG, Gomez R, Nien JK, Edwin SS, Pacora P, Yeo L, Hassan SS. Could alterations in maternal plasma visfatin concentration participate in the phenotype definition of preeclampsia and SGA? *J Matern Fetal Neonatal Med* 2009 [Epub ahead of print].
685. Gotsch F, **Romero R**, Espinoza J, Kusanovic JP, Erez O, Hassan S, Yeo L. Prenatal diagnosis of truncus arteriosus using multiplanar display in 4D ultrasonography. *J Matern Fetal Neonatal Med* 2010;23:297-307.

686. **Romero R**, Kusanovic JP, Muñoz H, Gomez R, Lamont RF, Yeo L. Allergy-induced preterm labor after the ingestion of shellfish. *J Matern Fetal Neonatal Med* 2010;23:351-9.
687. Navath RS, Wang B, Kannan S, **Romero R**, Kannan RM. Stimuli-responsive star poly (ethylene glycol) drug conjugates for improved intracellular delivery of the drug in neuroinflammation. *J Control Release*. 2010;142:447-56.
688. Gotsch F, **Romero R**, Erez O, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Kim SK, Hassan SS, Yeo L. The preterm parturition syndrome and its implications for understanding the biology, risk assessment, diagnosis, treatment and prevention of preterm birth. *J Matern Fetal Neonatal Med*. 2009;22(S2):5-23.
689. Fejzo MS, Poursharif B, Korst LM, Munch S, MacGibbon KW, **Romero R**, Goodwin TM. Symptoms and pregnancy outcomes associated with extreme weight loss among women with hyperemesis gravidarum. *J Womens Health (Larchmt)* 2009;18:1981-7.
690. Lee W, Balasubramaniam M, Deter RL, Yeo L, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. New fetal weight estimation models using fractional limb volume. *Ultrasound Obstet Gynecol* 2009;34:556-65.
691. Soto E, **Romero R**, Richani K, Espinoza J, Chaiworapongsa T, Nien JK, Edwin SS, Kim YM, Hong JS, Goncalves LF, Yeo L, Mazor M, Hassan SS, Kusanovic JP. Preeclampsia and pregnancies with small-for-gestational age neonates have different profiles of complement split products. *J Matern Fetal Neonatal Med* 2009. [Epub ahead of print].
692. Mazaki-Tovi S, Vaisbuch E, **Romero R**, Kusanovic JP, Chaiworapongsa T, Kim SK, Nhan-Chang CL, Gomez R, Yoon BH, Yeo L, Mittal P, Ogge G, Gonzalez JM, Hassan SS. Maternal plasma concentration of the pro-inflammatory adipokine pre-B-cell-enhancing factor (PBEF)/visfatin is elevated in pregnant patients with acute pyelonephritis. *Am J Reprod Immunol* 2010;63:252-62.
693. Cahill AG, Odibo AO, Caughey AB, Stamilio DM, Hassan SS, Macones GA, **Romero R**. Universal cervical length screening and treatment with vaginal progesterone to prevent preterm birth: a decision and economic analysis. *Am J Obstet Gynecol* 2010. [Epub ahead of print].
694. Madsen-Bouterse SA, **Romero R**, Tarca AL, Kusanovic JP, Espinoza J, Kim CJ, Kim JS, Edwin SS, Gomez R, Draghici S. The transcriptome of the fetal inflammatory response syndrome. *Am J Reprod Immunol* 2010;63:73-92.
695. Jessmon P, Kilburn BA, **Romero R**, Leach RE, Armant DR. Function-specific intracellular signaling pathways downstream of heparin-binding EGF-like growth factor utilized by human trophoblasts. *Biol Reprod* 2010 (Epub ahead of print).
696. Cruciani L, **Romero R**, Vaisbuch E, Kusanovic JP, Chaiworapongsa T, Mazaki-Tovi S, Dong Z, Kim SK, Ogge G, Yeo L, Mittal P, Hassan SS. Pentraxin 3 in maternal circulation: An association with preterm labor and preterm PROM, but not with intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2010;38:161-71.

697. Mazaki-Tovi S, Vaisbuch E, **Romero R**, Kusanovic JP, Chaiworapongsa T, Kim SK, Nhan-Chang CL, Gomez R, Alpay Savasan Z, Madan I, Yoon BH, Yeo L, Mittal P, Ogge G, Gonzalez JM, Hassan SS. Maternal and neonatal circulating visfatin concentrations in patients with preeclampsia and a small-for-gestational age neonate. *J Matern Fetal Neonatal Med* 2010 (Epub ahead of print).
698. Chaiworapongsa T, **Romero R**, Kusanovic JP, Mittal P, Kim SK, Gotsch F, Than NG, Mazaki-Tovi S, Vaisbuch E, Erez O, Yeo L, Hassan SS, Sorokin Y. Plasma soluble endoglin concentration in pre-eclampsia is associated with an increased impedance to flow in the maternal and fetal circulations. *Ultrasound Obstet Gynecol* 2010;35:155-62.
699. Vora S, Abbas A, Kim CJ, Summerfield TL, Kusanovic JP, Iams JD, **Romero R**, Kniss DA, Ackerman WE^{4th}. Nuclear factor-kappa B localization and function within intrauterine tissues from term and preterm labor and cultured fetal membranes. *Reprod Biol Endocrinol* 2010 (Epub ahead of print).
700. Sorokin Y, **Romero R**, Mele L, Wapner RJ, Iams JD, Dudley DJ, Spong CY, Peaceman AM, Leveno KJ, Harper M, Caritis SN, Miodovnik M, Mercer BM, Thorp JM, O'Sullivan MJ, Ramin SM, Carpenter MW, Rouse DJ, Sibai B. Maternal serum interleukin-6, c-reactive protein, and matrix metalloproteinase-9 concentrations as risk factors for preterm birth <32 weeks and adverse neonatal outcomes. *Am J Perinat* 2010 (Epub ahead of print).
701. Vaisbuch E, **Romero R**, Erez O, Mazaki-Tovi S, Kusanovic JP, Soto E, Dong Z, Chaiworapongsa T, Kim SK, Ogge G, Pacora P, Yeo L, Hassan SS. Activation of the alternative pathway of complement is a feature of preterm parturition but not of spontaneous labor at term. *Am J Reprod Immun* 2010 (Epub ahead of print).
702. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Kim SK, Kusanovic JP, Chaiworapongsa T, Mittal P, Dong Z, Pacora P, Yeo L, Hassan SS. Evidence for differential regulation of the adipokine visfatin in the maternal and fetal compartments in normal spontaneous labor at term. *J Perinat Med* 2010 (Epub ahead of print).
703. Oh KJ, Lee SE, Jung H, Kim G, **Romero R**, Yoon BH. Detection of ureaplasmas by the polymerase chain reaction in the amniotic fluid of patients with cervical insufficiency. *J Perinat Med* 2010 (Epub ahead of print).
704. Chaiworapongsa T, **Romero R**, Kusanovic JP, Alpay-Savasan Z, Kim SK, Mazaki-Tovi S, Vaisbuch E, Ogge G, Madan I, Dong Z, Yeo L, Mittal P, Hassan SS. Unexplained fetal death is associated with increased concentrations of antiangiogenic factors in amniotic fluid. *J Matern Fetal Neonatal Med* 2010 (Epub ahead of print).
705. Aldo PB, Mulla MJ, **Romero R**, Mor G, Abrahams VM. Viral ssRNA induces first trimester trophoblast apoptosis through an inflammatory mechanism. *Am J Reprod Immunol* 2010 (Epub ahead of print).
706. Vaisbuch E, **Romero R**, Mazaki-Tovi S, Kusanovic JP, Chaiworapongsa T, Dong Z, Kim SK, Ogge G, Gervasi MT, Hassan SS. Maternal plasma retinol binding protein 4 in acute pyelonephritis during pregnancy. *J Perinat Med* 2010 (Epub ahead of print).
707. Chaiworapongsa T, Kusanovic JP, Alpay-Savasan Z, Mazaki-Tovi S, Kim SK, Vaisbuch E, Tarca AL, Mittal P, Ogge G, Madan I, Dong Z, Yeo L, Hassan SS, **Romero R**. Fetal death: a condition with a dissociation in the concentrations of soluble vascular endothelial growth factor receptor-2 between the maternal and fetal compartments. *J Matern Fetal Neonatal Med* 2010 (Epub ahead of print).

708. Ogge G, **Romero R**, Kusanovic JP, Chaiworapongsa T, Dong Z, Mittal P, Vaisbuch E, Mazaki-Tovi S, Gonzalez JM, Yeo L, Hassan SS. Serum and plasma determination of angiogenic and anti-angiogenic factors yield different results: the need for standardization in clinical practice. *J Matern Fetal Neonatal Med* 2010 (Epub ahead of print).
709. Alpay-Savasan Z, **Romero R**, Chaiworapongsa T, Kusanovic JP, Kim SK, Mazaki-Tovi S, Vaisbuch E, Mittal P, Ogge G, Madan I, Dong Z, Yeo L, Hassan SS. Evidence in support of a role for anti-angiogenic factors in preterm prelabor rupture of membranes. *J Matern Fetal Neonatal Med* 2010 (Epub ahead of print).
710. Madan I, **Romero R**, Kusanovic JP, Mittal P, Chaiworapongsa T, Dong Z, Mazaki-Tovi S, Vaisbuch E, Alpay-Savasan Z, Yeo L, Kim CJ, Hassan SS. The frequency and clinical significance of intra-amniotic infection and/or inflammation in women with placenta previa and vaginal bleeding: an unexpected observation. *J Perinat Med* 2010 (Epub ahead of print).
711. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Kusanovic JP, Chaiworapongsa T, Kim SK, Mittal P, Dong Z, Pacora P, Yeo L, Hassan SS. Retinol-binding protein 4: A novel adipokine implicated in the genesis of LGA in the absence of gestational diabetes mellitus. *J Perinat Med* 2010;38:147-55.
712. Mandruzzato G, Alfirevic Z, Chervenak F, Gruenebaum A, Heimstad R, Heinonen S, Levene M, **Romero R**, Salvesen K, Saugstad O, Skupski D, Thilaganathan B. Guidelines for the management of postterm pregnancy. *J Perinat Med* 2010;38:111-9.
713. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Kusanovic JP, Erez O, Mittal P, Gotsch F, Chaiworapongsa T, Than NG, Kim SK, Pacora P, Yeo L, Dong Z, Hassan SS. Adiponectin in amniotic fluid in normal pregnancy, spontaneous labor at term, and preterm labor: A novel association with intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2010;23:120-30.
714. Kusanovic JP, **Romero R**, Gotsch F, Mittal P, Erez O, Kim CJ, Hassan SS, Espinoza J, Yeo L. Discordant placental echogenicity: a novel sign of impaired placental perfusion in twin-twin transfusion syndrome? *J Matern Fetal Neonatal Med* 2010;23:103-6.
715. Mazaki-Tovi S, **Romero R**, Vaisbuch E, Chaiworapongsa T, Erez O, Mittal P, Kim SK, Gotsch F, Lamont R, Ogge G, Pacora P, Goncalves L, Kim CJ, Gomez R, Espinoza J, Hassan SS, Kusanovic JP. Low circulating maternal adiponectin in patients with pyelonephritis: adiponectin at the crossroads of pregnancy and infection. *J Perinat Med* 2010;38:9-17.
716. Kim SK, **Romero R**, Kusanovic JP, Erez O, Vaisbuch E, Mazaki-Tovi S, Gotsch F, Mittal P, Chaiworapongsa T, Pacora P, Ogge G, Gomez R, Yoon BH, Yeo L, Lamont RF, Hassan SS. The prognosis of pregnancy conceived despite the presence of an intrauterine device (IUD). *J Perinat Med* 2010;38:45-53.
717. Lee SE, **Romero R**, Lee SM, Yoon BH. Amniotic fluid volume in intra-amniotic inflammation with and without culture-proven amniotic fluid infection in preterm premature rupture of membranes. *J Perinat Med* 2010;38:39-44.
718. Zhu A, **Romero R**, Petty HR. A sensitive fluorimetric assay for pyruvate. *Anal Biochem* 2010; 396:146-51.

719. Fejzo MS, **Romero R**, Goodwin TM. Patients with a history of hyperemesis gravidarum have similar symptoms during egg stimulation and develop ovarian hyperstimulation syndrome; case series. *Fertil Steril* 2010;93:267.e9-11.
720. Hassan SS, **Romero R**, Pineles B, Tarca AL, Montenegro D, Erez O, Mittal P, Kusanovic JP, Mazaki-Tovi S, Espinoza J, Nhang-Chang CL, Draghici S, Kim CJ. MicroRNA expression profiling of the human uterine cervix after term labor and delivery. *Am J Obstet Gynecol* 2010;202:80.e1-8.
721. Lee W, Balasubramaniam M, Yeo L, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. Iliac crest angle: a novel sonographic parameter for the prediction of Down syndrome risk during the second trimester of pregnancy. *Ultrasound Obstet Gynecol* 2010;35:163-71.
722. Lee W, Espinoza J, Cutler N, Bronsteen RA, Yeo L, **Romero R**. The 'starfish' sign: a novel sonographic finding with B-flow imaging and spatiotemporal image correlation in a fetus with total anomalous pulmonary venous return. *Ultrasound Obstet Gynecol* 2010;35:124-125.
723. Vaisbuch E, Mazaki-Tovi S, Kusanovic JP, Erez O, Than NG, Kim SK, Dong Z, Gotsch F, Mittal P, Chaiworapongsa T, Pacora P, Yeo L, Hassan SS, **Romero R**. Retinol binding protein 4: An adipokine associated with intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2010;23:111-19.
724. Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Chaiworapongsa T, Gotsch F, Fareed J, Hoppensteadt D, Than NG, Yoon BH, Edwin S, Dong Z, Espinoza J, Mazor M, Hassan SS. High tissue factor activity and low tissue factor pathway inhibitor concentrations in patients with preterm labor. *J Matern Fetal Neonatal Med* 2010;23:23-33.
725. Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Chaiworapongsa T, Gotsch F, Fareed J, Hoppensteadt D, Than NG, Yoon BH, Edwin SS, Dong Z, Espinoza J, Mazor M, Hassan SS. Higher tissue factor activity and lower concentrations of its natural inhibitor in patients with preterm labor. *J Matern Fetal Neonatal Med* 2010;23:23-33.
726. Kusanovic JP, **Romero R**, Chaiworapongsa T, Mittal P, Mazaki-tovi S, Vaisbuch E, Erez O, Gotsch F, Than NG, Edwin SS, Pacora P, Jodicke C, Yeo L, Hassan SS. Amniotic fluid sTREM-1 in normal pregnancy, spontaneous parturition at term and preterm, and intra-amniotic infection/inflammation. *J Matern Fetal Neonatal Med* 2010;23:34-47.
727. Espinoza J, Kusanovic JP, Bahado-Singh R, Gervasi MT, **Romero R**, Lee W, Vaisbuch E, Mazaki-Tovi S, Mittal P, Gotsch F, Erez O, Gomez R, Yeo L, Hassan SS. Should bilateral uterine artery notching be used in the risk assessment for preeclampsia, SGA and gestational hypertension? *J Ultrasound Med* 2010 (in press).
728. Wothe D, Gaziano E, Sunderji S, **Romero R**, Kusanovic JP, Rogers L, Hodges-Savola C, Wassenberg J. Measurement of PLGF and sVEGF R1 in serum: Comparing prototype SVEGF R1 and PIGF assays from Beckman Coulter, Inc. to R&D Systems Microplate Assays. *Hypertens Pregnancy* 2010 (in press).
729. Kim CJ, **Romero R**, Kusanovic JP, Yoo W, Dong Z, Topping V, Gotsch F, Yoon BH, Chi JG, Kim JS. The frequency, clinical significance and pathological features of chronic chorioamnionitis: a major lesion associated with spontaneous preterm birth. *Mod Pathol* 2010 [Epub ahead of print].

730. Soto E, **Romero R**, Vaisbuch E, Erez O, Mazaki-Tovi S, Kusanovic JP, Dong Z, Chaiworapongsa T, Yeo L, Mittal P, Hassan SS. Fragment Bb: evidence for activation of the alternative pathway of the complement system in pregnant women with acute pyelonephritis. *J Matern Fetal Neonatal Med* 2010 [Epub ahead of print].
731. Chaiworapongsa T, **Romero R**, Tarca AL, Kusanovic JP, Gotsch F, Mittal P, Kim SK, Vaisbuch E, Mazaki-Tovi S, Erez O, Dong Z, Kim CJ, Yeo L, Hassan SS. A decrease in maternal plasma concentrations of sVEGFR-2 precedes the clinical diagnosis of preeclampsia. *Am J Obstet Gynecol* 2010 (in press).
732. Vaisbuch E, Hassan SS, Mazaki-Tovi S, Nhan-Chang CL, Kusanovic JP, Chaiworapongsa T, Dong Z, Yeo L, Mittal P, Yoon BH, **Romero R**. Patients with an asymptomatic short cervix (≤ 15 mm) have a high rate of subclinical intra-amniotic inflammation: implications for patient counseling. *Am J Obstet Gynecol* 2010 (in press).
733. Mazaki-Tovi S, Vaisbuch E, **Romero R**, Kusanovic JP, Chaiworapongsa T, Kim SK, Ogge G, Yoon BH, Dong Z, Gonzalez JM, Gervasi MT, Hassan SS. Hyperresistinemia – A novel feature in systemic infection during human pregnancy. *Am J Reprod Immunol* 2010 [Epub ahead of print].
734. **Romero R**, Kadar N, Vaisbuch E, Hassan SS. Maternal death following cardiopulmonary collapse after delivery: amniotic fluid embolism or septic shock due to intrauterine infection? *Am J Reprod Immunol* 2010 [Epub ahead of print].
735. DiGiulio DB, **Romero R**, Kusanovic JP, Gomez R, Kim CJ, Seok KS, Gotsch F, Mazaki-Tovi S, Vaisbuch E, Sanders K, Bik EM, Chaiworapongsa T, Oyarzun E, Relman DA. Prevalence and diversity of microbes in the amniotic fluid, the fetal inflammatory responses and pregnancy outcome in women with preterm pre-labor rupture of membranes. *Am J Reprod Immunol* 2010 [Epub ahead of print].
736. Straszewski-Chavez SL, Abrahams VM, Aldo PB, **Romero R**, Mor G. AKT controls human first trimester trophoblast cell sensitivity to FAS-mediated apoptosis by regulating XIAP expression. *Biol Reprod* 2010;82:146-52.
737. Elflin M, Clark A, Petty HR, **Romero R**. Bi-directional calcium signaling between adjacent leukocytes and trophoblast-like cells. *Am J Reprod Immunol* 2010 [Epub ahead of print].
738. Menjoge AR, Navath RS, Asad A, Kannan S, Kim CJ, **Romero R**, Kannan RM. Transport and biodistribution of dendrimers across human fetal membranes: implications for intravaginal administration of dendrimer-drug conjugates. *Biomaterials* 2010 [Epub ahead of print].
739. Zhu A, **Romero R**, Petty HR. Amplex UltraRed enhances the sensitivity of fluorimetric pyruvate detection. *Anal Biochem* 2010 [Epub ahead of print].
740. **Romero R**, Velez Edwards D, Kusanovic JP, Hassan SS, Mazaki-Tovi S, Vaisbuch E, Kim CJ, Chaiworapongsa T, Pearce BD, Friel LA, Bartlett J, Anant MK, Salisburt BA, Vovis GF, Lee MS, Gomez R, Behnke E, Oyarzun E, Tromp G, Williams SM, Menon R. Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor and intact membranes. *Am J Obstet Gynecol* 2010 (in press).
741. Zhu A, **Romero R**, Huang J-B, Clark A, Petty HR. Maltooligosaccharides from JEG-3 trophoblast-like cells exhibit immunoregulatory properties. *Am J Reprod Immunol* 2010 (in press).

742. Xu Y, Madsen-Bouterse SA, **Romero R**, Hassan SS, Mittal P, Elfline M, Zhu A, Petty HR. Leukocyte pyruvate kinase expression is reduced in normal human pregnancy but not in preeclampsia. *Am J Reprod Immunol* 2010 (in press).
743. DiGiulio DB, Gervasi MT, **Romero R**, Mazaki-Tovi S, Vaisbuch E, Kusanovic JP, Gomez R, Seok KS, Mittal P, Gotsch F, Chaiworapongsa T, Oyarzun E, Kim CJ, Relman DA. Microbial invasion of the amniotic cavity in preeclampsia as assessed by cultivation and sequence-based methods. *J Perinat Med* 2010 (in press).
744. Munch S, Korst LM, Hernandez GD, **Romero R**, Goodwin TM. Health related quality of life in women with nausea and vomiting of pregnancy: The importance of psychosocial context. *J Perinatol* 2010 (in press)
745. DiGiulio DB, Gervasi MT, **Romero R**, Vaisbuch E, Mazaki-Tovi S, Kusanovic JP, Seok KS, Gomez R, Mittal P, Gotsch F, Chaiworapongsa T, Oyarzun E, Kim CJ, Relman DA. Microbial invasion of the amniotic cavity in pregnancies with small-for-gestational-age fetuses. *J Perinat Med* 2010 (in press).
746. Lee SM, **Romero R**, Lee KA, Yang NJ, Joon K, Park CW, Yoon BH. The frequency and risk factors of funisitis and histologic chorioamnionitis in term pregnant women delivered after the spontaneous onset of labor. *J Matern Fetal Neonatal Med* 2010 (in press).
747. **Romero R**, Mazaki-Tovi S, Vaisbuch E, Kusanovic JP, Chaiworapongsa T, Gomez R, Nien JK, Yoon BH, Mazor M, Luo J, Banks D, Ryals J, Beecher C. Metabolomics in premature labor: a novel approach to identify patients at risk for preterm delivery. *J Matern Fetal Neonatal Med* 2010 (in press).
748. Vaisbuch E, **Romero R**, Erez O, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Romero V, Ward C, Chaiworapongsa T, Mittal P, Sorokin Y, Hassan SS. The clinical significance of early (<20 weeks) versus late (20-24 weeks) detection of a sonographic short cervix in asymptomatic women in the mid-trimester. *Ultrasound Obstet Gynecol* 2010 (in press).
749. Lee DC, **Romero R**, Kim CJ, Chaiworapongsa T, Tarca AL, Lee JH, Suh Y-L, Mazaki-Tovi S, Vaisbuch E, Mittal P, Draghici S, Erez O, Kusanovic JP, Hassan SS, Kim J-S. Surfactant protein-A as an anti-inflammatory component in the amnion: implications for human pregnancy. *J Immunol* 2010 (in press).
750. **Romero R**, Chaiworapongsa T, Erez O, Tarca A, Gervasi MT, Kusanovic JP, Mittal P, Ogge G, Vaisbuch E, Mazaki-Tovi S, Dong Z, Kim SK, Yeo L, Hassan SS. An imbalance between angiogenic and anti-angiogenic factors precedes fetal death in a subset of patients: results of a longitudinal study. *J Matern Fetal Neonatal Med* 2010 (in press).
751. Conde-Agudelo A, **Romero R**, Hassan SS, Yeo L. Transvaginal sonographic cervical length for the prediction of spontaneous preterm birth in twin pregnancies: a systematic review and metaanalysis. *Am J Obstet Gynecol* 2010 (in press).
752. Nhan-Chang CL, **Romero R**, Tarca AL, Mittal P, Kusanovic JP, Erez O, Mazaki-Tovi S, Chaiworapongsa T, Hotra J, Than NG, Kim J-S, Hassan SS, Kim CJ. Characterization of the transcriptome of chorioamnionitic membranes at the site of rupture in spontaneous labor at term. *Am J Obstet Gynecol* 2010 (in press).

753. **Romero R**, Friel LA, Velez Edwards D, Kusanovic JP, Hassan SS, Mazaki-Tovi S, Vaisbuch E, Kim CJ, Erez O, Chaiworapongsa T, Pearce BD, Bartlett J, Salisbury BA, Anant MK, Vovis GF, Lee MS, Gomez R, Behnke E, Oyarzun E, Tromp G, Williams SM, Menon R. Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to preterm prelabor rupture of membranes. *Am J Obstet Gynecol* 2010 (in press).
754. Vaisbuch E, **Romero R**, Mazaki-Tovi S, Erez O, Kusanovic JP, Mittal P, Gotsch F, Ward C, Romero V, Chaiworapongsa T, Pacora P, Yeo L, Hassan SS. The risk of impending preterm delivery in asymptomatic patients with a nonmeasurable cervical length in the second trimester. *Am J Obstet Gynecol* 2010 (in press).
755. Digna R, Velez E, **Romero R**, Kusanovic JP, Hassan SS, Mazaki-Tovi S, Vaisbuch E, Kim CJ, Erez O, Chaiworapongsa T, Pearce BD, Bartlett J, Friel LA, Salisbury BA, Anant MK, Vovis GF, Lee MS, Gomez R, Behnke E, Oyarzun E, Tromp G, Menon R, Williams SM. Polymorphisms in maternal and fetal genes encoding for proteins involved in extracellular matrix metabolism alter the risk for small-for-gestational age. *J Matern Fetal Neonatal Med* 2010 (in press).

EDITORIALS, REVIEWS, AND OTHER SCHOLARLY WORK:

1. **Romero R**, Duffy TP. Platelet disorders in pregnancy. *Clin Perinatol* 1980;7:327-48.
2. Jeanty P, **Romero R**, Hobbins JC. Ultrasound equipment: What could the future bring us? *Diagnostic Imaging* 1983;5:94.
3. Reece EA, **Romero R**, Hobbins J. Coagulopathy associated with factor VIII inhibitor. A literature review. *J Reprod Med* 1984;29:53-8.
4. **Romero R**, Jeanty P. The detection of fetal growth disorders. *Semin Ultrasound* 1984;5:130-43.
5. Jeanty P, **Romero R**. Estimation of the gestational age. *Semin Ultrasound* 1984;5:121-24.
6. **Romero R**, Jeanty P, Hobbins JC. Invasive techniques for antenatal diagnosis: chorionic villous biopsy, fetoscopy, and amniocentesis. *Semin Ultrasound* 1984;5:290-309.
7. **Romero R**, Copel J, Jeanty P, Hobbins JC. Non-immune hydrops fetalis. *Clin Diagn Ultrasound* 1986;19:31-52.
8. **Romero R**, Mazor M, Hobbins JC. A critical appraisal of fetal acoustic stimulation as an antenatal test for fetal well-being. *Obstet Gynecol* 1988;71:781-6.
9. Chervenak FA, **Romero R**, Berkowitz RL. Hypertensive disorders of pregnancy. *Hosp. Med.* July, 1988.
10. **Romero R**, Mazor M, Wu YK, Sirtori M, Oyarzun E, Mitchell MD, Hobbins JC. Infection in the pathogenesis of preterm labor. *Semin Perinatol* 1988;12:262-79.
11. **Romero R**, Lockwood C, Oyarzun E. Toxemia: new concepts in an old disease. *Semin Perinatol* 1988;12:302-23.

12. **Romero R**, Oyarzun E, Sirtori M, Hobbins JC. Detection and management of anatomical congenital anomalies. A new obstetric challenge. *Obstet Gynecol Clin North Am* 1988;15:215-36.
13. **Romero R**, Mazor M, Oyarzun E. Role of intra-amniotic infection in preterm labor. *Contemp OB/GYN* 1988;32:94-106.
14. **Romero R**, Mazor M, Oyarzun E. Mechanisms at work when infection triggers preterm labor. *Contemp OB/GYN* 1989;33:133-50.
15. **Romero R**, Avila C, Mazor M, Oyarzun E. Anti-icrobial treatment of patients at risk for preterm delivery. *Contemp OB/GYN* 1989;34:82-92.
16. **Romero R**, Oyarzun E, Avila C, Mazor M. Diagnosis of intra-amniotic infection. *Contemp OB/GYN* 1989;33:99-109.
17. **Romero R**. The detection of central nervous system anomalies with ultrasound. *Video J Obstet Gynecol* 1990;2.
18. Mitchell MD, Branch DW, Lundin-Schiller S, **Romero R**, Daynes RA, Dudley DJ. Immunologic aspects of preterm labor. *Semin Perinatol* 1991;15:210-24.
19. **Romero R**, Ghidini A. Premature rupture of membranes: Relevance and frequency. *Cont OB/GYN* 1993;38:33-44.
20. **Romero R**, Ghidini A. Premature rupture of membranes: Amniotic fluid infection. *Cont OB/GYN* 1993;38:75-80.
21. Ghidini A, **Romero R**. Premature rupture of membranes: Steps in diagnosis. *Cont OB/GYN* 1993;38:25-33.
22. Ghidini A, **Romero R**. PROM at term: Induction versus expectant management. *Cont OB/GYN* 1993;38:79-85.
23. Goncalves LF, **Romero R**. A critical appraisal of the RADIUS study. *The Fetus* 1993;3:8000 7-18.
24. **Romero R**. Editorial: Routine obstetrical ultrasound. *Ultrasound Obstet Gynecol* 1993;3:303-7.
25. **Romero R**. Equal Time. Should ultrasound be routine? *Cont OB/GYN* 1993;38:9.
26. **Romero R**, Mazor M, Munoz H, Gomez R, Galasso M. The preterm labor syndrome. *Ann N Y Acad Sci* 1994;734:414-29.
27. **Romero R**, Munoz H, Gomez R, Galasso M, Sherer D, Cotton D, Mitchell M. Does infection cause premature labor and delivery? *Semin Reprod Endocrinol* 1994;12:227-48.
28. Mazor M, Chaim W, **Romero R**. Preterm labor—a pathological process. *Isr J Obstet Gynecol* 1994;5:92-96.

29. Mazor M, Cohen J, **Romero R**, Ghezzi F, Tolosa J, Gomez R. Cytokines and preterm labor. *Fetal Maternal Med Review* 1995;7:207-33.
30. Mazor M, Chaim W, **Romero R**. Preterm labor syndrome. *Harefuah* 1995;128:111-16.
31. **Romero R**. Prenatal Medicine: the child is the father of the man. *Prenatal and Neonatal Medicine* 1;1996:8-11.
32. Gomez R, **Romero R**, Edwin SS, David C. Pathogenesis of preterm labor and preterm premature rupture of membranes associated with intra-amniotic infection. *Infect Dis Clin North Am* 1997;11:135-76.
33. Mazor M, Chaim W, Maymon E, Hershkowitz R, **Romero R**. The role of antibiotic therapy in the prevention of prematurity. *Clin Perinatol* 1998;25:659-85.
34. **Romero R**. Clinical application of nitric oxide donors and blockers. *Hum Reprod* 1998;13:248-50.
35. **Romero R**, Kuivaniemi H, Tromp G. Functional genomics and proteomics in parturition. *J Clin Endocrinol Metab* 2002;87:2431-4.
36. **Romero R**, Chaiworapongsa T. Premature labor, intra-uterine infection, and the fetal inflammatory response syndrome. *Neoreviews* 2002;3: e73-e85.
37. **Romero R**, Dekker G, Kupferminc M, Saade G, Livingston J, Peaceman A, Mazor M, Yoon BH, Espinoza J, Chaiworapongsa T, Gomez R, Arias F, Sibai B. Can heparin prevent adverse pregnancy outcome? *J Matern Fetal Neonatal Med* 2002;12:1-8.
38. **Romero R**, Espinoza J, Mazor M. Can endometrial infection/inflammation explain implantation failure, spontaneous abortion, and preterm birth after in vitro fertilization? *Fertil Steril* 2004; 82:799-804.
39. **Romero R**. Imaging: a discovery tool in obstetrics and gynecology. *Am J Obstet Gynecol* 2005; 26:207-13.
40. **Romero R**, Erez O, Espinoza J. Intra-uterine infection, preterm labor, and cytokines. *J Soc Gynecol Investig* 2005;463-5.
41. **Romero R**, Garite TJ. Unexpected results of an important trial of vitamins C and E administration to prevent preeclampsia. *Am J Obstet Gynecol* 2006;194:1213-4.
42. **Romero R**, Espinoza J, Goncalves LF, Kusanovic JP, Friel L, Hassan S. The role of inflammation and infection in preterm birth. *Semin Fetal Neonatal Med* 2006;11:317-26.
43. **Romero R**, Espinoza J, Erez O, Hassan S. The role of cervical cerclage in obstetric practice: can the patient who could benefit from this procedure be identified? *Am J Obstet Gynecol*. 2006; 194:1-9. Review.
44. **Romero R**, Tromp G. High-dimensional biology in obstetrics and gynecology: functional genomics in microarray studies. *Am J Obstet Gynecol* 2006;195:360-3.

45. Khoury MJ, **Romero R**. The integration of genomics into obstetrics and gynecology: a HuGE challenge. *Am J Obstet Gynecol* 2006;195:1503-5.
46. Lindheimer MD, **Romero R**. Emerging roles of anti-angiogenic and angiogenic proteins in pathogenesis and prediction of preeclampsia. *Hypertension* 2007;50:35-6.
47. **Romero R**, Espinoza J, Goncalves LF, Kusanovic JP, Friel L, Hassan S. The role of inflammation and infection in preterm birth. *Semin Reprod Med* 2007;25:21-39.
48. **Romero R**, Garite TJ, Kim MH, Bump RC, Carson SA, DiSaia PJ, Gabbe SG, Iams JD, Kilpatrick SJ, Macones GA, Zuspan F, Quilligan E. Taking the American Journal of Obstetrics & Gynecology into the 21st century. *Am J Obstet Gynecol* 2007;196:1-2.
49. Gotsch F, **Romero R**, Kusanovic JP, Mazaki-Tovi S, Pineles BL, Erez O, Espinoza J, Hassan SS. The fetal inflammatory response syndrome. *Clin Obstet Gynecol* 2007;50:652-83.
50. **Romero R**. Prevention of spontaneous preterm birth: the role of sonographic cervical length in identifying patients who may benefit from progesterone treatment. *Ultrasound Obstet Gynecol* 2007;30:675-86.
51. Mazaki-Tovi S, **Romero R**, Kusanovic JP, Erez O, Pineles BL, Gotsch F, Mittal P, Than NG, Espinoza J, Hassan SS. Recurrent preterm birth. *Semin Perinatol* 2007;31:142-158.
52. **Romero R**, Gotsch F, Pineles B, Kusanovic JP. Inflammation in pregnancy: its roles in reproductive physiology, obstetrical complications, and fetal injury. *Nutr Rev* 2007;65:S194-202.
53. **Romero R**, Garite TJ. Twenty percent of very preterm neonates (23-32 weeks of gestation) are born with bacteremia caused by genital mycoplasmas. *Am J Obstet Gynecol* 2008;198:1-3.
54. **Romero R**, Ville Y, Dirk Timmerman MD, PhD. Editor of *Ultrasound in Obstetrics and Gynecology*, 2005-2008. *Ultrasound Obstet Gynecol*. 2008;32: 972-4.
55. Than NG, **Romero R**, Hillermann R, Cozzi V, Nie G, Huppertz B. Prediction of preeclampsia – a workshop report. *Placenta* 2008;29:S83-5.
56. Yeo L, **Romero R**. Sonographic evaluation in the second stage of labor to improve the assessment of labor progress and its outcome. *Ultrasound Obstet Gynecol*. 2009;33:253-8.

LETTERS TO THE EDITOR:

1. Kadar N, **Romero R**. HCG assays and ectopic pregnancy. *Lancet* 1981 30;1205-6.
2. Naftolin F, **Romero R**. H2-receptor antagonists and sexual differentiation. *Gastroenterology* 1984;87:248-9.
3. Kadar N, **Romero R**. The gestational sac and hCG levels. *Am J Roentgenol* 1986;146:1098-9.

4. Kadar N, **Romero R**. Abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels. *Radiology* 1986;161:854-5.
5. Jeanty P, **Romero R**, Hobbins JC. Nomogram for the biventricular dimension of the fetal heart. *J Ultrasound Med* 1986;5:351-3.
6. Kadar N, **Romero R**. hCG determinations in early pregnancy. *Fertil Steril* 1987;47:722-4.
7. Kadar N, **Romero R**. Serial human chorionic gonadotropin measurements in ectopic pregnancy. *Am J Obstet Gynecol* 1988;158:1239-40.
8. Kadar N, **Romero R**. Discriminatory human chorionic gonadotropin zone "demilitarized." *Am J Obstet Gynecol* 1989;160:1255-7.
9. Grannum PA, Ghidini A, Scioscia A, Copel JA, **Romero R**, Hobbins JC. Assessment of fetal renal reserve in low level obstructive uropathy. *Lancet* 1989;i:281-2.
10. Quintero RA, **Romero R**, Mahoney MJ, Vecchio M, Holden J, Hobbins JC. Hemorrhagic lesions on the human fetus after chorionic villous sampling. *Lancet* 1992 Jan 18;339:193.
11. **Romero R**. Is genital colonization with mycoplasma hominis or Ureaplasma urealyticum associated with prematurity/low birth weight? Letter to the Editor. *Obstet Gynecol* 1989;74:679-80.

BOOKS:

1. Jeanty P, **Romero R**. *Obstetrical Ultrasound*. New York: McGraw Hill, 1984.
2. **Romero R**, Pilu G, Jeanty P, Ghidini A, Hobbins JC. *Prenatal Diagnosis of Congenital Anomalies*. New York: Appleton-Century-Croft, 1988.
3. Fleischer AC, James A, Manning F, Jeanty P, **Romero R**. (eds.). *The Principles and Practice of Ultrasonography in Obstetrics and Gynecology*. 4th edition. Norwalk, CT: Appleton and Lange, 1991.
4. Fleischer AC, James A, Manning F, Jeanty P, **Romero R**. (eds.). *The Principles and Practice of Ultrasonography in Obstetrics and Gynecology*. 5th edition. Norwalk, CT: Appleton and Lange, 1996.
5. Elder MG, **Romero R**, Lamont RF. (eds.) *Preterm Labor*. London: Churchill Livingstone, 1997.
6. Fleischer AC, James A, Manning F, Jeanty P, **Romero R**. (eds.). *The Principles and Practice of Ultrasonography in Obstetrics and Gynecology*. 6th edition. New York, NY: McGraw-Hill, 2000.

7. Gratacos E, Gomez R, Nicolaides K, **Romero R**, Cabero L. (eds). *Medicina Fetal*. Editorial Medica Panamericana, 2007.
8. Brosens I, Pinjenborg R, **Romero R**. *Placental Bed Disorders – Basic Science and its Translation to Obstetrics*. Cambridge University Press (in Press).
9. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).

CHAPTERS:

1. **Romero R**. Patient Management Problems. In: DeCherney, A.H. (ed.). *Obstetrics and Gynecology*, 1980.
2. **Romero R**. In: Berkowitz RL, Coustan DR, Mochizuki TK (eds.). *Handbook for Prescribing Medications During Pregnancy*. Boston: Little, Brown, 1981; pp. 28-9, 65-7, 87-8, 131-2, 195-8, 210-3, 214-7.
3. Cabrol D, Huszar G, **Romero R**, Naftolin F. Gestational changes in the rat uterine cervix: protein, collagen and glycosaminoglycan content. In: Elwood DA, Anderson ABM (eds.). *The Cervix in Pregnancy and Labour*. Edinburgh: Churchill Livingstone, 1981; pp. 34-9.
4. **Romero R**. First trimester vaginal bleeding. In: Queenan JT, Hobbins JC (eds.). *Protocols for High-Risk Pregnancies*. Oradell NJ: Medical Economics Books, 1982; pp. 196-200.
5. **Romero R**. The management of prolonged gestation. In: Warshaw JB, Hobbins JC (eds.). *Principles and Practice of Perinatal Medicine: Maternal-Fetal and Newborn Care*. Menlo Park CA: Addison-Wesley Publishing Co., Inc., 1983; pp. 180-96.
6. **Romero R**, Hobbins JC, Mahoney MJ. Fetal blood sampling and fetoscopy. In: Milunsky A (ed.). *Genetic disorders and the fetus*. New York: Plenum Publishing Corporation, 1986; pp. 571-98.
7. Jeanty P, **Romero R**, Hobbins JC. Routine use. In: McGahan JP (ed.). *Clinics in Diagnostic Ultrasound Vol 20. Controversies in Ultrasound*. New York: Churchill Livingstone, 1987; pp. 113-22.
8. **Romero R**, Lockwood C. The use of anti-asthmatic drugs in pregnancy. In: Niebyl JR (ed.). *Drug Use in Pregnancy*. Philadelphia: Lea & Febiger, 1988; pp. 67-82.
9. **Romero R**, Jeanty P, Hobbins JC. Sonographic evaluation of the pregnancy in the first trimester. In: Berkowitz RL (ed.). *Contemporary Issues in Obstetrics and Gynecology*. Vol 3. *Obstetrical Ultrasonography and Gynecologic Oncology*. New York: Churchill Livingstone, 1988; pp. 3-40.
10. **Romero R**, Winn HN. Coagulopathies in obstetrics. In: Charles D, Glover DD (eds.). *Current Therapy in Obstetrics*. New York: B.C. Decker Inc, 1988; pp. 222-36.

11. **Romero R**, Sirtori M. The prenatal diagnosis of skeletal dysplasia. In: Hobbins JC, Benacerraf BR (eds.). *Diagnosis and Therapy of Fetal Anomalies*. New York: Churchill Livingstone, 1989; pp. 163-202.
12. **Romero R**, Quintero R, Avila C. Intra-uterine growth retardation. In: Quilligan EJ, Zuspan FP (eds.). *Current Therapy in Obstetrics and Gynecology*. 3rd ed. Philadelphia: W.B. Saunders, 1990; pp. 241-8.
13. Kadar N, **Romero R**. Ectopic pregnancy. In: Boehm FH, Eden RD (eds.). *Fetal Assessment: Physiological, Clinical and Medico-Legal Principles*. Norwalk, CT: Appleton & Lange, 1990; pp. 575-99.
14. Rosenfield AT, Rigsby CM, Burns PN, **Romero R**. In: Pollack HM (ed.). *Clinical Urography: An Atlas and Textbook of Urological Imaging*. Philadelphia: W.B. Saunders, 1990; pp. 319-86.
15. **Romero R**, Pupkin M, Oyarzun E, Avila C, Moretti M. Amniocentesis. In: Fleischer A, **Romero R**, Manning F, Jeanty P, Jones E (eds.). *The Principles and Practice of Ultrasonography in Obstetrics and Gynecology*. 4th ed. Norwalk, CT: Appleton & Lange, 1991; pp. 439-54.
16. **Romero R**, Athanassiadis A, Sirtori M, Inati M. Fetal skeletal anomalies. In: Fleischer A, **Romero R**, Manning F, Jeanty P, Jones E (eds.). *The Principles and Practice of Ultrasonography in Obstetrics and Gynecology*. 4th ed. Norwalk, CT: Appleton & Lange, 1991; pp. 277-306.
17. **Romero R**, Athanassiadis A, Inati M. Fetal blood sampling. In: Fleischer A, **Romero R**, Manning F, Jeanty P, Jones E (eds.). *The Principles and Practice of Ultrasonography in Obstetrics and Gynecology*. 4th ed. Norwalk, CT: Appleton & Lange, 1991; pp. 455-74.
18. **Romero R**, Pilu G, Ghidini A, Hobbins JC. Prenatal diagnosis of congenital anomalies of the central nervous system. In: Putman CE, Ravin CE (eds.). *Textbook of Diagnostic Imaging*. 2nd ed. Philadelphia: W.B. Saunders, 1990; pp. 1964-80.
19. Wang YN, Chou JC, Chang D, Chang JK, Avila C, **Romero R**. Endothelin-1 in human plasma and amniotic fluid. In: Rubanyi GM, Vanhoutte PM (eds.). *Endothelium-Derived Contracting Factors*. Houston: P.M. Vanhoutte, 1990; pp. 143-8.
20. **Romero R**, Avila C, Brekus CA, Mazor M. The role of systemic and intra-uterine infection in preterm parturition. In: Garfield RE (ed.). *Uterine Contractility: Mechanisms of Control*. Norwell, MA: Sero Symposia, 1990; pp. 319-53.
21. **Romero R**, Avila C, Brekus CA, Morotti R. The role of systemic and intra-uterine infection in preterm parturition. In: Bulletti C, Gursipide E (eds.). *The Primate Endometrium*. Annals of the New York Academy of Sciences. Vol 622. New York: The New York Academy of Sciences, 1991; pp. 355-75.
22. **Romero R**, Quintero R, Brekus C. Assessment of gestational age. In: Divon MY (ed.). *Abnormal Fetal Growth*. New York: Elsevier Science Publishing Co Inc, 1991; pp. 47-65.

23. **Romero R**, Ghidini A, Mazor M, Behnke E. Microbial Invasion of the Amniotic Cavity in Premature Rupture of Membranes. In: Pitkin R, Scott J (eds.). *Clinical Obstetrics and Gynecology*. Pennsylvania: J.B. Lippincott Co Inc, 1991; pp. 769-78.
24. **Romero R**, Sepulveda W, Kenney JS, Archer LE, Allison AC, Sehgal PB. Interleukin 6 determination in the detection of microbial invasion of the amniotic cavity. In: 1992 Polyfunctional cytokines: IL-6 and LIF (Ciba Foundation Symposium 167). Chichester, UK: Wiley, 1992; 205-23.
25. **Romero R**, Ghidini A. Premature rupture of the membranes. In: Reece EA, Hobbins JC, Mahoney MJ, Petrie R (eds.). *Principles and Practice of Fetal-Maternal Medicine*. Philadelphia: JB Lippincott, 1992; 1430-68.
26. **Romero R**, Nores J. Fetal skeletal anomalies. In: Reece EA, Hobbins JC, Mahoney MJ, Petrie R (eds.). *Principles and Practice of Fetal-Maternal Medicine*. Philadelphia: JB Lippincott 1992; 578-616.
27. **Romero R**, Ghidini A, Sepulveda W, Quintero R, Santolaya J. Fetal blood sampling. In: Milunsky A (ed.). *Genetic Disorders and the Fetus: Diagnosis, Prevention and Treatment*. 3rd ed. Baltimore: Johns Hopkins University Press, 1992; 649-82.
28. **Romero R**, Mazor M, Gomez R, Gonzalez R, Galasso M, Cotton D. Cervix, incompetence and premature labor. *The Fetus*. 1993;3:1-10.
29. Behrman HR, **Romero R**. Eicosanoids, peroxides, and oxygen radicals. In: Yen, Jaffe (eds.). *Reproductive Endocrinology*. Philadelphia: W.B. Saunders (published).
30. **Romero R**, Avila C, Sepulveda W. The role of systemic and intra-uterine infection in preterm labor. In: Fuchs A-R, Stubblefield PG (eds). *Preterm Birth: Causes, Prevention, and Management*. 2nd ed. New York: McGraw Hill, 1993; 97-136.
31. **Romero R**, Gomez R, Baumann P, Mazor M, and Cotton D. The role of the infection and cytokines in preterm parturition. In: Chwalisz K and Garfield RE, eds. *Basic Mechanism Controlling Term and Preterm Birth*. Schering Workshop Series. Springer-Verlag, Heidelberg, Germany 1994; vol 7. pp.197-240.
32. DeCherney AH, **Romero R**. Ectopic pregnancy. In: Sciarra JJ (ed.). *Gynecology and Obstetrics*. Philadelphia: J.B. Lippincott (published).
33. Mitchell MD, Adamson S, Coulam C, **Romero R**, Lundin-Schiller S, and Trautman MD. The roles and regulation of prostaglandins within the uterus. In: Garfield RE and Tabb TN (eds.). *Control of Uterine Contractility*. Boca Raton: CRC Press 1992.
34. Mitchell MD, Trautman MS, **Romero R**, and Dudley DJ. Cytokines in Reproduction. In: *Local Systems in Reproduction*. Ares-Serono Symposia. New York: Raven Press, New York 1992.
35. Gomez R, Ghezzi F, **Romero R**, Munoz H, Tolosa JE, Rojas I. Premature labor and intra-amniotic infection. Clinical aspects and role of cytokines in diagnosis and pathophysiology. *Clin Perinat* 1995;22:281-342.

36. **Romero R**, Goncalves L, Ghezzi F, Munoz H, Cohen J, Gomez R, Mazor M. Doppler Velocimetry of the Uteroplacental Circulation. In: Fleischer A, Manning F, Jeanty P, Romero R. (eds.) *Sonography in Obstetrics and Gynecology: Principles and Practice*. Stamford, CT: Appleton & Lange. 1996; 5: pp. 311-27.
37. **Romero R**, Goncalves L, Ghezzi F, Cohen J, Gomez R, Mazor M. Prenatal Detection of Anatomic Congenital Anomalies. In: Fleischer A, Manning F, Jeanty P, Romero R. (eds.) *Sonography in Obstetrics and Gynecology: Principles and Practice*. Stamford, CT: Appleton & Lange. 1996; pp. 343-73.
38. Pilu G, **Romero R**, Gabrielli S, Rizzo N, Perolo A, Bovicelli L. Prenatal Diagnosis of Cerebrospinal Anomalies. In: Fleischer A, Manning F, Jeanty P, Romero R. (eds.) *Sonography in Obstetrics and Gynecology: Principles and Practice*. Stamford, CT: Appleton & Lange. 1996; pp. 375-91.
39. Sherer D, Ghezzi F, Cohen J, **Romero R**. Fetal Skeletal Anomalies. In: Fleischer A, Manning F, Jeanty P, Romero R. (eds.) *Sonography in Obstetrics and Gynecology: Principles and Practice*. Stamford, CT: Appleton & Lange. 1996; pp. 447-91.
40. **Romero R**, Goncalves L, Ghezzi F, Gomez R, Cohen J, Mazor M. Amniocentesis. In: Fleischer A, Manning F, Jeanty P, Romero R. (eds.) *Sonography in Obstetrics and Gynecology: Principles and Practice*. Stamford, CT: Appleton & Lange. 1996; pp. 629-57.
41. Ghidini A, Munoz H, **Romero R**. Fetal Blood Sampling. In: Fleischer A, Manning F, Jeanty P, Romero R. (eds.) *Sonography in Obstetrics and Gynecology: Principles and Practice*. Stamford, CT: Appleton & Lange. 1996; pp. 659-91.
42. **Romero R**, Gomez R, Mazor M, Ghezzi F, Yoon BH. The preterm labor syndrome. In: Elder M, Romero R, Lamont R. (eds.). *Preterm Labor*. London: Churchill Livingstone, 1997; pp. 29-49.
43. Gomez R, **Romero R**, Mazor M, Ghezzi F, David C, Yoon BH. The role of infection in preterm labor and delivery. In: Elder M, Romero R, Lamont R. (eds.). *Preterm Labor*. London: Churchill Livingstone, 1997; pp. 85-125.
44. Mazor M, Chaim W, Maymon E, Hershkowitz R, **Romero R**. The Role of Antibiotic Therapy In The Prevention of Prematurity. *Clinics in Perinatol*. W.B. Saunders, Philadelphia. 1998;25(3); pp. 659-85.
45. Maymon E, **Romero R**, and Nores J. Fetal skeletal anomalies. In: Reece EA., Hobbins JC. (eds.) *Medicine of the Fetus and Mother*. Philadelphia: J.B. Lippincott, 1998; pp. 601-42.
46. **Romero R**, Athayde N, Maymon E, Pacora P, Bahado-Singh R. Premature rupture of the membranes. In: Reece EA., Hobbins JC. (eds.), *Medicine of the Fetus and Mother*. Philadelphia: J.B. Lippincott.1998; pp. 1581-1625.

47. Athayde N, Maymon E, **Romero R**. Premature rupture of the fetal membranes. In: Ransom SB, McNeeley G, Munkarah AR, Dombrowski MP, Moghissi K. (eds.). *Practical Strategies in Obstetrics and Gynecology*. Philadelphia: J.B. Lippincott, 1998; pp. 256-300.
48. Pilu G, **Romero R**, Jeanty P. Skeletal anomalies. In: Rodeck, Whittle (eds.) *Fetal Medicine. Basic Science and Clinical Practice*. London: Churchill Livingstone, 1999; pp. 715-36.
49. Maymon E, **Romero R**, Nores J. Fetal skeletal anomalies. In: Reece EA, Hobbins JC (eds) *Medicine of the Fetus and Mother*. J.B. Lippincott, Philadelphia, 1999; pp. 601-42.
50. **Romero R**, Athayde N, Maymon E, Pacora P, Bahado-Singh R. Premature rupture of the membranes. In: Reece EA, Hobbins JC (eds). *Medicine of the Fetus and Mother*. J.B. Lippincott, Philadelphia, 1999; pp. 1581-1625.
51. Winn HN, **Romero R**. Coagulopathies in obstetrics. In: *Clinical Maternal-Fetal Medicine*. Winn HN, Hobbins JC (eds). Parthenon Publishing, New York, NY. 2000; 135-56.
52. Maymon E, **Romero R**. Fetal Skeletal Anomalies. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 445-506.
53. Ghezzi F, **Romero R**, Maymon E, Redman M, Blackwell S, Berry SM. Fetal blood sampling. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 775-804.
54. Gervasi MT, **Romero R**, Maymon E, Pacora P, Jeanty P. Ultrasound examination of the uterine cervix during pregnancy. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 821-41.
55. Goncalves LF, **Romero R**, Gervasi MT, Maymon E, Pacora P, Pilu G. Doppler velocimetry of the uteroplacental circulation. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 285-313.
56. Gonçalves LF, **Romero R**, Maymon E, Pacora P, Bianco K, Jeanty P. Prenatal detection of anatomic congenital anomalies. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 341-73.
57. Maymon E, **Romero R**, Pacora P, Gervasi MT, Ghezzi F. Amniocentesis. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 741-74.
58. Pilu G, **Romero R**, Gabrielli S, Perolo A, Bovicelli L. Prenatal diagnosis of cerebrospinal anomalies. In: Fleischer A, Manning F, Jeanty P, Romero R (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*, 6th Edition. New York: McGraw-Hill 2001; pp. 375-88.

59. Goncalves LF, Maymon E, Yoon, BH, **Romero R**. The role of infection in the etiology of cerebral palsy. In: *Ultrasonography of the Prenatal and Neonatal Brain*. Timor IE (ed) McGraw-Hill Publishers, New York, NY 2001; pp. 497-508.
60. Chaiworapongsa T, Espinoza J, Kalache K, Gervasi MT, **Romero R**. Sonographic examination of the uterine cervix. In: *The Fetus as a Patient*. Chervenak F (ed) Parthenon Publishing 2002; pp. 90-117.
61. **Romero R**, Chaiworapongsa T, Gervasi MT. Fetal and maternal responses to intra-uterine infection. In: *Fetal and Neonatal Physiology*, 3rd edition. Polin RA, Fox WW, Abman SH (eds). Saunders Publishing, Philadelphia, PA; 2004, pp. 131-42.
62. **Romero R**, Espinoza J, Mazor M, Chaiworapongsa T. The preterm parturition syndrome. In: *Preterm Birth*. Critchley H, Bennett P, Thornton S (eds). RCOG Press, London; 2004; pp. 28-60.
63. **Romero R**, Chaiworapongsa T, Goncalves LF. Oxytocin antagonists for tocolysis. In: *Preterm Birth*. Critchley H, Bennett P, Thornton S (eds). RCOG Press, London; 2004; pp. 308-32.
64. **Romero R**, Espinoza J, Santolaya J, Chaiworapongsa T, Mazor M. Term and preterm parturition. In: *Immunology of Pregnancy*. Mor G (ed). Springer Verlag, New York. 2006; pp. 253-93.
65. **Romero R**, Goncalves LF, Chaiworapongsa T, Kusanovic JP, Espinoza J. Mechanisms of preterm labor and preterm premature rupture of the membranes. In: Kurjak A, Chervenak F, (eds). *Textbook of Perinatal Medicine*, 2nd Edition. Taylor and Francis. 2006; pp. 1379-93.
66. Espinoza J, **Romero R**, Goncalves LF, Kusanovic JP, Nien JK. Assessment of risk for preterm birth in asymptomatic patients and those with preterm labor. In: Kurjak A, Chervenak F, (eds). *Textbook of Perinatal Medicine*, 2nd Edition. Taylor and Francis. 2006; pp. 1417-30.
67. Goncalves LF, **Romero R**, Espinoza J, Kusanovic JP, Soto E. Mechanisms of the initiation of human parturition. In: Kurjak A, Chervenak F (eds). *Textbook of Perinatal Medicine*, 2nd Edition. Taylor and Francis. 2006; pp. 1363-78.
68. **Romero R**, Espinoza J, Goncalves LF, Kusanovic JP, Gomez R. The Fetal Inflammatory Response Syndrome. In: Peebles D, Myatt L (eds). *Inflammation and Pregnancy*, 1st Edition. Informa Healthcare, 2006; pp. 149-172.
69. Goncalves LF, Devers P, Espinoza J, **Romero R**. Fetal skeletal anomalies. In: Reece A, Hobbins J (eds). *Clinical Obstetrics: The Fetus and Mother*, 3rd Edition. Blackwell Publishing; 2007; pp. 401-72.
70. Santolaya-Forgas J, **Romero R**, Espinoza J, Erez O, Friel L, Kusanovic JP, Bahado-Singh R, Nien JK. Prelabor rupture of the membranes. In: Reece A, Hobbins J (eds). *Clinical Obstetrics: The Fetus and Mother*, 3rd Edition. Blackwell Publishing. 2007; pp. 1130-88.
71. **Romero R**, Gomez R, Mazor M, Yoon BH, Espinoza J. Syndrome de respuesta inflamatoria fetal. In: Gratacos E, Gomez R, Romero R, Nicolaidis KH, Cabero L (eds). *Medicina Fetal*, Editorial Medica Panamericana, S.A. 2007; pp.555-8.

72. Swope B, Goncalves LF, Kusanovic JP, Nien JK, **Romero R**. Tumores fetales. In: Gratacos E, Gomez R, **Romero R**, Nicolaides KH, Cabero L (eds). *Medicina Fetal*, Editorial Medica Panamericana, S.A. 2007; pp. 617-28.
73. Petty HR, **Romero R**, Olsen L, Kummer U. Dynamic instabilities within living leutrophils. In: *Introduction to Systems Biology*: Choi S (ed) 2007; pp. 319-335.
74. **Romero R**, Gomez R, Mazor M, Yoon BH, Espinoza J. Sindrome de parto premature: relevancia clinica y etiologia. In: Gratacos E, Gomez R, Romero R, Nicolaides KH, Cabero L (eds). *Medicina Fetal*, Editorial Medica Panamericana, S.A. 2007; pp.723-35.
75. Gonçalves LF, Espinoza J, Kusanovic JP, Lee W, **Romero R**. Four-dimensional ultrasound examination of the fetal heart by spatiotemporal image correlation (STIC). In: *Fetal Cardiology*, 2nd Edition: Yagel, Gembruch & Silverman, December, 2008.
76. Espinoza J, **Romero R**, Gotsch F, Kusanovic JP, Erez O, Yoon BH, Hassan S. Infection, inflammation, and brain injury. In: *Fetal and Neonatal Neurology and Neurosurgery*, 4th Edition: Levene, Chervenak (eds) 2009; pp. 385-395.
77. Bytautiene E, **Romero R**, Garfield R. Uterine mast cells and their role in control of allergy-induced premature labor. In: Jung JF, Scholz LT. *Mast Cells: Roles, Interactions, and Disorders*. Nova Science Publishers, 2008; pp. 243-262.
78. **Romero R**, Lockwood C. Pathogenesis of Spontaneous Preterm Labor. In: *Creasy & Resnik's Maternal-Fetal Medicine*, 6th Edition: Creasy, Resnik, Iams, Lockwood, Moore, 2008; pp. 521-543.
79. Iams JD, **Romero R**, Creasy RK. Preterm Labor and Birth. In: *Creasy & Resnik's Maternal-Fetal Medicine*, 6th Edition: Creasy, Resnik, Iams, Lockwood, Moore, 2008; pp. 545-582.
80. **Romero R**, Chaiworapongsa T, Gervasi MT. Fetal and Maternal Responses to Intrauterine Infection. In: Nevius J (Editor). *Fetal and Neonatal Physiology*, 4th Edition. Elsevier Ltd. In Press, 2009.
81. Pilu G, Nicolaides KH, Meizner I, **Romero R**, Sepulveda W. Prenatal diagnosis of fetal anomalies. In: Wladimiroff JW, Eik-Nes, SH (Editors). *European Practice in Gynaecology and Obstetrics: Ultrasound in Obstetrics ad Gynecology*. Elsevier Ltd, 2009; pp.157-208.
82. **Romero R**, Gotsch F, Mazaki-Tovi S, Kusanovic JP. Inflammation and Infection. In: Bevan M, editor. *Preterm Birth: Prevention and Management*. Wiley-Blackwell. 2010;57-78.
83. **Romero R**, Gotsch F, Erez O, Vaisbuch E, Kusanovic JP. Fetal and Maternal Response to Intrauterine Infection. In: Polin RA, Fox WW, Abman S (Editors). *Fetal and Neonatal Physiology*. Elsevier Ltd. 2010 (in press).
84. Mazaki-Tovi S, Kusanovic JP, Vaisbuch E, **Romero R**. Resistin in Amniotic Fluid. In: Preedy VR (Editor). *Modern Insights into Disease from Molecules to Man: Adipokines*. Science Publishers. 2009 (in press).

85. Gotsch F, Cruciani L, Ghezzi F, Ogge G, Yeo L, **Romero R**. Doppler Interrogation of the Fetal Circulation. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).
86. Yeo L, Goncalves LF, **Romero R**, Gervasi MT, Pacora P. Doppler Velocimetry of the Uteroplacental Circulation. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).
87. Yeo L, **Romero R**, Kim SK, Goncalves LF. Fetal Anomalies: Overview. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).
88. Yeo L, **Romero R**, Gotsch F, Vaisbuch E, Pilu G. Fetal Skelatal Anomalies. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).
89. Hassan SS, Chaiworapongsa T, Vaisbuch E, Gervasi MT, **Romero R**. Yeo L, **Romero R**, Kim SK, Goncalves LF. Sonographic Examination of the Uterine Cervix. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).
90. Ghezzi F, Cromi A, Gotsch F, Siesto G, **Romero R**. Fetal Blood Sampling. Fleischer AC, Manning F, Jeanty P, **Romero R**, Toy EC, Lee W. (eds). *Sonography in Obstetrics and Gynecology: Principles and Practice*. 7th edition. New York, NY: McGraw-Hill, 2010 (in press).

REFERENCES TO WORK:

Fetal Infection Triggers Systemic Inflammation, Preterm Labor. In: *Ob.Gyn. News*; August 1, 2002; 37:4.

EDUCATIONAL MATERIALS:

Romero R. Preterm Labor. Interactions: Programs in Clinical Decision Making, American College of Obstetricians and Gynecologists, Vol. 3, No. 5/6, Sept-Dec 1990.

Chaiworapongsa T, Espinoza J, Kalache K, **Romero R**. The clinical significance of a short cervix and the role of cervical cerclage in the prevention of prematurity. *Postgraduate Obstetrics & Gynecology*, Vol. 22, No. 21, October 2002.

ABSTRACTS (last five years):

Leach RE, Kilburn BA, Petkova A, **Romero R**, Armant DR. A positive feedback loop induced by hypoxia regulates trophoblast secretion of heparin binding EGF-like growth factor (HB-EGF). 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Oral presentation). J Soc Gynecol Investig 2005;12:180A (Abstract 300).

Chou D, Ma Y, Nien JK, **Romero R**, Parry S. Cytomegalovirus: a common cause of failed placental invasion and spontaneous preterm labor? 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 2005;12:328A (Abstract 766).

Soto E, Richani K, **Romero R**, Espinoza J, Chaiworapongsa T, Nien JK, Edwin SS, Kim WM, Hong JS, Goncalves LF, Mazor M. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 2005;12:317A (Abstract 729).

Kim GJ, Kim YM, Cushenberry E, Nien JK, Kim CJ, Yoon BH, Espinoza J, Mazor M, **Romero R**. Decreased expression of silencing of cytokine signaling (SOCS) proteins by trophoblast in spontaneous human parturition at term. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 2005;12:230A (Abstract 455).

Hassan SS, **Romero R**, Sorokin Y, Nikita L, Russell E, Blackwell SC, Whitty JE, Hallak M. The anti-angiogenic factor soluble VEGF receptor-1 (sFlt-1) is not present in the cerebrospinal fluid of women with preeclampsia. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 2005;12:151A (Abstract 207).

Espinoza J, Nien JK, Edwin SS, Medina L, Gomez R, Mazor M, **Romero R**. Identification of patients at risk for the development of early onset preeclampsia with uterine artery Doppler velocimetry and the determination of plasma angiogenic and anti-angiogenic factors. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 12:150A (Abstract 206).

Richani K, Soto E, **Romero R**, Espinoza J, Chaiworapongsa T, Nien JK, Edwin SS, Kim YM, Hong JS, Goncalves LF, Mazor M. Preeclampsia and SGA differ in the maternal plasma complement split products profile. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 12:148A (Abstract 198).

Espinoza J, Nien JK, Edwin SS, Medina L, Gomez R, Mazor M, **Romero R**. A low placental growth factor concentration in maternal plasma at 23-24 weeks of gestation in patients with an abnormal uterine artery Doppler velocimetry increases the risk of fetal growth restriction. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 12:115A (Abstract 94).

Abrahams VM, Straszewski-Dhavez SL, Bole-Aldo P, **Romero R**, Mor G. Trophoblast cells regulate an immune response through TLR-4 induced cytokine production. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Oral presentation). J Soc Gynecol Investig 2005;12:306A (Abstract 695).

Wang H, Parry S, Macones G, Sammel M, Kuivaniemi H, Tromp G, **Romero R**, Shriver M, Strauss JF. An African-American specific polymorphism in the promoter of the fetal serpinh1 gene encoding HSP47 is a risk factor for PPROM. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Oral presentation). J Soc Gynecol Investig 2005;12:289A (Abstract 643).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Endogenous mast cell degranulation increases tension of isolated human chorionic plate vessels. 52nd Annual Meeting of the Society for Gynecologic Investigation, March, 2005. (Poster presentation). J Soc Gynecol Investig 2005;12:333A (Abstract 782).

Lee W, Balasubramiam M, Chutkay I, Deter RL, Goncalves LF, Espinoza J, **Romero R**. The lack of accuracy and precision of fetal weight estimation with ultrasound: A systematic study identifies statistical pitfalls in commonly used formulae. American Institute of Ultrasound in Medicine Annual Meeting, Orlando, FL, June 2005.

Goncalves LF, Espinoza J, Lee W, Nien JK, Hong JS, Santolaya-Forgas J, Treadwell MC, Mazor M, **Romero R**. A new approach to fetal echocardiography: digital casts of the fetal cardiac chambers and great vessels for the detection of congenital heart disease. American Institute of Ultrasound in Medicine Annual Meeting, Orlando, FL, June 2005. (Poster presentation).

Lee W, Goncalves LF, Espinoza J, **Romero R**. "Inversion Mode": A new image analysis tool for three-dimensional ultrasonography. American Institute of Ultrasound in Medicine Annual Meeting, Orlando, FL, June 2005.

Lee W, Balasubramiam M, Powell MD, Goncalves LF, Espinoza J, **Romero R**. Can fetal lung maturity be predicted using sonographic tissue characterization? American Institute of Ultrasound in Medicine Annual Meeting, Orlando, FL, June 2005.

Espinoza J, Goncalves LF, Lee W, Nien JK, Mazor M, **Romero R**. A novel method to improve prenatal diagnosis of abnormal systemic venous connections: 3D/4D inversion mode. American Institute of Ultrasound in Medicine Annual Meeting, Orlando, FL, June 2005.

Lee W, Balasubramianiam M, McNie B, Chutkay I, Deter RL, Goncalves LF, Espinoza J, **Romero R**. Validation of fetal weight estimation models: A review of the world's literature. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Poster presentation).

Lee W, Balasubramianiam M, McNie B, Chutkay I, Deter RL, Goncalves LF, Espinoza J, **Romero R**. Epidemiologic and statistical pitfalls in prediction models for fetal weight estimation. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Oral presentation).

Lee W, Balasubramianiam M, Powell MD, Goncalves LF, Espinoza J, **Romero R**. Iliac crest angle: A novel approach for detection of fetuses with Down syndrome. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005.

Goncalves LF, Espinoza J, Kusanovic JP, Lee W, Nien JK, Santolaya-Forgas J, Mari G, Treadwell MC, **Romero R**. "Flip the coin": 360 degree visualization of fetal anatomical structures with xMatrix 4Dreal-time ultrasonography. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Poster presentation).

Goncalves LF, Espinoza J, Kusanovic JP, Mari G, Lee W, Soto E, Santolaya-Forgas J, Treadwell MC, **Romero R**. Early visualization of the fetal coronary arteries by four-dimensional ultrasonography with B-flow imaging and spatiotemporal image correlation (STIC). 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Oral presentation).

Mittal P, Goncalves LF, Kusanovic JP, Espinoza J, Lee W, Nien JK, Soto E, Treadwell MC, **Romero R**. Objective evaluation of sylvian fissure development by multiplanar three-dimensional ultrasound. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Oral presentation).

Kusanovic JP, Goncalves LF, Mittal P, Espinoza J, Lee W, Nien JK, Richani K, Treadwell MC, **Romero R**. 3D ultrasound evaluation of the fetal optic chiasm: a potential parameter for the differential diagnosis of developmental midline brain anomalies. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Oral presentation).

Goncalves LF, Soto E, Richani K, Espinoza J, Lee W, Treadwell MC, **Romero R**. Three-dimensional ultrasound in the prenatal diagnosis of cleidocranial dysplasia. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Oral presentation).

Espinoza J, Goncalves LF, Nien JK, Richani K, Lee W, Kusanovic JP, Treadwell MC, **Romero R**. Changes in fetal cardiac geometry with gestation: implications for three-dimensional fetal echocardiography. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Oral presentation).

Mari GT, Kusanovic JP, Goncalves LF, Espinoza J, **Romero R**. Inferior vena cava and ductus venosus Doppler in preterm IUGR fetuses. 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Poster presentation).

Mari G, Nien JK, Espinoza J, Goncalves LF, Lee W, Kusanovic JP, **Romero R**. Can perinatal mortality in IUGR fetuses delivered at less than 28 weeks' gestation be predicted by the product of MCA PSV and DV PI? 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Poster presentation).

Mari G, Nien JK, Mittal P, Soto E, Goncalves L, Lee W, **Romero R**, Espinoza J. Is Doppler reversed flow of the ductus venosus an indication for prompt delivery of the extremely IUGR fetus at less than 28 weeks' gestation? 15th World Congress of Ultrasound in Obstetrics and Gynecology, Vancouver, Canada, 2005 (Poster presentation).

Chaiworapongsa T, Espinoza J, Nien JK, Goncalves L, Edwin S, Richani K, Soto E, Santolaya J, Kim CJ, Kim YM, **Romero R**. Preeclampsia and SGA are characterized by low concentrations of a novel factor involved in angiogenesis and endothelial cell function: sVEGFR-2. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S71 (Abstract 213).

Hassan S, Haddad R, Hendler I, Khalek N, Tromp G, Diamond M, Sorokin Y, Malone J, **Romero R**. A comprehensive, unbiased and systematic description of the biological processes involved in cervical ripening/dilatation using functional genomics. (Oral presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S11 (Abstract 26).

Haddad R, Gould B, Tromp G, **Romero R**, Zingg H. Functional genomics reveals fundamental differences in the gene expression profile of infection-induced and progesterone withdrawal-induced preterm labor. (Oral presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S7 (Abstract 17).

Erez O, Hoppensteadt D, Espinoza J, Goncalves L, Nien JK, Fareed J, **Romero R**. Preeclampsia is associated with low concentrations of the novel regulatory factor of coagulation: Protein Z. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S72 (Abstract 218).

Lee SE, Kim BJ, **Romero R**, Kim G, Jun JK, Yoon BH. The frequency and clinical significance of intra-amniotic inflammation in patients with painless cervical dilatation. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S113 (Abstract 378).

Lee SE, **Romero R**, Shim SS, Moon KC, Kim CJ, Yoon BH. The relationship between amniotic fluid white blood cell count and funisitis at term. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S114 (Abstract 379).

Espinoza J, Nien JK, Kusanovic JP, Richani K, Gomez R, Kim CJ, Mittal P, Chaiworapongsa T, **Romero R**. A role for the anti-angiogenic factor sVEGFR-1 in the “mirror syndrome” (Ballantine Syndrome). (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S134 (Abstract 457).

Friel L, Kuivaniemi H, Gomez R, Goddard K, Nien JK, Tromp G, Lu Q, Xu Z, Behnke E, Solari M, Espinoza J, Kim CJ, Chaiworapongsa T, Kim YM, Lenk G, Volkenant K, **Romero R**. Genetic predisposition for preterm PROM: Results of a large candidate-gene association study of mothers and their offspring. (Oral presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S17 (Abstract 37).

Levine R, Lam C, Qian C, Yu K, Maynard R, Sibai B, **Romero R**, Epstein F, Karumanchi A. Soluble endoglin, a novel circulating anti-angiogenic factor in preeclampsia (PE). (Oral presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S14 (Abstract 31).

Goncalves LF, Nien JK, Espinoza J, Kusanovic JP, Lee W, Swope B, Soto E, Treadwell M, **Romero R**. Two-dimensional (2D) ultrasound (US) versus three- and four-dimensional (3D/4D) US in obstetrical practice: Does the new technology add anything? (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, Florida, 2006. *Am J Obstet Gynecol* 2005;193:S150 (Abstract 521).

Kim CJ, Kim JS, Lee SD, Kim YM, Richani K, Espinoza J, **Romero R**. Fetal macrophages are not present in the myometrium of women who undergo labor at term. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S170 (Abstract 596).

Kusanovic JP, Espinoza J, Hoppensteadt D, Nien JK, Kim CJ, Erez O, Soto E, Fareed J, **Romero R**. Preterm labor leading to preterm delivery in the absence of inflammation/infection is associated with low maternal plasma protein Z concentrations. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S6 (Abstract 15).

Mittal P, Nien JK, Lee W, Goncalves L, Espinoza J, Swope B, Treadwell M, **Romero R**. Fetal insula to parietal bone distance in the assessment of ventriculomegaly. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. *Am J Obstet Gynecol* 2005;193:S154 (Abstract 536).

Nien JK, Yoon BH, Espinoza J, Kusanovic JP, Erez O, Soto E, Richani K, Gomez R, **Romero R**. MMP-8 PTLTM : A rapid bedside test for the detection of intra-amniotic inflammation can identify patients at risk for preterm delivery within seven days. (Oral presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S32 (Abstract 71).

Nien JK, Hoppensteadt D, Erez O, Espinoza J, Soto E, Kusanovic JP, Kim CJ, Mittal P, Fareed J, Santolaya J, **Romero R**. Pyelonephritis during pregnancy: A cause for an acquired deficiency of Protein Z. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S188 (Abstract 666).

Richani K, **Romero R**, Cushenberry E, Soto E, Espinoza J, Kim CJ. Tissue microarray technology: A high throughput method for molecular analysis of the human placenta. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S174 (Abstract 613).

Richani K, **Romero R**, Soto E, Nien JK, Espinoza J, Cushenberry E, Kim CJ. Genetic origin and proportion of basal plate surface cells in normal and abnormal pregnancies. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S175 (Abstract 614).

Soto E, Espinoza J, Nien JK, Kusanovic JP, Erez O, Richani K, Santolaya J, **Romero R**. Human beta-defensin 2: A natural anti-microbial agent present in normal amniotic fluid participates in the host response to intra-amniotic infection. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S169 (Abstract 592).

Kim BJ, **Romero R**, Kang KH, Shim SS, Park JS, Yoon BH. Is there a relationship between the interval between rupture of membranes and the timing of amniocentesis on the rate of intra-amniotic inflammation in preterm premature rupture of membranes? (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S55 (Abstract 156).

Shim SS, Sohn YK, Kang KH, **Romero R**, Park JS, Yoon BH. Evidence that a fetal/neonatal adaptive immune response may have a protective effect. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S62 (Abstract 183).

Sorokin Y, **Romero R**. Elevated maternal serum IL-6 and CRP are associated with preterm delivery <32 weeks and subsequent neonatal intraventricular hemorrhage. (Poster presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S62 (Abstract 186).

Wang X, **Romero R**, Mallard C, Arvidsson P, Gustavsson M, Hagberg H. Melatonin and N-acetylcysteine reduce brain injury in response to lipopolysaccharide-sensitized hypoxia-ischemia. (Oral presentation) 26th Annual Meeting of the Society for Maternal-Fetal Medicine, Miami, FL, 2006. Am J Obstet Gynecol 2005;193:S28 (Abstract 62).

Cushenberry E, **Romero R**, Richani K, Nien JK, Espinoza J, Kim CJ. The chorionic trophoblast cell mass in fetal membranes is a function of gestational age and does not change with labor, preterm premature rupture of membranes and chorioamnionitis. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. J Soc Gynecol Investig 2006;13:219A (Abstract 472).

Armant DR, Kilburn BA, Kim YM, Nien JK, **Romero R**, Leach RE. EGF family signaling capacity of human placentas is reduced in preeclampsia. (Oral presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:78A (Abstract 44).

Richani K, **Romero R**, Cushenberry E, Nien JK, Soto E, Kim JS, Kim YM, Espinoza J, Kim CJ. Is there a difference between “random” and “non-random” sampling of the placenta in assessing the expression of angiogenic factors? (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:220A (Abstract 475).

Kim JC, **Romero R**, Kim YM, Cushenberry E, Montenegro D, Erez O, Nien JK, Kim CJ. A systematic study of CD14+ and CD68+ macrophages in the placental bed and basal plate of women with preeclampsia and preterm labor. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:318A (Abstract 766).

Kim CJ, Guice E, Kim JS, Jeanty C, Hotra J, Kilburn B, Armant DR, **Romero R**. Nerve growth factor enhances invasiveness of human trophoblast cells. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:104A (Abstract 123).

Han YM, **Romero R**, Kim YM, Friel L, Kusanovic JP, Kim SS, Vitale S, Nien JK, Espinoza J, Kim CJ. Surfactant protein-A mRNA expression by human fetal membranes is increased in histologic chorioamnionitis but not in spontaneous labor at term. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:113A (Abstract 152).

Erez O, Montenegro D, Wildman DE, Liu G, Espinoza J, Goodman M, Grossman LI, **Romero R**. Phylogenetic association between matrix metalloproteinases and placentation type. (Oral presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:181A (Abstract 356).

Wildman DE, Chen C, Opazo JC, Uddin M, Santolaya J, Goodman M, Grossman LI, **Romero R**. Evolutionary history of the progesterone receptor in primates. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:238A (Abstract 530).

Santolaya-Forgas J, DeLeon J, Nien JK, Kusanovic JP, Gooch J, VanHook J, Mari G, **Romero R**. Embryonic heart rate response to celocentesis at 40 days of development in the baboon model. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:310A (Abstract 743).

Santolaya-Forgas J, Edwin S, Nien JK, Zeiter K, Espinoza J, Kusanovic JP, VanHook J, **Romero R**. Maternal and umbilical cord plasma soluble VEGF- receptors 1 and 2 at term in non-human primates. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:195A (Abstract 400).

Santolaya-Forgas J, VanHook J, Edwin S, Nien JK, Goncalves L, Espinoza J, Erez O, Kusanovic JP, Soto E, Richani K, **Romero R**. Maternal plasma and celomic fluid concentration of TNF alpha, TNFR-1, TNFR-2 and rantes in extra-embryonic celomic fluid in pregnant baboons. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:310A (Abstract 742).

Santolaya-Forgas J, Uhlmann RA, Hanif F, Goncalves L, Soto E, Richani K, **Romero R**. Incorporation of a graphic visual model into current reporting systems to aid end-users in the interpretation of pathological relationships of comprehensive fetal morphometric and Doppler evaluations throughout pregnancy. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:310A (Abstract 744).

Wildman D, Santolaya-Forgas J, Erez O, Espinoza J, Goncalves L, Kim YM, Kim CJ, **Romero R**. A novel method to detect cross-species microchimerism and the fate of transplanted cells. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:164A (Abstract 308).

Wang H, Ogawa M, Wood JR, Sammel M, **Romero R**, Strauss JF. Identification of a functionally significant polymorphism in the MMP1 promoter and its relationship to preterm premature rupture of the fetal membranes (PPROM). (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:282A (Abstract 661).

Phillippe M, Sweet LM, Bradley D, Dorfman R, **Romero R**. Anticoagulant modulation of proinflammatory mediators involved in LPS-induced preterm delivery. (Poster presentation) 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation, Toronto, Canada, March, 2006. *J Soc Gynecol Investig* 2006;13:138A (Abstract 231).

Goncalves LF, Kusanovic JP, Espinoza J, Lee W, McNamee N, Schoen ML, Erez O, Treadwell MC, **Romero R**. Lung volume measurements by 3D ultrasound are not superior to biometry by 2D ultrasound to predict pulmonary hypoplasia in fetuses with musculoskeletal disorders. (Oral presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Pee W, Balasubramanian M, Deter RL, McNie B, Powell MD, Goncalves LF, Espinoza J, **Romero R**. Soft tissue parameters improve the precision of fetal weight estimation. (Oral presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Lee W, Yao MJ, Deter RL, Goncalves LF, Espinoza J, McNie B, Powell MD, Espinosa RM, **Romero R**. Fetal soft tissue and birth weight: their relationship to newborn infant body composition. (Poster presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Kusanovic JP, Goncalves LF, Espinoza J, Hassan S, Soto E, Erez O, Folts A, **Romero R**. Volumetric measurements of the cervix by 3D ultrasonography do not improve the prediction of preterm delivery when compared to cervical length measured by 2D ultrasonography. (Poster presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Kusanovic JP, Nien JK, Goncalves LF, Espinoza J, Lee W, Soto E, Erez O, Fisher L, **Romero R**. The use of inversion mode and "3D manual segmentation" in volume measurement of fetal fluid-filled structures: a comparison with VOCAL". (Poster presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Kusanovic JP, Espinoza J, Goncalves LF, Hassan S, Soto E, Nien JK, Erez O, Schoen ML, **Romero R**. Asymptomatic women with amniotic fluid "sludge" in the mid-trimester are at increased risk for spontaneous preterm delivery and intra-amniotic infection. (Oral presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Espinoza J, Nien JK, Kusanovic JP, Goncalves LF, Medina L, Gomez R, **Romero R**. The combined use of uterine artery Doppler and maternal plasma placental growth factor concentrations identifies patients at risk for early onset and/or severe preeclampsia. (Oral presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Espinoza J, Kusanovic JP, Goncalves LF, Nien JK, Hassan S, Soto E, Schoen ML, Lee W, **Romero R**. A novel algorithm for fetal echocardiography using 4D ultrasound and tomographic imaging. (Oral presentation) International Society of Ultrasound in Obstetrics and Gynecology, September 3-7, 2006, London, UK.

Kim SW, Park HS, Shim SS, Jun JK, **Romero R**, Yoon BH. The diagnostic and prognostic value of MMP-8 PTD check in women with preterm premature rupture of membranes. Oral presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S6 (Abstract 13).

Erez O, Espinoza J, Chaiworapongsa T, Gotsch F, Kusanovic JP, Than NG, Mazaki-Tovi S, Papp Z, Yoon BH, Hoppensteadt D, Fareed J, Hassan S, **Romero R**. Tissue factor and tissue pathway inhibitor: a link between hemostatic disorder and preterm PROM? Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S51 (Abstract 130).

Erez O, Kim SS, Kim SJ, Kim YM, Wildman DE, Than NG, Gotsch F, Espinoza J, Hassan S, Kim CJ, **Romero R**. Over-expression of the thrombin receptor in the placenta of patients with preeclampsia: the intersection between coagulation and inflammation. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S136 (Abstract 433).

Espinoza J, Hassan S, Edwin S, Gotsch F, Kusanovic JP, Kim CJ, Than NG, Pineles B, Erez O, Friel LA, Nien JK, Gomez R, **Romero R**. Differences and similarities in the plasma cytokine profile (pro- and anti-inflammatory) in SGA and preeclampsia. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S183 (Abstract 603).

Espinoza J, Kindzelski A, Kusanovic JP, Chaiworapongsa T, Hassan S, Yoon BH, Petty H, **Romero R**. Preeclampsia is characterized by a large number of neutrophils displaying a high amplitude of NAD(P)H metabolic oscillations: a link between intravascular inflammation, endothelial cell dysfunction and preeclampsia. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S147 (Abstract 473).

Espinoza J, Kusanovic JP, Hassan S, Edwin S, Gotsch F, Kim CJ, Than NG, Erez O, Nien JK, Gomez R, Yoon BH, **Romero R**. Evidence for a polarized Th1 response in the maternal circulation in women with preterm labor and intra-amniotic inflammation/infection. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S51 (Abstract 131).

Fejzo MS, Ingles SA, Wilson ML, Wang W, MacGibbon KW, **Romero R**. Familial aggregation of hyperemesis gravidarum. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S191 (Abstract 631).

Friel LA, Espinoza J, Edwin S, Nien JK, Hassan S, Chaiworapongsa T, **Romero R**. The calcium binding protein, S100 β , a marker for neurologic injury in the perinatal period is increased in the amniotic fluid of women with preterm labor and intact membranes. Oral presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S10 (Abstract 22).

Gotsch F, Friel LA, Kusanovic JP, Espinoza J, Erez O, Than NG, Mittal P, Edwin S, Yoon BH, Mazaki-Tovi S, Hassan S, **Romero R**. Is CXCL10/IP10 the missing link between inflammation and anti-angiogenesis in preeclampsia? Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S153 (Abstract 495).

Hassan S, **Romero R**, Tarca A, Draghici S, Khalek N, Camacho N, Mittal P, Yoon BH, Espinoza J, Sorokin Y, Malone J. Gene expression signature pathways in the human uterine cervix before and after spontaneous term parturition. Oral presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S30 (Abstract 69).

Kang YD, Park HS, Lee SE, Park CW, Park JS, **Romero R**, Yoon BH. Fetal inflammation and proven microbial infection of the amniotic cavity is present in approximately 75% and 50% of cases with preterm PROM before 30 weeks: Is expectant management at this gestational age safe? Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S61 (Abstract 169).

Kim CJ, Kim JS, Kim YM, Mazaki-Tovi S, Friel LA, Kusanovic JP, Espinoza J, Hassan S, **Romero R**. Villitis of unknown etiology: the pathophysiologic equivalent of graft-versus-host disease in human pregnancy. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S90 (Abstract 267).

Kim BJ, **Romero R**, Lee SE, Shim SS, Park JS, Jun J, Yoon BH. Clinical significance of oligohydramnios in patients with preterm labor and intact membranes. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S62 (Abstract 171).

Korst LM, Poursharif B, MacGibbon KW, Fejzo MS, **Romero R**, Goodwin TM. Symptomatology and outcomes of women with hyperemesis gravidarum as reported in a large registry. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S211 (Abstract 702).

Kusanovic JP, Espinoza J, Hassan S, Gotsch F, Erez O, Than NG, Edwin S, Mazaki-Tovi S, Friel LA, Mittal P, Yoon BH, **Romero R**. Preeclampsia and SCD30. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S146 (Abstract 469).

Lee SE, **Romero R**, Jung H, Kim KW, Kang YD, Yoon BH. Is there a difference in the intensity of the fetal inflammatory response between cases with culture-proven amniotic fluid infection and those with intra-amniotic inflammation but without positive culture? Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S62 (Abstract 174).

Lee SE, Seong HS, Park HS, Jung H, **Romero R**, Yoon BH. A comparison of the Nugent score and cultures for genital mycoplasmas in the assessment of risk for preterm delivery. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S63 (Abstract 175).

Lee SE, **Romero R**, Park IS, Seong HS, Park CW, Yoon BH. A dramatic increase in amniotic fluid prostaglandin concentrations before the onset of labor at term. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S116 (Abstract 362).

Mittal P, Espinoza J, Hassan S, Kusanovic JP, Edwin S, Nien JK, Gotsch F, Than NG, Erez O, Mazaki-Tovi S, **Romero R**. Placental growth hormone is increased in the maternal and fetal serum of patients with preeclampsia. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S134 (Abstract 427).

Mittal P, Hassan S, Espinoza J, Kusanovic JP, Edwin S, Gotsch F, Erez O, Than NG, Mazaki-Tovi S, **Romero R**. The effect of gestational age and labor on placental growth hormone in amniotic fluid. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S134 (Abstract 428).

Mittal P, Tarca A, Draghici S, Espinoza J, Nien JK, Gomez R, Yoon BH, Kusanovic JP, Hassan S, **Romero R**, Tromp G. The myometrial transcriptome in spontaneous labor at term and in failure to progress in labor (arrest of dilation and arrest of descent). Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S135 (Abstract 429).

Montenegro D, **Romero R**, Pineles B, Tarca A, Kim YM, Draghici S, Kusanovic JP, Erez O, Mazaki-Tovi S, Hassan SS, Espinoza J, Kim CJ. A role for microRNAs – key regulators of gene expression – in chorioamnionitis and parturition. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S11 (Abstract 26).

Than NG, Wildman DE, Erez O, Edwin S, Espinoza J, Kim CJ, Han TM, Mazaki-Tovi S, Kusanovic JP, Hassan S, Papp Z, **Romero R**. Trophoblast, galectin-1 and preeclampsia. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S138 (Abstract 442).

Pineles B, **Romero R**, Montenegro D, Kim JS, Tarca A, Kusanovic JP, Mittal P, Hassan S, Espinoza J, Kim CJ. Spontaneous labor at term is characterized by specific differential expression of microRNAs: a novel mechanism for post-transcriptional gene expression regulation in human parturition. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S85 (Abstract 250).

Pineles B, **Romero R**, Montenegro D, Tarca A, Han YM, Kim YM, Kusanovic JP, Mittal P, Hassan S, Espinoza J, Kim CJ. Evidence for a stereotypic difference in post-transcriptional regulation of placental gene expression in preeclampsia and SGA: an explanation for the two different phenotypes? Oral presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S15 (Abstract 35).

Poursharif B, Fejzo MS, Macgibbon KW, Korst LM, **Romero R**, Goodwin TM. Psychosocial burden of hyperemesis gravidarum. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006; 195:S86 (Abstract 252).

Richani K, Soto E, **Romero R**, Han YM, Pineles B, Kim YM, Cushenberry E, Yoon BH, Kusanovic JP, Espinoza J, Kim CJ. Decreased mRNA expression of complement regulatory proteins in chorioamnionitis. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S71 (Abstract 203).

Romero R, Espinoza J, Edwin S, Chefetz I, Sammar M, Meiri H, Tal Y, Kyhnreich I, Cuckle H. Assessment of first trimester maternal serum PP13 in early vs term severe preeclampsia. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S133 (Abstract 422).

Santolaya-Forgas J, Edwin S, Pitt A, Wolf R, **Romero R**. A study in mature fetuses to determine their base-line operational capacity for responding to inflammatory insults. Poster presentation, 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-20, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S147 (Abstract 473).

Seong HS, Kang YD, Lee SE, Shim SS, **Romero R**, Yoon BH. Lack of evidence for microorganisms in most women with clinical chorioamnionitis: a need to revisit the clinical and microbiologic criteria for one of the most important obstetrical complications. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S73 (Abstract 211).

Shim SS, **Romero R**, Kim GJ, Kim KW, Jun JK, Yoon BH. Activated T lymphocytes suppress the proliferation of trophoblast-derived cell line, and raise the supernatant sFLT-1 level. Poster presentation, 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S129 (Abstract 408).

Sohn YK, Park IS, **Romero R**, Park JS, Lee SE, Yoon BH. Intra-amniotic infection with Ureaplasma Urealyticum is characterized by a more intense intra-amniotic and maternal inflammatory response than intra-amniotic infection with gram positive and gram negative bacteria. Poster presentation, 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S234 (Abstract 791171).

Soto E, **Romero R**, Richani K, Chaiworapongsa T, Yoon BH, Nien JK, Edwin S, Kusanovic JP, Espinoza J. Evidence for complement activation in premature labor associated with intra-amniotic infection. Poster presentation; 27th Annual Meeting of the Society for Maternal-Fetal Medicine, February 5-10, 2007, San Francisco, CA. Am J Obstet Gynecol 2006;195:S74 (Abstract 216).

Edwin SS, Zeiter K, Pitt AJ, Wang R, McLuckie L, **Romero R**. A Comparison of Conventional ELISA(s) vs Microparticle Multiplex Immunoassays for the Determination of MMPs in Human Amniotic Fluid. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. Reprod Sci 2007;14:69A (Abstract 47).

Montenegro D, **Romero R**, Pineles BL, Tarca AL, Madsen-Bouterse SA, Hassan S, Kusanovic JP, Draghici S, Espinoza J, Kim CJ. Differential Expression of the Inflammasome Components in the Fetal Inflammatory Response Syndrome. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. Reprod Sci 2007;14:59A (Abstract 12).

Pineles BL, **Romero R**, Montenegro D, Tarca AL, Than NG, Hassan S, Gotsch F, Draghici S, Espinoza J, Kim CJ. The Inflammasome in Human Parturition. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. Reprod Sci 2007;14:59A (Abstract 11).

Kim CJ, **Romero R**, Han YM, Kim SS, Hotra J, Kim JS, Gotsch F, Erez O, Kusanovic JP, Espinoza J. The Human Placenta is an Extra-hepatic Source of Vitamin K-Dependent Anti-coagulant Proteins. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. Reprod Sci 2007;14:182A (Abstract 441).

Kim JS, **Romero R**, LaJeunesse C, Kim YM, Mittal P, Espinoza J, Kim CJ. WHY DOES Umbilical phlebitis precede arteritis in funisitis? Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:183A (Abstract 445). *Reprod Sci* 2007;14:183A (Abstract 445).

Madsen-Bouterse SA, **Romero R**, Tarca A, Espinoza J, Kusanovic JP, Gomez R, Draghici S. Transcriptome characterization in human fetuses with systemic inflammatory response. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:60A (Abstract 13).

Kim CJ, **Romero R**, Kim SS, Abbas A, Kim JS, Kim YM, Cushenberry E, Espinoza J. Evidence for phenotypic versatility of chorioamniotic mesodermal cells and a potential role for an ets family transcription factor PU.1. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:191A (Abstract 476).

Than NG, **Romero R**, Wildman DE, Tarca AL, Erez O, Han YM, Kim SS, Weckle A, Uddin M, Cushenberry E, Espinoza J, Kim CJ, Draghici S, Papp Z, Grossman LI, Goodman M. Birth and death of galectins predominantly expressed in placenta. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:285A (Abstract 809).

Hassan S, **Romero R**, Pineles B, Tarca AL, Montenegro D, Espinoza J, Mittal P, Mazaki-Tovi S, Kusanovic JP, Friel L, Gotsch F, Draghici S, Kim CJ. MicroRNA Expression Profiling of the Human Uterine Cervix in Term Labor. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:210A (Abstract 543).

Espinoza J, **Romero R**, Kusanovic JP, Gotsch F, Hassan SS, Mittal P, Friel L, Erez O, Mazaki-Tovi S, Than NG, Edwin S, Kim CJ, Gomez R, Yoon BH. Differences in the Maternal Systemic Inflammatory Response May Contribute to the Ethnic Disparities in the Rate of Preterm Birth. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:157A (Abstract 355).

Erez O, Hoppensteadt D, Than NG, Fareed J, Mazaki-Tovi S, Espinoza J, Chaiworapongsa T, Yoon BH, Hassan S, Gotsch F, Kusanovic JP, **Romero R**. Tissue factor and its natural inhibitor in preeclampsia and SGA. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:266A (Abstract 742).

Erez O, Than NG, Chaiworapongsa T, Fareed J, Hoppensteadt D, Espinoza J, Kusanovic J, Gotsch F, Yoon BH, Hassan S, **Romero R**. Women with preterm labor have lower plasma concentrations of tissue factor pathway inhibitor and thrombin activatable fibrinolysis inhibitor. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:158A (Abstract 357).

Than NG, Erez O, Wildman DE, Edwin SS, Mazaki-Tovi S, Gotsch F, Cushenberry E, Pineles B, Montegro D, Espinoza J, Kim CJ, Hassan SS, Papp Z, **Romero R**. Preterm labor and preterm PROM are characterized by an increase in maternal serum concentration of Galectin-1. Poster presentation; 54th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2007, Reno, NV. *Reprod Sci* 2007;14:90A (Abstract 120).

Kusanovic JP, **Romero R**, Espinoza J, Goncalves LF, Gotsch F, Camacho L, Lee W, Erez O, Schoen ML, Hassan S. Clinical significance of the presence of amniotic fluid 'sludge' in patients with cervical cerclage. *Ultrasound Obstet Gynecol* 2007;30:411.

Espinoza J, **Romero R**, Kusanovic JP, Gotsch F, Lee W, Goncalves LF, Erez O, Schoen ML, Hassan S. The value of the sagittal view of the 'ductal arch plane' in the prenatal diagnosis and counseling of conotruncal anomalies using 4-ultrasonography. *Ultrasound Obstet Gynecol* 2007;30:495-6.

Lee W, Balasubramaniam M, Deter RL, McNie BF, Powell MD, Espinoza J, **Romero R**. Prospective validation of fractional arm volume for fetal weight estimation. *Ultrasound Obstet Gynecol* 2007;30:479-80.

Lee W, Balasubramaniam M, Deter RL, McNie BF, Powell MD, Espinoza J, **Romero R**. Do soft tissue parameters improve weight estimation for fetal macrosomia? *Ultrasound Obstet Gynecol* 2007;30:480.

Lee W, Kapadia SU, Shetty A, Goncalves LF, Espinoza J, **Romero R**. Diffusion-weighted magnetic resonance imaging of the human placenta. *Ultrasound Obstet Gynecol* 2007;30:465.

Lee W, Deter RL, Sameera S, Powell MD, McNie BF, Espinoza J, **Romero R**. Second trimester prediction of birth weight using individualized growth assessment. *Ultrasound Obstet Gynecol* 2007;30:582.

Lee W, Sameera S, Deter RL, Espinoza J, Yao MJ, **Romero R**. Are third-trimester growth velocity measurements related to newborn infant percentage body fat? *Ultrasound Obstet Gynecol* 2007;30:368.

Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Than NG, Chaiworapongsa T, Gotsch F, Kim CJ, Mittal P, Edwin S, Pacora P, Yeo L, Mazor M, Hassan S. Maternal anti-protein Z antibodies in pregnancies complicated by preeclampsia SGA, and fetal death. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract 13-3.

Erez O, Vaisbuch E, Than NG, Kusanovic JP, Mazaki-Tovi S, Hoppensteadt D, Fareed J, Gotsch F, Kim CJ, Mittal P, Pacora P, Yeo L, Mazor M, Hassan S, **Romero R**. Doppler abnormalities, protein Z deficiency, preeclampsia and SGA: an association between procoagulant state and abnormal uterine perfusion. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract 10-1.

Gotsch F, Kim JS, Kim CJ, Yeo L, Abbas A, Kusanovic JP, Mittal P, Hassan S, Vaisbuch E, **Romero R**. The expression of IP-10 and its receptor (CXCR3) in the placental bed of patients with preeclampsia: evidence for differential expression of a chemokine linking anti-angiogenesis and inflammation. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract 3-6.

Gotsch F, Kim YM, Kim CJ, Edwin S, Hotra J, Tarca AL, Chaiworapongsa T, Kusanovic JP, Mor G, Redman CWG, **Romero R**. A link between inflammation/infection and anti-angiogenic state in preeclampsia: Inflammatory mediators mimic effect of hypoxia on trophoblast by increasing sFlt-1 and decreasing placental growth factor production. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract I-7.

Kim SK, **Romero R**, Mazaki-Tovi S, Kusanovic JP, Vaisbuch E, Erez O, Than NG, Gotsch F, Nhan-Chan CL, Chaiworapongsa T, Edwin S, Nien JK, Gomez R, Mittal P, Hassan SS, Pacora P, Yeo L. Does a perturbation in Visfatin homeostasis participate in the phenotype definition of preeclampsia and SGA? 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract 7-7.

Kusanovic, JP, Erez O, Gotsch F, Chaiworapongsa T, Mazaki-Tovi S, Vaisbuch E, Gomez R, Hassan S, **Romero R**. Maternal plasma concentrations of placental growth factor, soluble Flt1 and soluble endoglin in early pregnancy and the second trimester in the identification of patients destined to develop preterm preeclampsia. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract I-5.

Soto, E, **Romero R**, Richani K, Espinoza J, Chaiworapongsa T, Nien JK, Edwin S, Kim YM, Hong JS, Goncalves LF, Mazor M. Preeclampsia and SGA have different profiles of vmlpment dplit products. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract 7-1.

Than NG, Rahman OR, Magenheim R, Nagy B, Fule T, Hargitai B, Sammar M, Hupuczi P, Tarca AL, Szabo G, Kovalszky I, Meri M, Sziller I, Rigo J Jr., **Romero R**, Papp Z. Placental Protein 13 (PP13/galectin-13) has decreased placental expression but increased shedding and maternal serum concentrations in patients presenting with preterm preeclampsia and HELLP syndrome. 16th World Congress of the International Society for the Study of Hypertension in Pregnancy, Washington, DC, September 21-24, 2008. Oral presentation; Abstract 2-5.

Ruddock N, Shi SQ, Jain S, Moore G, Hankins G, **Romero R**, Garfield R. progesterone (P4) but not 17alpha hydroxyprogesterone caproate (17P), inhibits human myometrial contractions. Oral presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S6 (Abstract 11)

Seong HS, Lee SE, Kang JH, Kim BJ, **Romero R**, Yoon BH. Spontaneous labor at term, even with intact membranes, is a risk factor for intra-amniotic inflammation/infection. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S101 (Abstract 331).

Kim JS, **Romero R**, Lajeunesse C, Han Y, Tarca A, Mittal P, Gotsch F, Kusanovic, J, Kim C. The molecular basis for the differential role of the umbilical artery and vein in acute funisitis. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S87 (Abstract 273).

Lee SE, Park CW, Joon K, Lee SM, **Romero R**, Yoon BH. Evidence supporting that a culture-proven infection has clinical implications beyond the presence of intra-amniotic inflammation with a megative amniotic fluid culture in preterm PROM. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S197 (Abstract 689).

Lee JH, Seong HS, Kim BJ, Jun JK, **Romero R**, Yoon BH. Evidence in support that spontaneous preterm labor is adaptive in nature: Neonatal RDS is more common in “indicated” than in “spontaneous” preterm birth. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S176 (Abstract 614).

Kang JH, Lee SE, Park CW, Kwan J, **Romero R**, Yoon BH. Cervical fetal fibronectin: an index of intra-amniotic inflammation, histologic chorioamnionitis and impending preterm delivery in patients with preterm labor and intact membranes. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S47 (Abstract 122).

Lee JH, Oh KJ, Lee JY, Park JS, **Romero R**, Yoon BH. The importance of intra-amniotic inflammation in the subsequent development of atypical chronic lung disease. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S176 (Abstract 615).

Park CW, Moon KC, Park JS, Jun JK, **Romero R**, Yoon BH. The involvement of human amnion in histologic chorioamnionitis is an indicator that a fetal and an intra-amniotic inflammatory response is more likely and severe: clinical implications. Poster presentation; 28th Annual Meeting of the Society for Maternal Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S66 (Abstract 197).

Park CW, Lee SM, Park JS, Jun JK, **Romero R**, Yoon, BH. The antenatal identification of funisitis (fetal inflammation) with a rapid MMP-8 bedside test. Oral presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S21 (Abstract 47).

Gotsch F, **Romero R**, Erez O, Espinoza J, Kusanovic J, Mittal P, Mazaki-Tovi S, Kim C, Kim J, Edwin S, Nhan-Chang C, Hamill N, Friel L, Vaisbuch E, Than N, Yoon B, Hassan S. Evidence of the involvement of caspase-1 under physiologic and pathologic cellular stress during human pregnancy: a link between the inflammasome and parturition. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S95 (Abstract 304).

Nwankwo O, Goodwin T, Davis-O’Leary L, O’Leary D, Korst L, **Romero R**. The first demonstration that a subset of women with hyperemesis gravidarum (HG) have abnormalities in the vestibule-ocular reflex (VOR) pathway: implications for treatment. Oral presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S26 (Abstract 58).

Hernandez G, Goodwin T, Dossett E, Korst L, **Romero R**. The effect of nausea and vomiting of pregnancy (NVP) on screening for depression. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S114 (Abstract 376).

Mittal P, **Romero R**, Kusanovic J, Gotsch F, Mazaki-Tovi S, Espinoza J, Erez O, Nhan-Chang C, Than N, Vaisbuch E, Edwin S, Hassan S. Granulocyte chemotactic protein-2 (CXCL6): a novel chemokine involved in the innate immune response of the amniotic cavity. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S68 (Abstract 202).

Erez O, **Romero R**, Hoppensteadt D, Fareed J, Chaiworapongsa T, Kusanovic J, Mazaki-Tovi S, Gotsch F, Than N, Vaisbuch E, Kim C, Espinoza J, Mittal P, Nhan-Chang C, Hamill N, Mazor M, Hassan S. Is premature labor a state of platelet activation? Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S47 (Abstract 123).

Kim CJ, Han Y, Kim S, Tarca A, Draghici S, Kusanovic J, Gotsch F, Hassan S, **Romero R**. First evidence that the human amnion is functionally heterogeneous: a study of the amnion transcriptome. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S93 (Abstract 299).

Than N, **Romero R**, Erez O, Kusanovic J, Tarca A, Edwin S, Kim C, Hassan S, Espinoza J, Mittal P, Mazaki-Tovi S, Friel L, Gotsch F, Vaisbuch E, Papp Z. A role for mannose-binding lectin, a component of the innate immune system in preeclampsia. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S139 (Abstract 477).

Mazaki-Tovi S, **Romero R**, Kusanovic J, Erez O, Gotsch F, Mittal P, Than N, Nhan-Chang C, Hamill N, Vaisbuch E, Edwin S, Nien J, Espinoza J, Hassan S, Bryant-Greenwood G. The adipokine visfatin participates in the host response to intra-amniotic infection. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S66 (Abstract 195).

Espinoza J, **Romero R**, Kusanovic J, Gotsch F, Mittal P, Erez O, Than N, Kim C, Edwin S, Mazaki-Tovi S, Vaisbuch E, Hassan S. Maternal plasma concentrations of placental growth factor (PLGF) and soluble endoglin (S-ENG) in the second trimester identify patients destined to develop early-onset preeclampsia. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S136 (Abstract 463).

Nhan-Chang C, **Romero R**, Kusanovic J, Gotsch F, Edwin S, Erez O, Mittal P, Espinoza J, Friel L, Vaisbuch E, Than N, Mazaki-Tovi S, Hassan S. A role for CXCL13 in the host response to intra-amniotic infection. Oral presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S22 (Abstract 48).

Hamill N, **Romero R**, Kusanovic J, Gotsch F, Edwin S, Than N, Mittal P, Espinoza J, Friel L, Vaisbuch E, Mazaki-Tovi S, Hassan S. Exodus 1 (CCL20) is a chemokine involved in spontaneous parturition at term as well as in preterm labor in the presence or absence of infection/inflammation. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S66 (Abstract 198).

Vaisbuch E, **Romero R**, Erez O, Kusanovic J, Gotsch F, Than N, Mazaki-Tovi S, Mittal P, Edwin S, Hassan S. Hemoglobin in amniotic fluid is increased in intra-amniotic infection/inflammation as well as in spontaneous labor at term. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S46 (Abstract 118).

Kusanovic J, **Romero R**, Espinoza J, Mittal P, Edwin S, Erez O, Gotsch F, Mazaki-Tovi S, Than N, Soto E, Camacho N, Hassan S. Twin-to-Twin transfusion syndrome: an anti-angiogenic state. Oral presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S27 (Abstract 60).

Ward C, Hassan S, Kusanovic J, Nikita L, Mittal P, Espinoza J, Mazaki-Tovi S, **Romero R**. The risk of preterm delivery in asymptomatic patients with a dynamic cervix. Poster presentation; 28th Annual Meeting for the Society of Maternal-Fetal Medicine, January 28 – February 2, 2008, Dallas, TX. Am J Obstet Gynecol 2008;197:S50 (Abstract 135).

Montenegro D, **Romero R**, Kim, SS, Tarca A, Draghici S, Kusanovic JP, Kim JS, Erez O, Gotsch F, Hassan SS, Kim, CJ. A Role for microRNAs in human parturition. Oral presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, Reprod Sci 2008;15:78A (Abstract 61).

Ruddock N, Shi SQ, Jain S, Hankins G, **Romero R**, Garfield R. Progesterone (P4)inhibits human myometrial contractions during pregnancy by action on membrane receptors (mPR). Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:114A (Abstract 186).

Romero, V, Hassan S, Ward C, Kusanovic JP, Nikita L, Mazaki-Tovi S, Camacho N, Mittal P, **Romero R**. Does a short cervix increase the risk for a small for gestational age neonate? Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:123A (Abstract 220).

Sundell B, **Romero R**, Kim SK, Kim JS, Kusanovic JP, Gotsch F, Erez O, Hassan S, Kim CJ. Fetal carriage of the 4G/4G plasminogen activator inhibitor type 1 (PAI-1) genotype is a risk factor for fetal thrombotic vasculopathy and has functional consequences. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:134A (Abstract 259).

Imudia AN, Kilburn BA, Petkova A, Edwin SS, **Romero R**, Armant DR. Expression of heparin-binding EGF-like growth factor (HBEGF) in term chorionic villous explants and its role in trophoblast survival. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:142A (Abstract 288).

Than NG, **Romero R**, Erez O, Weckle A, Hotra J, Abbas A, Kim CJ, Kusanovic JP, Gotsch F, Santolaya-Forgas J, Benirschke K, Papp Z, Grossman LI, Goodman M, Wildman DE. Evidence that glectin-1 has undergone intense purifying selection in placental mammals: a potential link between placentation and immune response. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:151A (Abstract 318).

Kim SK, **Romero R**, Edwin S, Kim JS, Kim YM, Kusanovic JP, Gotsch F, Erez O, Hassan S, Kim CJ. Novel observations on surfactant protein-D (SP-D) in human pregnancy: human neutrophils are a source of SP-D. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:152A (Abstract 324).

Vora S, Ackerman WE, Kniss DA, Abbas A, Kim CJ, **Romero R**. Nuclear localization of NFκB in full-thickness fetal membranes, decidua and myometrium in term and preterm labor. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:187A (Abstract 450).

Erez O, Vaisbuch E, Gotsch F, Kusanovic JP, Mazaki-Tovi S, Kim CJ, Kim JS, Chaiworapongsa T, Hoppenstead D, Fareed J, Than NG, Nhan-Chang CL, Mazor M, Mittal P, Hassan SS, **Romero R**. Protein Z Plasma Concentrations in the umbilical cord of patients with preeclampsia and SGA. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:213A (Abstract 543).

Bytautiene E, Maner WL, **Romero R**, Saade GR, Garfield R. Uterine electromyographic activity in pregnant women with asthma. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:223A (Abstract 579).

Vaisbuch E, Kusanovic JP, Erez O, Gotsch F, Mazaki-Tovi S, Kim CJ, Kim JS, Chaiworapongsa T, Edwin SS, Than NG, Nhan-Chang CL, Mazor M, Mittal P, Hassan S, **Romero R**. Fetal hemoglobin concentration in amniotic fluid is elevated in preterm labor or prelabor rupture of membranes. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:254A (Abstract 686).

Erez O, Gotsch F, Kusanovic JP, Mazaki-Tovi S, Vaisbuch E, Kim CJ, Chaiworapongsa T, Hoppensteadt D, Fareed J, Than NG, Nhan-Chang, CL Mazor M, Hassan SS, Mittal P, **Romero R**. Is tissue factor responsible for the consumption coagulopathy associated with fetal death? Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15:259A (Abstract 703).

Walsh LH, Minyan L, Sammel MD, **Romero R**, Strauss JF 3rd. A polymorphism in the fetal COMT gene is associated with preeclampsia. Poster presentation; 55th Annual Meeting of Society for Gynecologic Investigation, March 26-29, 2008, San Diego, CA, *Reprod Sci* 2008;15: 287A (Abstract 804).

Vaisbuch E, **Romero R**, Erez O, Kusanovic JP, Gotsch F, Mazaki-Tovi S, Romero V, Ward C, Chaiworapongsa T, Mittal P, Sorokin Y, Hassan S. The clinical significance of early (<20 weeks) versus late (20-24 weeks) detection of a sonographic short cervix in asymptomatic women. Oral presentation. International Society of Ultrasound in Obstetrics and Gynecology, Chicago, IL, August 24-28, 2008, *Ultrasound Obstet Gynecol.* 2008 Aug 11;32:276 (Abstract OC102).

Hamill N, **Romero R**, Myers SA, Kusanovic JP, Mittal P, Carletti A, Chaiworapongsa T, Vaisbuch E, Espinoza J, Gotsch F, Lee W, Gonçalves L, Hassan S. Fetal cardiac output determination by four-dimensional fetal echocardiography using spatiotemporal image correlation (STIC) and VOCALTM. Oral presentation. International Society of Ultrasound in Obstetrics and Gynecology, Chicago, IL, August 24-28, 2008. *Ultrasound Obstet Gynecol.* 2008 Aug 11;32:244 (Abstract OC004).

Chaiworapongsa T, Mazaki-Tovi S, Erez O, Vaisbuch E, Gotsch F, Than NG, Carletti A, Camacho N, Nhan-Chang CL, Hamill N, Kusanovic JP, Mittal P, Hassan S, Sorokin Y, **Romero R**. Can the severity of the maternal anti-angiogenic state of pre-eclampsia be detected by Doppler velocimetry? Poster presentation. International Society of Ultrasound in Obstetrics and Gynecology, Chicago, IL, August 24-28, 2008 *Ultrasound Obstet Gynecol.* 2008 Aug 11;32(3):345 (Abstract OP11.03).

Chaiworapongsa T, Mazaki-Tovi S, Kusanovic JP, Erez O, Vaisbuch E, Gotsch F, Than NG, Carletti A, Camacho N, Hamill N, Nhan-Chang CL, Mittal P, Hassan S, Sorokin Y, **Romero R**. Abnormal Doppler velocimetry and SGA: Evidence for the relationship between utero-placental insufficiency and a maternal anti-angiogenic state. Oral presentation. International Society of Ultrasound in Obstetrics and Gynecology, Chicago, IL, August 24-28, 2008 *Ultrasound Obstet Gynecol.* 2008 Aug 11;32(3):280 (Abstract OC114).

Lee W, Espinoza J, Shetty A, Hassan S, Gotsch F, Kusanovic JP, Gonçalves LF, **Romero R**. Fetal gender assignment using 3DUS and MRI of internal pelvic anatomy. Poster presentation. International Society of Ultrasound in Obstetrics and Gynecology, Chicago, IL, August 24-28, 2008 *Ultrasound Obstet Gynecol.* 2008 Aug 11;32(3):323 (Abstract OP04.08).

Lee W, Deter RL, Sameera S, Hassan S, Gotsch F, Kusanovic JP, Gonçalves LF, **Romero R**. Can individualized fetal growth standards be specified by using earlier scans? Oral presentation. International Society of Ultrasound in Obstetrics and Gynecology, Chicago, IL, August 24-28, 2008 *Ultrasound Obstet Gynecol.* 2008 Aug 11;32(3):282 (Abstract OC119).

Chaiworapongsa T, **Romero R**, Tarca AL, Gotsch F, Kusanovic JP, Erez O, Vaisbuch E, Mazaki-Tovi S, Mittal P, Dong Z, Kim CJ, Kim SK, Yeo L, Hassan SS. Spontaneous preterm labor and delivery: Another anti-angiogenic state? Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009; 16:217A (Abstract 518).

Chaiworapongsa T, **Romero R**, Tarca AL, Kusanovic JP, Gotsch F, Mittal P, Erez O, Vaisbuch E, Mazaki-Tovi S, Dong Z, Kim CJ, Kim SK, Yeo L, Hassan SS. A decrease in maternal plasma concentrations of sVEGFR-2 precedes the clinical diagnosis of preeclampsia. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009; 16:264A (Abstract 679).

Chaiworapongsa T, **Romero R**, Gotsch F, Kusanovic JP, Tarca AL, Mittal P, Kim SK, Erez O, Vaisbuch E, Mazaki-Tovi S, Kim CJ, Dong Z, Yeo L, Hassan SS. Acute Pyelonephritis during pregnancy changes the balance of angiogenic and anti-angiogenic factors in maternal plasma. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009; 16:251A (Abstract 631).

Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Mittal P, Edwin SS, Nhan-Chang CL, Than NG, Kim CJ, Kim SK, Dong Z, Yeo L, Mazor M, Hassan SS. The pattern and magnitude of in-vivo thrombin generation is different in women with preeclampsia and in those with SGA fetuses without preeclampsia. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:170A (Abstract 350).

Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Mittal P, Kim SK, Dong Z, Kim CJ, Pacora P, Than NG, Yeo L, Mazor M, Hassan SS. A role for low activity of ADAMTS-13 in HELLP Syndrome. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:265A (Abstract 683).

Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Mittal P, Dong Z, Than NG, Kim CJ, Nhan-Chang CL, Kim SK, Yeo L, Mazor M, Hassan SS. The activity of the natural initiator of coagulation-tissue factor, but not that of its pathway inhibitor, is elevated in women with preeclampsia and SGA: A potential explanation for the excessive thrombin generation in these syndromes. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:170A (Abstract 351).

Erez O, **Romero R**, Vaisbuch E, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Mittal P, Than NG, Dong Z, Kim CJ, Kim SK, Pacora P, Yeo L, Mazor M, Hassan SS. Preeclampsia is characterized by lower plasma concentrations of the von Willebrand Factor cleavage protease, ADAMTS-13: A link between endothelial dysfunction and a specific deficiency of a plasma protease. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:266A (Abstract 684).

Hassan SS, **Romero R**, Tarca AL, Romero V, Ward C, Vaisbuch E, Erez O, Draghici S, Mittal P, Kim JS, Kim CJ. Transcriptome analysis of human cervical ripening: Lack of differential expression of genes involved in acute inflammation and discovery of novel biological processes and pathways. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:292A (Abstract 771).

Kim SK, **Romero R**, Mazaki-Tovi S, Kusanovic JP, Erez O, Vaisbuch E, Than NG, Chaiworapongsa T, Dong Z, Mittal P, Pacora P, Gotsch F, Carletti A, Yeo L, Hassan SS. A role for placental adipokines in intrauterine inflammation. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:161A (Abstract 321).

Kim SK, **Romero R**, Chaiworapongsa T, Kusanovic JP, Mazaki-Tovi S, Mittal P, Erez O, Vaisbuch E, Gotsch F, Pacora P, Yeo L, Hassan SS. Immunophenotype and metabolic evidence of activation in fetal, but not maternal, monocytes and granulocytes in the fetal inflammatory response syndrome. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009; 16:353A (Abstract 981).

Kim SK, **Romero R**, Kusanovic JP, Erez O, Vaisbuch E, Mazaki-Tovi S, Gotsch F, Mittal P, Chaiworapongsa T, Pacora P, Yeo L, Hassan SS. The prognosis of pregnancy conceived despite the presence of an intrauterine device (IUD). Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:312A (Abstract 841).

Kusanovic JP, **Romero R**, Chaiworapongsa T, Mittal P, Mazaki-Tovi S, Vaisbuch E, Erez O, Gotsch F, Than NG, Edwin SS, Pacora P, Jodicke C, Yeo L, Hassan SS. Soluble TREM-1 in parturition (term and preterm) and intra-amniotic infection/inflammation. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:204A (Abstract 470).

Mazaki-Tovi S, Vaisbuch E, Kusanovic JP, Erez O, Mittal P, Chaiworapongsa T, Than NG, Kim SK, Nhan-Chang CL, Jodicke C, Pacora P, Gotsch F, Yeo L, Dong Z, Hassan SS, **Romero R**. A role for adiponectin in intra-amniotic infection. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:220A (Abstract 528).

Mazaki-Tovi S, Vaisbuch E, Kusanovic JP, Erez O, Mittal P, Chaiworapongsa T, Than NG, Kim SK, Nhan-Chang CL, Jodicke C, Pacora P, Gotsch F, Yeo L, Dong Z, Hassan SS, **Romero R**. Adipose tissue failure as a putative mechanism for preeclampsia - Does a perturbation of adiponectin multimers homeostasis have a role in the pathophysiology of preeclampsia? Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:174A (Abstract 365).

Nhan-Chang CL, **Romero R**, Wildman DE, Erez O, Kusanovic JP, Tarca AL, Hacia JG, Mazaki-Tovi S, Vaisbuch E, Kim CJ, Chaiworapongsa T, Mittal P, Yeo L, Hassan SS. Placenta DNA methylation in term and preterm labor. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:163A (Abstract 330).

Pacora P, **Romero R**, Mazaki-Tovi S, Kusanovic JP, Mittal P, Chaiworapongsa T, Vaisbuch E, Erez O, Gotsch F, Than NG, Kim SK, Yeo L, Hassan SS. Adiponectin - A missing link between fetal death and altered metabolic, inflammatory and anti-angiogenic states? Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009; 16:247A (Abstract 619).

Vaisbuch E, **Romero R**, Mazaki-Tovi S, Erez O, Kusanovic JP, Mittal P, Gotsch F, Ward C, Romero V, Chaiworapongsa T, Yeo L, Pacora P, Hassan SS. The natural history of patients with a sonographic non-measurable cervical length (0 mm) in the second trimester of pregnancy. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:223A (Abstract 540).

Vaisbuch E, Mazaki-Tovi S, Kusanovic JP, Erez O, Than NG, Kim SK, Dong Z, Gotsch F, Mittal P, Chaiworapongsa T, Pacora P, Yeo L, Hassan SS, **Romero R**. Beyond a carrier of Vitamin A: Retinol binding protein 4 is associated with intra-amniotic infection/inflammation. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:208A (Abstract 486).

Kim MJ, **Romero R**, Kim CJ, Tarca AL, Chhauy S, LaJeunesse C, Lee DC, Draghici S, Kusanovic JP, Hassan SS, Kim JS. Villitis of Unknown Etiology: A unique lesion in human biology bridging transplant rejection (maternal) and graft-versus-host disease (fetal) evidence from placental villous transcriptome analysis. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:161A (Abstract 322).

Hsu R, **Romero R**, Kim JS, Mittal P, Kim MJ, Gotsch F, Kusanovic JP, Hassan SS, Kim CJ. Compartmentalized expression of granulocyte chemotactic protein-2/CXCL6 in the human amnion: A unique strategy for differential function of a chemokine in the placenta. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:160A (Abstract 316).

Kim MJ, **Romero R**, Gervasi MT, Kim JS, Yoo W, Lee DC, Mittal P, Kusanovic JP, Kim CJ. Molecular Evidence that the ascending pathway of intra-amniotic infection does not include a widespread choriodecidual stage: The need to revisit a traditional paradigm. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:203A (Abstract 468).

Lee DC, **Romero R**, Kim JS, Chaiworapongsa T, Hong JS, Vaisbuch E, Erez O, Mazaki-Tovi S, Kusanovic JP, Hassan SS, Kim CJ. Amniotic sequestration of multimeric surfactant protein-A: A fundamental difference between spontaneous labor at term in humans and C57BL/6 mice. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:215A (Abstract 510).

Vazquez A, **Romero A**, Nijland M, Nathanielsz P. Despite lack of antigen exposure, fetal baboon B cells in secondary lymphoid tissue at term show more intense surface expression of CD40 and CD86 than maternal B cells. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:181A (Abstract 390).

Kniss D, Ackerman IV W, Li R, Summerfield T, Yu L, Gilati P, Iams J, **Romero R**. A systems biology approach to preterm parturition: in vitro model of cytokine-driven gene expression suggests an inflammatory signature dominated by regulatory elements controlled by NF- κ B. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:203A (Abstract 469).

Vazquez A, **Romero R**, Nijland M, Zhu M, Nathanielsz P, Ford S. Maternal obesity (MO) and nutritional excess (NE) two months prior and through sheep pregnancy produce an inflammatory state in fetal (F) peripheral blood monocytes (PMBCs) and splenic immune cells. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation, March 17-21, 2009, Glasgow, Scotland, Reproductive Science, 2009;16:323A (Abstract 878).

Kusanovic JP, **Romero R**, Tarca A, Chaiworapongsa T, Gomez R, Mittal P, Vaisbuch E, Mazaki-Tovi S, Erez O, Gotsch F, Kim SK, Yeo L, Hassan SS. A longitudinal study of sonographic cervical length in nulliparous and multiparous women. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral poster presentation; abstract 01.01.

Kusanovic JP, **Romero R**, Mittal P, Nhan-Chang CL, Vaisbuch E, Erez O, Kim CJ, Goncalves L, Mazaki-Tovi S, Chaiworapongsa T, Gotsch F, Yeo L, Hassan SS. Sonographic "sludge" and "pseudo-sludge": microbiologic, molecular, immunologic and histologic features. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral communication presentation; abstract 28.05.

Lee W, Krisko A, Shetty A, Yeo L, Hassan SS, Gotsch F, Mody S, Goncalves LF, **Romero R**. Noninvasive Fetal Lung Assessment Using Diffusion Weighted Imaging. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral communication presentation; abstract 14.04.

Lee W, Balasubramaniam M, Deter RL, Yeo L, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. Third Trimester Fetal Arm and Thigh Fat Mass: Their Relationship to Estimated Fetal Weight, Birth Weight and Neonatal Body Composition. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral poster presentation; abstract 27.01.

Lee W, Balasubramaniam M, Deter RL, Yeo L, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. Prospective Validation of Fetal Weight Estimation Models Using Fractional Limb Volume. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Poster presentation; abstract 19.08.

Lee W, Balasubramaniam M, Deter RL, Yeo L, Hassan SS, Gotsch F, Kusanovic JP, Goncalves LF, **Romero R**. Derivation of New Fetal Weight Estimation Models Using Fractional Limb Volume. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral communication presentation; abstract 26.03.

Hamill N, **Romero R**, Kusanovic JP, Lee W, Chaiworapongsa T, Mittal P, Vaisbuch E, Mazaki-Tovi S, Erez O, Gotsch F, Hassan SS, Myers S, Yeo L. The fetal cardiovascular response to an increased Placental Vascular Resistance (PVR) measured with STIC and VOCAL. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral poster presentation; abstract 04.01.

Vaisbuch E, **Romero R**, Mazaki-Tovi S, Erez O, Kusanovic JP, Mittal P, Gotsch F, Ward C, Romero V, Yeo L, Hassan SS. An asymptomatic "complete funnel" of the cervix in the second trimester of pregnancy: how bad is it? International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral poster presentation; abstract 25.

Yeo L, Kim SK, Kim CJ, Balasubramaniam M, Gotsch F, Cruciani L, Kusanovic JP, Jodicke C, Hassan SS, Lee W, **Romero R**. Sonographic Chorioamniotic Membrane Thickness throughout Gestation in Three Different Sites: Chorionic Plate, Uterine Free Wall, and Cervix. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Poster presentation; abstract 09.02.

Yeo L, Vaisbuch E, Kusanovic JP, Balasubramaniam M, Gotsch F, Cruciani L, Kim SK, Jodicke C, Hassan SS, Lee W, **Romero R**. A Systematic Comparison of the Volume of Fluid-filled Fetal Structures using 3D US: A Comparison of SonoAVC™, VOCAL™, and Inversion Mode Techniques. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Poster presentation; abstract 10.11.

Chaiworapongsa T, **Romero R**, Kusanovic JP, Vaisbuch E, Mazaki-Tovi S, Erez O, Mittal P, Kim SK, Gotsch F, Nhan-Chang CL, Jodicke C, Hamill N, Sorokin Y, Yeo L, Hassan SS. Late-onset preeclampsia cannot be identified with either anti-angiogenic profile in maternal plasma or uterine artery Doppler velocimetry. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral poster presentation; abstract 14.06.

Chaiworapongsa T, **Romero R**, Kusanovic JP, Mazaki-Tovi S, Gotsch F, Erez O, Vaisbuch E, Mittal P, Kim SK, Nhan-Chang, CL, Hamill N, Sorokin Y, Yeo L, Hassan SS. Evidence of a link between an anti-angiogenic state in the first trimester and abnormal uterine artery Doppler velocimetry in the midtrimester. International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 13-17, 2009. Oral poster presentation; abstract 14.05.

Alpay-Savasan Z, **Romero R**, Chaiworapongsa T, Kusanovic JP, Kim SK, Mazaki-Tovi S, Vaisbuch E, Mittal P, Ogge G, Madan I, Dong Z, Yeo L, Hassan SS. Evidence in support for a role of anti-angiogenic factors in preterm prelabor rupture of membranes (PPROM). 30th Annual Meeting of the Society for Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0534.

Chaiworapongsa T, **Romero R**, Kusanovic JP, Alpay-Savasan Z, Kim SK, Mazaki-Tovi S, Vaisbuch E, Ogge G, Madan I, Dong Z, Yeo L, Mittal P, Hassan SS. Fetal death is associated with increased concentration of anti-angiogenic factors. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0791.

Chaiworapongsa T, **Romero R**, Kusanovic JP, Alpay-Savasan Z, Mazaki-Tovi S, Kim SK, Vaisbuch E, Tarca AL, Mittal P, Ogge G, Madan I, Dong Z, Yeo L, Hassan SS. Fetal death: a condition with a disparity in sVEGFR-2 between the maternal and fetal compartments. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0792.

Hassan SS, Tarca AL, Nhan-Chang CL, Dragichi S, Kim JS, Mittal P, Kim CJ. The molecular basis for sonographic cervical shortening: identification of differentially expressed genes as a function of cervical length. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0075.

Kim SK, **Romero R**, Chaiworapongsa T, Kusanovic JP, Mazaki-Tovi S, Vaisbuch E, Mittal P, Ogge G, Alpay-Savasan Z, Madan I, Dong Z, Yeo L, Hassa SS. Evidence for intersection between the angiogenic and inflammatory pathways in preterm labor and preterm PROM. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0073.

Madan I, **Romero R**, Kusanovic JP, Mittal P, Chaiworapongsa T, Dong Z, Mazaki-Tovi S, Vaisbuch E, Alpay-Savasan Z, Yeo L, Hassan SS. The frequency and clinical significance of intra-amniotic infection in women with placenta previa and vaginal bleeding: an unexpected observation. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0171.

Mazaki-Tovi S, **Romero R**, Vaisbuch E, Kim SK, Kusanovic JP, Chaiworapongsa T, Mittal P, Dong Z, Pacora P, Yeo L, Hassan SS. Evidence for differential regulation of the adipokine visfatin in the maternal and fetal compartments in normal spontaneous labor at term. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0227.

Mazaki-Tovi S, **Romero R**, Vaisbuch E, Kusanovic JP, Chaiworapongsa T, Kim SK, Mittal P, Dong Z, Pacora P, Yeo L, Hassan SS. Retinol-binding protein-4: a novel adipokine implicated in the genesis of LGA in the absence of gestational diabetes mellitus. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0272.

Mittal P, **Romero R**, Soto E, Cordoba M, Nhan-Chang CL, Vaisbuch E, Bieda J, Chaiworapongsa T, Kusanovic JP, Yeo L, Yoon BH, Hassan SS. A role for placental alpha-microglobulin-1 in the identification of women with a sonographic short cervix at risk for spontaneous rupture of membranes. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0528.

Mittal P, **Romero R**, Tarca A, Nhan-Chang CL, Chaiworapongsa T, Hotra J, Gomez R, Kusanovic JP, Kim JS, Kim CJ, Hassan SS. The molecular signature of an arrest of descent in human parturition. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0325.

Nhan-Chang CL, **Romero R**, Tarca AL, Mittal P, Kusanovic JP, Erez O, Mazaki-Tovi S, Chaiworapongsa T, Hotra J, Kim JS, Hassan SS, Kim CJ. Identification of signature pathways at the site of rupture in chorionic membranes in spontaneous labor at term. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Oral Presentation 0001.

Ogge G, **Romero R**, Kusanovic JP, Chaiworapongsa T, Dong Z, Mittal P, Vaisbuch E, Mazaki-Tovi S, Gonzales J, Yeo L, Hassan SS. Serum and plasma determination of angiogenic and anti-angiogenic factors yield different results: the need for standardization in clinical practice. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0805.

Romero R, Velez D, Mazaki-Tovi M, Gomez R, Behnke E, Chaiworapongsa T, Anant MK, Salisbury BA, Carr J, Lee MS, Vovis GF, Kim CJ, Tromp G, Menon R, Williams S. Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor with intact membranes. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Oral Presentation 0014.

Vaisbuch E, **Romero R**, Erez O, Mazaki-Tovi S, Kusanovic JP, Soto E, Dong Z, Chaiworapongsa T, Kim SK, Ogge G, Pacora P, Yeo L, Hassan SS. Activation of the alternative pathway of complement is a feature of preterm parturition but not of spontaneous labor at term. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0520.

Vaisbuch E, **Romero R**, Mazaki-Tovi S, Nhan-Chang CL, Kusanovic JP, Chaiworapongsa T, Dong Z, Yeo L, Mittal P, Hassan SS. Patients with an asymptomatic short cervix (≤ 15 mm) have a high rate of subclinical intra-amniotic inflammation: implications for patient counseling. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0521.

Dong YL, Siller RB, Shi S-Q, Shi L, Balducci J, Chambliss L, **Romero R**, Garfield R. A role for myometrial membrane progesterone receptors in pregnancy maintenance and the control of human parturition: evidence derived from studies of expression (mRNA and protein), immunolocalization, binding and contractility. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0300.

Oh BJ, Lee KA, Sohn Y-K, Park CW, Hong J-S, **Romero R**, Yoon BH. Intra-amniotic infection with genital mycoplasmas is characterized by an intense inflammatory response in the amniotic cavity and in the maternal compartment. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0433.

Oh KJ, Yoon BH, **Romero R**, Park CW, Lee SM, Kim SM. The frequency and clinical significance of intra-amniotic inflammation in twin pregnancies with preterm labor and intact membranes. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0434.

Park CW, Kim SM, Yang HJ, **Romero R**, Yoon BH. Acute histologic choriodecidualitis is associated with an intra-amniotic inflammatory response, but not a maternal and fetal inflammatory response: implications of the staging of inflammation of the chorioamniotic membranes. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0509.

Yang HJ, **Romero R**, Park CW, Oh KJ, Kim SM, Yoon BH. The relationship between the severity of histologic chorioamnionitis and the intensity of fetal inflammatory response. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0513.

Lee SM, **Romero R**, Lee KA, Yang HJ, Oh KJ, Park CW, Yoon BH. The frequency and risk factors of funisitis and histologic chorioamnionitis in term pregnant women delivered after the spontaneous onset of labor. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0641.

Lee SM, **Romero R**, Lee KA, Kim SM, Park CW, Yoon GH. The risk of microbial invasion of the amniotic cavity, intra-amniotic inflammation and histologic chorioamnionitis in term pregnant women with intact membranes during labor. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0642.

Park HS, **Romero R**, Lee SM, Park CW, Jun JK, Yoon BH. The frequency of histologic chorioamnionitis is higher after spontaneous onset of labor than after induced labor at term. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0646.

Blitz MJ, Wilson ML, Ingles SA, Desmond DH, Macgibbon KW, **Romero R**, Goodwin TM, Mullin P. Gonadotropin-releasing hormone and luteinizing hormone receptor polymorphisms and risk of hyperemesis gravidarum. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0829.

Velez DR, **Romero R**, Mazaki-Tovi S, Gomez R, Behnke E, Chaiworapongsa T, Anant MK, Salisbury B, Carr J, Lee MS, Vovis G, Kim CJ, Tromp G, Menon R, Williams S. Polymorphisms in maternal and fetal genes encoding for proteins involved in extracellular matrix metabolism alter the risk for small for gestational age. 30th Annual Meeting of the Society of Maternal-Fetal Medicine, February 1-6, 2010, Chicago, IL. Am J Obstet Gynecol. Poster Presentation 0692.

PRESENTATIONS:

The Diagnosis of Ectopic Pregnancy. University of Alabama at Birmingham Grand Rounds. July 3, 1984.

The Diagnosis of Ectopic Pregnancy. American Association for Clinical Chemistry. July 31, 1984.

The Use of Ultrasound in the First Trimester of Pregnancy. Mt. Sinai Medical School, New York, NY. September 19, 1984.

The Use of Ultrasound in the First Trimester of Pregnancy. Vanderbilt University Grand Rounds, Nashville, TN. September 27, 1984.

The Diagnosis and Management of Intra-uterine Growth Retardation. Georgetown University, Washington, DC. January 16, 1985.

The Use of Serum Proteins AFP/hCG in the Assessment of High Risk Pregnancy. Dupont Research Facility, Baltimore, MD. February 14, 1985.

Premature Rupture of Membranes. St. John Medical Center, St. Louis, MO. April 10, 1985.

The Prenatal Diagnosis of Skeletal Dysplasia, Alpha-fetoprotein Screening Program, The Preoperative Diagnosis of Ectopic Pregnancy, Sonography in the First Trimester of Pregnancy. Advanced Ultrasound Course, Hilton Head Island, SC. April 19, 1985.

The Approach to a Sonographic Examination, Sonography in the First Trimester of Pregnancy. New York University, New York, NY. June 2, 1985.

Prenatal Diagnostic Imaging. Regional Perinatal Conference: Between Mother and Newborn: In Search of Hormonal Harmony. Los Angeles, CA. May 13-14, 1988.

Invasive Prenatal Diagnosis and Pregnancy Induced Hypertension. Eighteenth Annual Postgraduate Obstetrics/Gynecology Teaching Day: Current Aspects of Endocrinology, Infertility and Perinatology. Syracuse, NY. May 24, 1988.

Fetal Blood Sampling and Fetoscopy, Diagnostic Imaging and Fetal Blood Sampling. Contemporary Medical Imaging V. Destin, FL. June 15-19, 1988.

Primer Trimester del Embarazo y Embarazo Ectopico, Edad cion de la Madurez Fetal, Abnormalidades Toracica Abdominales en el Feto, Deteccion de Anomalias en el Crecimiento Feto, Displasias Esqueleticas, El Irasonido como Ayuda para la Amniocentesis, Muestreo de Sangre Fetal y Biopsia de Vellosidades Corionicas. Segundo Curso Internaccional de Ultrasonido en Puebla, Puebla, Mexico. June 26-July 1, 1988.

A Role for Monokines in the Onset of Human Parturition. The Role of Infection in Precipitating Preterm Labor: Evidence from the Placenta, NICHD Symposium, Bethesda, Maryland. September 13-14, 1988.

Can We Learn Anything About Obstetrics from the Horseshoe Crab? St. Louis Gynecological Society, St. Louis, MO. October 27, 1988.

The Initiation of Parturition. Department of Laboratory Medicine, Yale University, New Haven, CT. March 8, 1989.

Macrophages, Cytokines and Reproduction. The 36th Annual Meeting of the Society for Gynecologic Investigation, San Diego, CA. March 19, 1989.

Invasive Ultrasound Techniques in Prenatal Diagnosis, Prenatal Diagnosis of Skeletal Dysplasia, Advances in the Ultrasound Diagnosis of Ectopic Pregnancies and Ultrasound Diagnosis of Genetic Syndromes. IV Congreso Latino Americano de Ultrasonografía en Medicina y Biología, Punta del Este, Uruguay. March 21-25, 1989.

March of Dimes Prematurity Task Force, Dallas, TX. April 10, 1989.

Can We Learn Anything About Obstetrics from the Horseshoe Crab? Mount Sinai Hospital Grand Rounds, New York, NY. May 10, 1989.

George Washington University, Washington, DC. May 17, 1989.

Biochemical Links Between Infection and Labor. Obstetrics and Gynecology Forum, Atlanta, GA. May 20-22, 1989.

Eclampsia: A New View of an Old Disease, Premature Delivery and Prenatal Invasive Diagnostic Modalities. Asociacion de Exalumnos de Medicina de la Universidad Nacional de Colombia, Bogota, Colombia. May 31-June 3, 1989.

Simposio Internacional de Ultrasonido Medico, Bogota, Colombia. June 3-5, 1989.

Infection and Preterm Labor. Serono Symposium on Uterine Contractility: Mechanisms of Control, St. Louis, MO. March 17-20, 1990.

The Extracellular Matrix and the Reproductive Tract. University of Rochester School of Medicine, Rochester, NY. May 13-16, 1990.

The Role of Infection in the Onset of Parturition. Mt. Sinai School of Medicine, New York, NY. May 28-29, 1990.

Biochemical Relationships Between Organisms and Premature Birth. Symposium of Infection and Preterm Birth. Infectious Disease Society of Obstetrics and Gynecology, Seattle, WA. August 8-11, 1990.

Premature Rupture of Membranes. Nashville Obstetrics and Gynecology Society. August 14, 1989.

Pathology of Hypertension in Pregnancy, New Criteria for the Classification and Diagnosis of Pregnancy Hypertension Syndrome, Doppler and Intra-uterine Growth Retardation in Pregnancy Hypertension Syndrome, Current State of Doppler in Fetal Evaluation. International Postgraduate Conference on Hypertension in Pregnancy, Santiago, Chile. August 27-29, 1990.

Prenatal Diagnosis of Skeletal Dysplasia, Dilemmas in Antenatal Diagnosis, The Diagnosis of Ectopic Pregnancy, Invasive Techniques for Prenatal Diagnosis. 20th Annual Scientific Meeting of the Australian Society for Ultrasound in Medicine, Adelaide, Australia. September 7-9, 1990.

The role of infection in preterm labour. International Perinatal Meeting on Pre-Term Labour under the auspices of the Royal Australian College of Obstetricians and Gynaecologists (SA) and the Australian Perinatal Society (SA), Glenside, Australia. September 10, 1990.

Premature labor: A heterogenous disease. First International Conference on Ultrasound in Obstetrics and Gynecology, London, England, UK. January 7-10, 1991.

Skeletal dysplasia. American Institute of Ultrasound in Medicine 35th Annual Convention, Atlanta, GA. February 24-27, 1991.

Preterm labor, Intra-uterine growth retardation. First Congress of the Association of Hospitals and Clinics, Caracas, Venezuela. May 20, 1991.

Cellular and biochemical mechanisms responsible for the onset of premature labor, Premature Rupture of the membranes, Issues in premature labor, Technical aspects of fetal blood sampling, Prenatal diagnosis of skeletal dysplasia, Issues in prenatal diagnosis and management, Snowmass Village, CO. July 27-August 1, 1991.

Cytokines and premature labor. Fourth Annual Immunological Obstetrics Symposium: High-Risk Pregnancies, Indianapolis, IN. August 2-3, 1991.

Third Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal Medicine, Aspen, CO. August 20-23, 1991.

Clinical applications of IL-6 determinations. Ciba Foundation Symposium No. 167: Polyfunctional Cytokines: IL-6 and LIF, London, UK. September 30 - October 3, 1991.

Infectious etiology in preterm labor. 5th World Symposium of Perinatal Medicine, San Francisco, CA. October 28-31, 1991.

The Role of Infection in Preterm Labor and Delivery. Brigham and Women's Hospital, Boston, MA, May 20, 1992.

Current Respective on the Etiology and Management of Premature Labor. Mt. Sinai Hospital of Detroit, Detroit, MI, August 6, 1992.

Research Training in the NIH Intramural Program. 4th Annual NICHD Aspen Conference on Maternal Fetal Neonatal Medicine, Aspen, CO, August 19-23, 1992.

The role of infection in preterm labor and delivery; Are antibiotics indicated in preterm labor and preterm PROM? St. John's Hospital, Detroit, MI. September 16, 1992.

The role of subclinical infection and cytokines in preterm parturition. 23rd Annual Meeting of the Perinatal Research Society, Tucson, AZ. September 21, 1992.

The Effect of Spontaneous Rupture of Membranes, Labor and Microbial Invasion of the Amniotic Cavity on Amniotic Fluid Concentrations of Prostaglandins and Thromboxane B₂ at Term. The Central Association of Obstetricians and Gynecologists, Chicago, IL, October 16, 1992.

Infection and Preterm Labor. Sponsored by: Schering Research Foundation, Berlin, Germany, October 19-21, 1992.

Prenatal Diagnosis of Congenital Anomalies. Holiday Inn - Crown Plaza, New York, NY, November 13-16, 1992.

Basic aspects in the understanding of preterm labor. 1993 Forum on Investigational and Experimental Modalities: The Role of Uterine Monitoring in High-Risk Pregnancy. Ritz Carlton Hotel, Phoenix, AZ. January 19-21, 1993.

Preterm Labor Update and Update on Premature Rupture of Membranes. COGMET Obstetrics/Gynecology Education Day. Michigan Athletic Club, East Lansing, MI. April 15, 1993.

Infection and Preterm Labor and OB Ultrasound. Twelfth Annual Perinatal Trends Conference. Pontiac General Hospital, Pontiac, MI. April 28, 1993.

Relationship between fetal biophysical profile score, umbilical artery Doppler velocimetry, and fetal blood acid-base status determined by cordocentesis. Presented at the 41st ACOG Annual Clinical Meeting. Washington, D.C., May 3-6, 1993.

Prenatal Diagnosis of Congenital Anomalies. Holiday Inn - Peachtree Corners, Atlanta, GA, May 13-16, 1993.

Ultrasound: CNS and Prematurity. All Michigan OB/GYN Review Course. Radisson on the Lake, Ypsilanti, MI. May 17-21, 1993.

The role of infection in preterm labor and delivery. Grand Rounds Lecture, St. Joseph's Health Centre, London, Ontario, Canada. May 19, 1993.

Atosiban--A new therapeutic choice, clinical experience and research needs. New perspectives for the effective treatment of preterm labour, an international consensus. Wells Medical. Nice, France. April 14-15, 1994.

A contemporary review of Obstetrics and Gynecology. Leavey Center, Georgetown University Conference Center, Washington, DC 20.25 CME, 14 Cognates. April 16, 1994.

The role of research in an academic career. A Fellows Retreat, sponsored by The Society of Perinatal Obstetricians, San Antonio, TX. April 22-24, 1994.

The Role of Subclinical Infections in Preterm Delivery. XIV European Congress of Perinatal Medicine. Helsinki, Finland. June 5-8, 1994.

Preterm labor syndrome: Spontaneous rupture of membranes; RADIUS Study: What is all the fuss about?; Obstetrical Doppler. Cedar Sinai Hospital, Westin Maui Kaanapali Beach, HI. August 5-14, 1994.

Fetal Diagnosis and Endoscopic Therapy. 6th Annual NICHD Aspen Conference on Maternal-Fetal Medicine. Aspen, CO. August 24-27, 1994.

The cervix; The fetal skeleton. Advanced sonography symposium, in OB/GYN, Harvard Medical School, Boston, MA. October 8-10, 1994.

Premature Labor Syndrome. Clinical Obstetrics at the Turn of the Century: European and American Perspectives. Albert Einstein College of Medicine, Montefior Medical Center, NY, November 12-13, 1994.

The role of infection in preterm labor and delivery; Premature labor syndrome; The use of Doppler in obstetrics. 34th Annual Isador Forman Course on Current Trends and Controversies in High Risk Obstetrics and Perinatal Diagnosis, Temple University, Philadelphia, PA. December 4-5, 1994.

What can TVS teach us about the biology of the uterine cervix. Recent advances in transvaginal sonography, New York Academy of Medicine, December 9-10, 1994.

A critical appraisal of the RADIUS study; Prenatal diagnosis of skeletal dysplasia; Perinatal Ultrasound Symposium, St. Peters Medical Center, New Brunswick, NJ, January 14-15, 1995.

New strategies for diagnosis and management of intra-uterine infection. Suffolk Academy of Medicine, Hauppauge, NY. April 12, 1995.

Sonographic Diagnosis of Skeletal Dysplasias. AIUM. New York, NY. March 17-20, 1996.

Impact of chorioamnionitis and cytokine production of preterm labour. The Swedish Society of Medicine Berzelius Symposium, The preterm birth and the immature baby. Lund, Sweden. April 22-24, 1996.

Preterm labor syndrome and Color Doppler ultrasound in obstetrics. 2nd Annual Symposium of the Korean Society of Fetal Medicine. Seoul, Korea. May 17, 1996.

Multiple pregnancy obstetrical management and Skeletal Ultrasound and Obstetrical Management. Structural Fetal Problems The Total Picture, Baltimore Ultrasound Education and Research, Inc. Hyatt Regency, Baltimore, MD. May 30 - June 2, 1996.

Intra-uterine Infection, Preterm Parturition and Cerebral Palsy. 3rd International Conference on The Uterus: Endometrium and Myometrium. New York University School of Medicine and the First Institute of Obstetrics and Gynecology of the University of Bologna, Italy. NYU Medical Center, New York, NY October 14-16, 1996.

The Preterm Labor Syndrome. 3rd World Congress of Perinatal Medicine. Prematurity: Causes and Consequences. San Francisco, CA. October 20-24, 1996.

The uterine cervix and preterm delivery. Round table: Transvaginal sonographic assessment of the cervix. Sixth World Congress on Ultrasound in Obstetrics and Gynecology, Rotterdam, The Netherlands. October 27-31, 1996.

The role of the human fetus in the onset of labor (seminar), University of Texas Medical Branch at Galveston, Galveston, TX. April 1, 1997.

Intra-uterine infection and cerebral palsy, Grand Rounds lecture, University of Texas Medical Branch at Galveston, TX. April 2, 1997.

The role of infection in the onset of preterm labor. Perinatology Symposium, Infection and Prematurity. Basel, Switzerland. April 23, 1997.

Ultrasound: CNS and Prematurity. All Michigan Ob/Gyn Review Course, Ann Arbor, MI. May 19-23, 1997.

The relevance of fetal anomalies to clinical practice. Ultrasound Screening for fetal anomalies: is it worth it? New York Academy of Sciences Conference. New York, NY. June 23-25, 1997.

NICHD Workshop on fetal behavioral development. Bethesda, MD. June 24-26, 1997.

Physiopathology of preterm delivery; Antibiotic therapy. Preterm Delivery: A Puzzle to be Solved. Brescia, Italy. September 12-13, 1997.

US-Mexico-Canada Research Development Workshop on Precursors and Consequences of Emerging and re-emerging infectious diseases in North America. National Institutes of Health. Bethesda, MD. September 17-19, 1997.

The challenge of preterm labor. International Congress on Nitric Oxide in Reproductive and Perinatal Medicine. Genoa, Italy. September 25-27, 1997.

The child is the father of the man. A Fellows Retreat, Sponsored by the Society of Perinatal Obstetricians. San Antonio, TX. October 3-5, 1997.

Doppler ultrasound evaluation of the maternal-fetal cardiovascular system. Co-Director, Pre-Congress Course. 7th World Congress on Ultrasound in Obstetrics and Gynecology. International Society of Ultrasound in Obstetrics and Gynecology. October 26-30, 1997.

Fetal diastolic function: Evaluation and clinical significance. 7th World Congress on Ultrasound in Obstetrics and Gynecology. International Society of Ultrasound in Obstetrics and Gynecology. October 26, 1997.

The use of ultrasound in preterm labor. The Prevention of Prematurity and Neonatal Mortality. Cornell University Medical College, New York, NY. April 30 - May 2, 1998.

The role of the human fetus in preterm labor. Green Center, Southwestern Medical School. Dallas, TX. June 5, 1998.

Preterm labor, intra-uterine infection and cerebral palsy. NICHD Aspen Conference, 1998. Aspen, CO. August 26-29, 1998.

Intra-uterine infection and preterm labour. The Problem With Prematurity. St. Thomas' Hospital, London, UK. September 7-9, 1998.

Subclinical intra-uterine infection, preterm labor and neonatal disease. Neonatology, The cutting Edge. Sparrow Hospital. Ypsilanti, MI. September 28-29, 1998.

Prenatal Medicine: The child is the father of the man; The role of the fetus in the onset of preterm parturition; Color Doppler in obstetrics. 10th Congress of the Federation of the Asia and Oceania Perinatal Societies. Seoul, Korea. October 24-28, 1998.

The role of the human fetus in signaling the onset of premature labor: Why has tocolysis failed?; Prenatal diagnosis of skeletal dysplasias. 8th World Congress on Ultrasound in Obstetrics and Gynecology. International Society of Ultrasound in Obstetrics and Gynecology. Edinburgh, Scotland. November 1-5, 1998.

Sub-clinical intra-uterine infection as a cause of cerebral palsy. 3rd Annual Roy H. Petrie, M.D., Sc.D. Memorial Symposium on Maternal-Fetal Medicine: State of the Art for 1999. St. Louis, MO. November 21, 1998.

New developments in our understanding of preterm labor. Jamaica Hospital and New York Hospital Medical Center of Queens, Cornell University Medical Center, Lincoln Medical and Mental Health Center. December 7-8, 1998.

Subclinical intra-uterine infection and cerebral palsy. New York Obstetrical Society. New York, NY. December 8, 1998.

Skeletal anomalies; Doppler; Accreditation of ultrasound units; Ectopic pregnancy; Fetal blood sampling; CVS and amniocentesis. Prenatal Diagnosis of Congenital Anomalies. Nashville, TN. December 3-6, 1998.

The premature labor syndrome: Implications for clinical management. Lenox Hill Hospital. New York, NY. December 9, 1998.

The role of infection in preterm birth; Subclinical intra-uterine infection and cerebral palsy; The child if the father of the man. Spring Symposium, 1999. Medical University of South Carolina. Charleston, SC. April 5-7, 1999.

The role of infection and possibilities of screening for premature labour syndrome. International Symposium on Screening Methods in Obstetrics and Gynaecology, Clinical Aspects. Bologna, Italy. April 15-17, 1999.

Premature rupture of membranes. All Michigan Review Course. Southfield, MI. May 10-14, 1999.

Mechanisms of cervical ripening. Theoretical course, Cervical Assessment. Fetal Medicine Foundation. London, UK. July 3, 1999.

Role of the human fetus in the onset of labor. NICHD Aspen Conference, 1999. Aspen, CO. August 25-28, 1999.

The preterm labor syndrome; The role of infection in preterm PROM; Can prematurity be prevented? The role of the human fetus in preterm labor; Prematurity and cerebral palsy; Skeletal defects, Prenatal Diagnosis 1 & 2. Theoretical course, Diploma in Fetal Medicine. The Fetal Medicine Foundation, London, UK. September 6-18, 1999.

Clinical management of preterm labor; Preterm PROM; Cervical incompetence; Diagnosis and treatment of chorioamnionitis. Columbus Comprehensive Review Course. Columbus, OH. October 8, 1999.

The role of the human fetus in the onset of premature labor. Carlyle Crenshaw, M.D. Lectureship in Maternal-Fetal Medicine, University of Maryland, Baltimore, MD. October 16, 1999.

Issues in obstetrics: Infection as an obstetric complication. CDC Workshop on Infection in Pregnancy and Neurodevelopment. Atlanta, GA. November 30 - December 1, 1999.

The preterm labor syndrome; Can prematurity be prevented? The role of the human fetus in preterm labor; Management and timing of delivery in case of preterm labor and preterm PROM. Preterm Labor: Diagnosis and Therapy. Centro Italiano Congressi CIC Sud. Bari, Italy. February 24-26, 2000.

Interleukines. Stress, Hormones and Human Parturition. Università Degli Studi Di Udine. Udine, Italy. February 27-29, 2000.

The fetal inflammatory response syndrome. Havemeyer Workshop on Uterine Infection. Naples, FL. March 3-5, 2000.

Obstetrics 2000: The past, present and future of the great obstetrical syndromes. Mini symposia. 47th Annual Scientific Meeting of the Society for Gynecologic Investigation. March 25, 2000.

Subclinical intra-uterine infection - A cause of cerebral palsy; The fetal inflammatory response syndrome; The evaluation of the uterine cervix and the role of cervical cerclage on the prevention of prematurity. OB Challenges of the New Millennium. Phoenix, AZ. April 6-8, 2000.

Subclinical uterine infection as a cause of cerebral palsy; The cervix in predicting prematurity - when to cerclage? 71st Annual Combined Meeting of the Texas Association of Obstetricians & Gynecologists/Texas Section ACOG District VII. San Antonio, TX. April 7, 2000.

The fetal inflammatory response syndrome; The role of infection in the genesis of cerebral palsy. Grand Rounds and the J. Ross Vant Memorial Lecture. University of Alberta. May 4-6, 2000.

Maternal Mortality: A Continuing Problem. American College of Obstetricians and Gynecologists 48th Annual Clinical Meeting, San Francisco, CA. May 23, 2000.

Prenatal Diagnosis of Congenital Anomalies (course). Chicago, IL June 1-4, 2000.

Ectopic pregnancy: Current concepts for diagnosis and management. Practical Ultrasonography for the Obstetrician-Gynecologist. American College of Obstetricians and Gynecologists. Mackinac Island, MI. July 13-15, 2000.

The role of infection in the genesis of cerebral palsy; Ultrasound examination of the uterine cervix and cervical cerclage. Recent Advances in Obstetrics and Gynecology. Cincinnati, OH. August 12, 2000.

Fetal aspects of preterm labor and preterm premature rupture of membranes. Issues in Contemporary Research. National Medical Association. Washington DC. August 16, 2000.

The role of the fetus in onset of labor. Perinatal Medicine (session). 12th Annual NICHD Aspen Conference. August 26, 2000.

The fetal inflammatory response syndrome. Grand Rounds. Columbia University College of Physicians and Surgeons, New York, New York. September 14, 2000.

Cervical sonography and cervical cerclage. MFM/Neonatal Conference. Sloane Hospital for Women, New York, NY. September 14, 2000.

Ultrasound examination of the cervix; Doppler in obstetrics (uterine and umbilical). Advanced Sonography Symposium in OB/GYN. Boston, MA. September 22-24, 2000.

The role of ultrasound in the prevention of preterm delivery; Ultrasound in the evaluation of the patient with acute preterm labor. 10th World Congress on Ultrasound in Obstetrics and Gynecology. International Society of Ultrasound in Obstetrics and Gynecology. Zagreb, Croatia. October 4 - 7, 2000.

Subclinical and clinical infection during pregnancy in the genesis of cerebral palsy. Annual Meeting of the Central Association of Obstetricians and Gynecologists. Chicago, IL. October 19, 2000.

Prematurity—The need for a paradigm shift; The role of infection in premature labor and birth. Confronting Preterm Birth in the 21st Century. Autumn in New York Symposium. New York, NY. November 10 - 11, 2000.

Sonographic evaluation of the uterine cervix during pregnancy; Does a short cervix predict preterm delivery and can a cervical cerclage prevent it?; 45th Annual Convention of the American Institute of Ultrasound in Medicine. Orlando, FL. March 12, 2001.

The role of infection in preterm labor and delivery; Evaluation of the uterine cervix and the role of a cervical cerclage. 26th Annual Perinatal Conference, Toledo, OH. April 24, 2001.

Sonographic examination of the uterine cervix in preterm labor, incompetent cervix and in the prediction and prevention of preterm delivery. American College of Obstetricians and Gynecologists 50th Anniversary Annual Clinical Meeting, Chicago, IL. April 30, 2001.

The fetal inflammatory response syndrome. The Nelson J. Eastman Lectureship. Johns Hopkins University School of Medicine, Baltimore, MD. May 11, 2000.

The relationship between infection and cerebral palsy in the premature baby. Difficult Issues in the Obstetrics & Gynecology Practice, Robert Wood Johnson Medical School, New Brunswick, NJ. May 18, 2001.

The role of ultrasound in the prevention of delivery. 9th Congress of the German Society of Prenatal Medicine and Obstetrics, Bonn, Germany. June 2, 2001.

Why are babies born premature? Summer Lecture Series, National Institutes of Health, Bethesda, MD. July 24, 2001.

The uterine cervix and prevention of preterm birth; Pathophysiology of preterm delivery; Fetal cardiac function relevant to understanding of blood flow in fetal vessels; The potential impact of cervical screening on preterm delivery rates. 11th World Congress on Ultrasound in Obstetrics and Gynecology. Melbourne, Australia. October 23-28, 2001.

The role of the fetus in onset of labor. 13th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal Reproductive Medicine. Aspen, CO. August 25, 2001.

Preterm labor: Is the fetus trying to tell us something? 2001 Frances Glenn Mayson Symposium, Atlanta, GA. November 10, 2001.

The role of subclinical infection in the genesis of cerebral palsy. Augusta Obstetrical Gynecological Society, Augusta, GA. November 13, 2001.

Premature labor and the fetal inflammatory response syndrome. Grand Rounds. Medical College of Georgia, Augusta, GA. November 14, 2001.

The fetal inflammatory response syndrome. The Obstetrical Society of Philadelphia. December 13, 2001.

The role of subclinical infection in the genesis of cerebral palsy. First Annual Blockley Lecturer. Obstetrical Society of Philadelphia, Philadelphia, PA. December 13, 2001.

The fetal inflammatory response syndrome. Pennsylvania Hospital, December 14, 2001.

Antepartum surveillance in preterm labor. Scientific forum on Ultrasound. 22nd Annual Meeting of the Society for Maternal-Fetal Medicine. New Orleans, LA. January 16, 2002.

The fetal inflammatory response syndrome. UCP/Little Foundation Workshop on Roles for Cytokines in Development Disease. Boston, MA. April 22-23, 2002.

Sonographic examination of the uterine cervix in preterm labor of the incompetent cervix and the prediction of preterm delivery. American College of Obstetricians and Gynecologists, Los Angeles, CA. May 6, 2002.

A role for the human fetus in the control of premature birth (keynote address). Resident Retreat II. University of Arkansas. May 9, 2002.

Sonographic examination of the uterine cervix: preterm labor, incompetent cervix, and cervical cerclage. Grand Rounds, Cleveland, OH. May 29, 2002.

The fetal inflammatory response syndrome. European Congress of Perinatal Medicine. Oslo, Norway. June 22, 2002.

Intra-uterine infection, preterm birth, and the fetal inflammatory response syndrome. Wellcome Trust - USAID Workshop on Nutrition as a Preventative Strategy Against Maternal Pregnancy Outcomes. Merton, College, Oxford UK. July 17-20, 2002.

The child is the father of man/woman: Fetal origins of adult disease. 14th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal Reproductive Medicine. Aspen, CO. August 24, 2002.

The fetus: The child is the father of the man. St. John Hospital and Medical Center, Detroit, MI. September 4, 2002.

Differential diagnosis of fetal disease with ultrasound: An interactive, multimedia experience (course director). 12th World Congress on Ultrasound in Obstetrics and Gynecology, New York, NY. November 2-7, 2002.

Ultrasound of the uterine cervix and cervical cerclage. Jamaica Hospital, New York Hospital Medical Center of Queens, Weill Medical College of Cornell University. December 16, 2002.

Where do we go from here? The role of genomics, proteomics and genetics. 2003 Society for Maternal-Fetal Medicine Annual Meeting, San Francisco, CA. February 3-8, 2003.

Ultrasound of the uterine cervix and cervical cerclage; The child is the father of the man. William Beaumont Hospital, Royal Oak, MI. March 6, 2003.

Infection/inflammation, cytokines. Biomarkers of preterm delivery workshop. Michigan State University, East Lansing, MI. March 21-22, 2003.

Sonographic examination of the uterine cervix in preterm labor. 51st Annual Clinical Meeting, American College of Obstetricians and Gynecologists, New Orleans, LA. April 26-30, 2003.

Prevention of preterm birth. Keynote Speaker, 25th Year of the National Perinatal Epidemiology Unit, Oxford, UK, October 2, 2003.

The Child is the Father of the Man; Fetal Growth Disorders; Prematurity: The Cervix as an Indicator of PTL and Cervical Incompetence; and Interactive Session with Cases of Fetal Abnormalities, Difficult Diagnosis of Congenital Anomalies. Obstetric Ultrasound in the High Risk Patient. Las Vegas, NV, October 10-12, 2003.

Mechanisms of preterm labour; and Oxytocin antagonists for tocolysis. Pre-Term Labour Study Group. Royal College of Obstetricians and Gynaecologists. London, UK October 21-23, 2003.

The Fetal Inflammatory Response Syndrome, and The Role of Antenatal Infection in Cerebral Palsy. Neonatology 2003. University of Miami School of Medicine. Miami, FL. November 12-15, 2003.

New discoveries in the association between perinatal infection and brain injury. 5th Annual Pediatric-Obstetric Center for Research and Education Consensus Conference. Ft. Lauderdale, FL. November 19, 2003.

Preterm Labor. 16th Annual NICHD Aspen Conference. Aspen, CO, August 25-28, 2004.

Simpson Lecture - Novel aspects of neutrophil biology in human pregnancy. Edinburgh, UK, August 29-30, 2004.

Differential diagnosis of fetal disease with ultrasound. 14th World Congress on Ultrasound in Obstetrics and Gynecology. Stockholm, Sweden, August 31, 2004.

Ian Donald Gold Medal Lecture; and Prediction of preterm labour. 14th World Congress on Ultrasound in Obstetrics and Gynecology. Stockholm, Sweden, September 1-4, 2004.

Subclinical infection, prematurity, and cerebral palsy. World Symposium of Perinatal Medicine. Boston, MA. October 28-30, 2004.

Fetal Inflammatory Response Syndrome. 23rd Annual Fall Symposium, Autumn in New York, 2004. New York, NY. November 12-14, 2004.

Prematurity. March of Dimes New Jersey Chapter Conference - "The Prematurity Summit: The Up-Hill Climb to Conquer Prematurity". Princeton, NJ. November 19, 2004.

Failure of physiologic transformation of the spiral arteries. In: Practical problems of the placenta in perinatal medicine. Annual Meeting of the Society for Maternal-Fetal Medicine, Reno, NV, February 8, 2005.

Fetal Inflammatory Response Syndrome, Lake Arrowhead Bio-Marker Conference, Lake Arrowhead, CA. March 21, 2005.

Preterm Delivery; Mini-symposia. Society for Gynecologic Investigation, Los Angeles, CA. March 24, 2005.

Bacterial Vaginosis, the Inflammatory Response and the Risk of Preterm Labor Mini-symposia, Society for Gynecologic Investigation, Los Angeles, CA. March 25, 2005.

Pathogenic pathways of preterm delivery: Basic principles for the clinician. 1st International IVI Congress: Reproductive and Maternal-Fetal Medicine. Valencia, Spain. April 29, 2005.

Ultrasound in Fetal Infection. Ian Donald Course on Ultrasonography in Perinatal Medicine and Gynecology. Barcelona, Spain. May 23, 2005.

Molecular Insights. 1st SGI International Summit Preterm Birth. Siena, Italy. November 10-12, 2005.

The Role of Infection in Premature Labor, Delivery and Fetal Injury. 1st Annual Obstetrics & Gynecology Symposium. Texas Tech University Health Sciences Center, El Paso, TX, April 7-8, 2006.

The Preterm Labour Syndrome Syndrome and Proteomics and Metabolomics – Their Viability as Diagnostic Tools for the Future. 3rd International Preterm Labour Congress, Montreaux, Switzerland, April 27-29, 2006.

Maternal Death and Neutrophil Biology During Pregnancy. 18th Annual NICHD Aspen Conference. Aspen, CO. August 23-26, 2006.

Preterm Births: The Pathogenesis. 4th National Health Disparity Conference. Why Our Babies Die. Nashville, TN. September 18-20, 2006.

Maternal Death and Neutrophil Biology During Pregnancy. Perinatal Research Society, 37th Annual Meeting, Lake Arrowhead, CA. October 6-8, 2006.

New Frontiers in 3D Ultrasound. 40 Years of Ultrasound at Yale. New Haven, CT. October 13-15, 2006.

Three difficult cases in fetal echocardiography. Fetal Cardiology. 27th Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. February 5, 2007.

The child is the father of the man. Second Annual Hamid Bin Khalifa Endowed Lecture, Weill Cornell Medical College and Education City, Qatar. February 25, 2007.

Uterine cervix, cervical insufficiency, preterm labor and cerclage. United Arab Emirates University, Dubai. February 26, 2007.

Methods for studying genetic influences. Preterm Delivery: Genetic Epidemiology Studies of Preterm Birth. 54th Annual Scientific Meeting of the Society for Gynecologic Investigation. Las Vegas, NV. March 16, 2007.

The uterine cervix in preterm labor and cervical insufficiency. Rudy E Sabbagha Lectureship in Diagnostic Ultrasound. Northwestern University Feinberg School of Medicine, May 25, 2007.

The role of infection/inflammation in premature labor and fetal injury. James M. Cuzzo Memorial Lecture. Annual CRRWH Research Retreat, Philadelphia, PA. May 30, 2007.

The role of subclinical infection in premature labor, delivery and fetal injury. Keynote Speaker, Resident Research Day, University of South Florida College of Medicine, Tampa, FL, June 15, 2007.

Risk assessment for preeclampsia and miRNA; and Inflammation in term and preterm labor. International Federation of Placenta Associations, Kingston, Canada, August 19, 2007.

Infection and inflammation as mechanisms of disease for preterm labor and fetal injury. 19th Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine. Aspen, CO, August 22-26, 2007.

The role of infection in preterm labor; The role of progesterone in pregnancy maintenance; and High dimensional biology in premature labor. 8th World Congress of Perinatal Medicine. Florence, Italy, September 9-12, 2007.

The preterm parturition syndrome. Universita degli Studi de Siena, September 13, 2007.

Ultrasound of the cervix in premature labor and cervical insufficiency: the role of cerclage; and The role of infection in preterm labor and fetal injury. University of Padova, Italy. September 17, 2007.

The evolution of genetic association studies: from candidate genes to whole genome studies. American Gynecological Obstetrical Society, Chicago, IL, September 29, 2007.

Infection and cerebral palsy. The World Symposium of Perinatal Medicine. San Francisco, CA, October 4-6, 2007.

Angiogenesis and anti-angiogenesis in preeclampsia and intra-uterine growth restriction. International Society of Ultrasound in Obstetrics and Gynecology, Florence, Italy. October 7, 2007.

Redefining the great obstetrical syndromes. 74th Annual Meeting of the Central Association of Obstetricians and Gynecologists, Chicago, IL. October 17-18, 2007.

Genetic and environmental factors in the genesis of fetal anomalies. Third Meeting of the International Academy of Perinatal Medicine, Budapest, Hungary. November 23, 2007.

The uterine cervix, cervical insufficiency, preterm delivery and cerclage. Fifth Meeting of the Hungarian Branch of the Ian Donald Inter-University School of Medical Ultrasound, November 24, 2007.

The role of infection and inflammation in pre-term parturition and fetal injury. Keynote address at the Cervical and Vaginal Ecology-Impact on Health and Reproduction, Lund, Sweden, December 12, 2007.

The role of high dimensional biology in maternal-fetal medicine. 28th Annual Society for Maternal-Fetal Medicine, Dallas, TX. January 28-February 2, 2008.

The role of infection and inflammation in preterm labor and delivery. National Institutes of Environmental Health Sciences, NIH, DHHS. Durham, NC, February 25, 2008.

The role of the NIH for research in Obstetrics and Gynaecology. 20th European Congress of Obstetrics and Gynaecology, Lisbon, Portugal. March 4 - 8, 2008.

Intrauterine infection/inflammation, preterm parturition, and fetal injury. American Society for Reproductive Immunology. Chicago, IL. June 10-14, 2008

State of the science and public health impacts. (Moderator). Surgeon General's Conference on the Prevention of Preterm Birth. Rockville, MD. June 16-17, 2008.

Infection/inflammation, preterm labor, and fetal brain injury. 20th Annual NICHD Aspen Conference, Aspen, CO, August 20-22, 2008.

Differential diagnosis of congenital anomalies (Course Director). 18th World Congress on Ultrasound in Obstetrics and Gynecology, Chicago, IL. August 23, 2008.

The uterine cervix in preterm labor and cervical insufficiency: an interactive experience; and 2) The role of infection and inflammation in preterm parturition and fetal injury; University of Chicago, Chicago, IL, August 24, 2008.

The role of infection in the genesis of cerebral palsy: the fetal inflammatory response syndrome; 2) Should all pregnancies undergo routine cervical length measurements for prediction and prevention of preterm birth?; and 3) Are we ready for predicting the risk for preeclampsia to improve outcomes? 16th World Congress for the Study of Hypertension in Pregnancy, Washington DC, September 21 – 24, 2008.

Identification of preterm labor through new tools in molecular biology (genomics, proteomics, metabolomics). Obstetrics Forum 2008: Uterine Contractility. Amsterdam, The Netherlands. October 24-25, 2008.

Infections and preterm birth – New Molecular insights. Infection, inflammation and immunity in pregnancy. Frontiers in Pregnancy Research. Denver, CO, November 13-14, 2008.

Preterm Birth: Complex Disease or Syndrome? Preventing Prematurity: Establishing a Network for Innovation and Discovery. A Joint Symposium of the Burroughs Wellcome Fund and March of Dimes. Dallas, TX, December 1-3, 2008.

Infection/Inflammation in preterm labor and fetal injury. Hot Topics in Perinatal Medicine. Charite University, Berlin, Germany. January 30-31, 2009.

Cervical sonography to predict and diagnose premature labor; The role of progesterone in the prevention of preterm birth. Prematurity Induction of labor and postpartum hemorrhage. University of Athens, Greece. February 3, 2009.

Inflammation, Infection and Cerebral Palsy. 2nd Yale Obstetrical and Gynecological Society. New Haven, CT, April 25, 2009.

High dimensional biology to address preterm birth. Global Alliance to Prevent Prematurity and Stillbirth International Conference on Prematurity and Stillbirth. Seattle WA May 7-10, 2009.

The role of intrauterine infection and inflammation in cerebral palsy; The uterine cervix. University of Iowa, Grand Rounds. May 19, 2009.

Subclinical intrauterine infection as a cause for cerebral palsy; The Role of Infection and Inflammation in Preterm Labor and Fetal Injury; The Uterine Cervix in Preterm Labor, Cervical Insufficiency and Cervical Cerclage. 2009 William Tooley Lectureship, University of California, San Francisco, CA. June 16-19, 2009.

The role of infection and inflammation; Teratology Society 49th Annual Meeting, Rio Grande, Puerto Rico. June 27, 2009.

Infection/inflammation, preterm labor, and fetal brain injury. 2009 NICHD Aspen Conference on Maternal Fetal, Neonatal, Reproductive Medicine. August 26-29, 2009.

Cervical ultrasound to identify the patient who may benefit from progestagens to prevent preterm birth. 2009 Annual Meeting of the International Society of Ultrasound in Obstetrics and Gynecology, Hamburg, Germany, September 15-18, 2009.

The role of infection and inflammation in preterm parturition and fetal injury: Setting the stage for neonatal disease. 2009 American Academy of Pediatrics, Section on Perinatal Pediatrics Annual Meeting, Washington DC, October 16-20, 2009.

Subclinical intrauterine infection/inflammation and cerebral palsy. University of Vermont, Grand Rounds, October 21, 2009.

Keynote address: Prediction and prevention of preterm birth; Progesterone—prevention and treatment of premature labor?” World Congress of Perinatal Medicine, Berlin, Germany, October 24-28, 2009.

Keynote address: Mechanism of disease for preterm parturition; Progestins in the Prevention of preterm birth. 5th Annual Meeting of the International Academy of Perinatal Medicine, Dubrovnik, Croatia; October 31 – November 1, 2009.

The role of intrauterine infection in the genesis of cerebral palsy; The preterm parturition syndrome. Miami Neonatology 2009 conference. Miami, FL, November 12-14, 2009.

Intra-amniotic infection: Pathway, microbiology, diagnosis, and treatment; Progestins for the prevention of preterm birth: What is the real story? VIII Annual Meeting of the Iberoamerican Society for Prenatal Diagnosis and Therapy. Miami, FL, December 6-7, 2009.

Fetal brain injury and intrauterine infection: Molecular imaging for diagnosis and nanotechnology for treatment. Society for Maternal-Fetal Medicine Luncheon Roundtable, Chicago, Illinois, February 2, 2009.

Progesterone vs 17-OHPC for the prevention of preterm birth: What agent, what patient, risk and benefits? Society for Maternal-Fetal Medicine Luncheon Roundtable, Chicago, IL, February 4, 2009.

ABSTRACTS PRIOR TO 2005:

Romero R, Kadar N, Chervenak FA, DeCherney A, Berkowitz RL, Hobbins JC. Combined use of ultrasound and serial hCG titers in the pre-operative diagnosis of ectopic pregnancy. Presented at the Society for Gynecological Investigation Annual Meeting, March 24-27, 1982. Dallas, TX.

Romero, R, Snyder E, Rickles F, Scott D, Dinan C, Reilly CA, Duffy JP, Hobbins, JC. The clinical significance and mechanism of thrombocytopenia in pregnancy-induced hypertension (PIH). Presented at the Society for Gynecological Investigation Annual Meeting, March 24-27, 1982. Dallas, TX.

Duff GW, **Romero R**. The diagnosis of chorioamnionitis with the limbus amebocyte assay. American Federation for Clinical Research, 1982.

Chervenak FA, **Romero R**, Scott D, Tortora M, Berkowitz RL, Hobbins JC. A comparison of total intra-uterine volume and estimated fetal weight as predictions of intra-uterine growth retardation (IUGR). Presented at the Society for Gynecological Investigation Annual Meeting, March 24-27, 1982. Dallas, TX.

Romero, R, Duff GW. A rapid and sensitive test for the detection of Gram negative chorioamnionitis. Presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 27-29, 1983. San Antonio, TX.

Romero R, Jeanty P, Reece EA, Grannum P, Berkowitz RL, Hobbins JC. A new technique of sonographically monitored amniocentesis: description and evaluation. Presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 27-29, 1983. San Antonio, TX.

Jeanty P, **Romero R**, Hobbins JC. Fetal pericardial fluid: a normal finding in the second half of the gestation. Presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 27-29, 1983. San Antonio, TX.

Jeanty P **Romero R**, Hobbins JC. Pericardial effusion: a normal finding. Presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 27-29, 1983. San Antonio, TX.

Romero R, Kadar N, Chervenak FA. A prospective study of the accuracy and usefulness of the discriminatory hCG zone in the preoperative diagnosis of ectopic pregnancy. Presented at the American Fertility Society Meeting, April 16-20, 1983.

Romero R, Kadar N, Jeanty P, Chervenak FA, Hobbins JC, DeCherney AH. A prospective study of the accuracy and usefulness of the discriminatory hCG zone in the preoperative diagnosis of ectopic pregnancy. XI World Congress on Fertility and Sterility Abstracts, June 26-July 1, 1983. Dublin, Ireland.

Romero R, Kadar N, Hobbins JC, DeCherney AH. The value of culdocentesis in the modern diagnosis of ectopic pregnancy. XI World Congress on Fertility and Sterility Abstracts, June 26-July 1, 1983. Dublin, Ireland.

Jeanty P, Cousaert E, Cantraine F, **Romero R**. What is the estimated fetal weight at each gestational age? Presented at the Annual Meeting, American Institute of Ultrasound in Medicine, October 16-21, 1983. New York, NY.

Romero R, Jeanty P, Reece EA, Grannum P, Berkowitz RL, Hobbins JC. Sonographically monitored amniocentesis: a new technique to decrease the incidence of bloody and dry midtrimester taps. Presented at the Annual Meeting, American Institute of Ultrasound in Medicine, October 16-21, 1983. New York, NY.

Romero R, Duff G, Hobbins JC. The sensitivity of the limulus amebocyte lysate gelatin assay in the detection of endotoxin in amniotic fluid. Presented at the Society for Gynecologic Investigation Annual Meeting, March 21-24, 1984. San Francisco, CA.

Romero R, Kadar N, Copel JA, Jeanty P, DeCherney A, Chervenak FA, Hobbins JC. A prospective study of the discriminatory hCG zone and its value in the pre-operative diagnosis of ectopic pregnancy. Presented at the Society for Gynecologic Investigation Annual Meeting, March 21-24, 1984. San Francisco, CA.

Romero R, Cullen M, Grannum P, Jeanty P, Reece EA, Venus I, Hobbins JC. The accuracy of the antenatal diagnosis of renal agenesis. Presented at the Society for Gynecologic Investigation Annual Meeting, March 21-24, 1984. San Francisco, CA.

Jeanty P, **Romero R**, Crelin E, Hobbins JC. The interhemispheric fissure: a commonly mislabeled cranial landmark. Presented at the Annual Meeting, American Institute of Ultrasound in Medicine, September 16-19, 1984.

Jeanty P, **Romero R**, Hobbins JC. Fetal limb volume: a new parameter for the evaluation of fetal well-being. Presented at the Annual Meeting, American Institute of Ultrasound in Medicine, September 16-19, 1984.

Jeanty P, **Romero R**, Venus I, Hobbins JC. The in utero diagnosis of hand and foot deformities. Presented at the Annual Meeting, RSNA, November 25, 1984.

Romero R, Mitchell MD, Duff GW, Durum S, Hobbins JC. A possible mechanism for premature labor in Gram-negative maternal infection: a monocyte product stimulates prostaglandin release by the amnion. Presented at the Society for Gynecologic Investigation 32nd Annual Meeting, March 20-23, 1985. Phoenix, AZ.

Romero R, LaFranier D, Duff GW, Durum S. Human decidua: a potent source of interleukin-1-like activity. Presented at the Society for Gynecologic Investigation 32nd Annual Meeting, March 20-23, 1985. Phoenix, AZ.

Romero R, Mitchell MD, LaFranier D, Duff GW, Durum S. Endotoxin inhibits prostaglandin E-2 release by amnion. Presented at the Society for Gynecologic Investigation 32nd Annual Meeting, March 20-23, 1985. Phoenix, AZ.

Romero R, Horgan JG, Koharn EI, Kadar N. New criteria for the early diagnosis of gestational trophoblastic disease (GTD). Presented at the Society for Gynecologic Investigation 32nd Annual Meeting, March 20-23, 1985. Phoenix, AZ.

Barnea ER, Benveniste R, **Romero R**, Scommegna A, DeCherney AH. Alpha-hCG, hCG and 18 OH progesterone (17 OHP) secretion in patients with ectopic pregnancy. Presented at the Society for Gynecologic Investigation 32nd Annual Meeting, March 20-23, 1985. Phoenix, AZ.

Romero R, Lockwood CJ, Emamian M, Visozo J, Duffy T, Hobbins JC. The pregnancy, natural history and clinical significance of thrombocytopenia in pregnancy. Presented at the Sixth Annual Meeting, Society of Perinatal Obstetricians, January 30-February 1, 1986. San Antonio, TX.

Romero R, Durum S, Dinarello C, Hobbins JC, Mitchell MD. Cellular and biochemical mechanisms for the onset of labor in intra-amniotic infections. Presented at the Sixth Annual Meeting, Society of Perinatal Obstetricians, January 30-February 1, 1986. San Antonio, TX.

Romero R, Mathisen J, Pilu G, Jeanty P, Mahoney MJ, Hobbins JC. Is sonography a reliable diagnostic tool in the prenatal diagnosis of open spina bifida? Presented at the Sixth Annual Meeting, Society of Perinatal Obstetricians, January 30-February 1, 1986. San Antonio, TX.

Romero R, Jeanty P, Pilu G, Touloukian R, Costigan K, Hobbins JC. The prenatal diagnosis of duodenal atresia. Does it make any difference? Presented at the Sixth Annual Meeting, Society of Perinatal Obstetricians, January 30-February 1, 1986. San Antonio, TX.

Romero R, Emamian M, Quintero R, Hobbins JC. Is intra-amniotic infection the cause of labor in preterm premature rupture of membranes? Presented at the Sixth Annual Meeting, Society of Perinatal Obstetricians, January 30-February 1, 1986. San Antonio, TX.

Romero R, Emamian M, Quintero R, Hobbins JC, Edberg S. The value and limitations of the Gram stain examination of amniotic fluid in the detection of intra-amniotic infection. Presented at the Sixth Annual Meeting, Society of Perinatal Obstetricians, January 30-February 1, 1986. San Antonio, TX.

Romero R, Emamian M, Quintero R, Scioscia AL, Hobbins JC, Edberg S. The value of acridine orange stain in the detection of intra-amniotic infection. Presented at the Society for Gynecologic Investigation 33rd Annual Meeting, March 19-22, 1986. Toronto, Ontario, Canada.

Romero R, Durum S, Dinarello C, Hobbins JC, Mitchell MD. Cellular and biochemical mechanisms for the onset of labor in intra-amniotic infection. Presented at the Society for Gynecologic Investigation 33rd Annual Meeting, March 19-22, 1986. Toronto, Ontario, Canada.

Romero R, Emamian M, Quintero R, Hobbins JC, Mitchell MD. Are amniotic fluid prostaglandins elevated in intra-amniotic infections? Presented at the Society for Gynecologic Investigation 33rd Annual Meeting, March 19-22, 1986. Toronto, Ontario, Canada.

Romero R, Durum S, Dinarello C, Hobbins JC, Mitchell MD. Interleukin-1 (IL-1): A signal for the onset of labor in chorioamnionitis. Presented at the Society for Gynecologic Investigation 33rd Annual Meeting, March 19-22, 1986. Toronto, Ontario, Canada.

Romero R, Wan M, Hobbins JC, Mitchell MD. Amniotic fluid levels of lipoxygenase products are increased during spontaneous human labor. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987. Atlanta, GA.

Romero R, Wu YK, Hobbins JC, Mitchell MD. Is there a role for epidermal growth factor in the onset of labor? Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987. Atlanta, GA.

Romero R, Wan M, Hobbins JC, Mitchell MD. Amniotic fluid levels of lipoxygenase products in intra-amniotic infections. Presented at the 34th Annual Meeting of the Society for Gynecologic Investigation, March 18-21, 1987. Atlanta, GA.

Romero R, Salafia C, Mazor M, Quintero R, Emamian M, Hobbins JC. The microbiologic significance of pathologic placental chorioamnionitis. Presented at the Eighth Annual Meeting of the Society of Perinatal Obstetricians, February 3-6, 1988. Las Vegas, NV.

Romero R, Manogue K, Wu YK, Hobbins JC, Ceram A, Mitchel M. Tumor necrosis factor (TNF): a signal for the initiation of labor in chorioamnionitis. Presented at the Eighth Annual Meeting of the Society of Perinatal Obstetricians, February 3-6, 1988. Las Vegas, NV.

Romero R, Wu YK, Hobbins JC, Mitchell MD. A monokine stimulates prostaglandin production by human amnion. Presented at the Eighth Annual Meeting of the Society of Perinatal Obstetricians, February 3-6, 1988. Las Vegas, NV.

Romero R, Quintero R, Wu YK, Sabo V, Emamian M, Hobbins JC. Is intra-amniotic infection associated with the onset of labor in premature rupture of membranes? Presented at the Eighth Annual Meeting of the Society of Perinatal Obstetricians, February 3-6, 1988. Las Vegas, NV.

Romero R, Wu YK, Hobbins JC, Mitchell M. Leukotriene C4 in amniotic fluid during active labor. Presented at the Eighth Annual Meeting of the Society of Perinatal Obstetricians, February 3-6, 1988. Las Vegas, NV.

Romero R, Scoccia B, Wu YK, Hobbins JC, Benveniste R. Evidence for a local change in the estrogen/progesterone ratio in human parturition. Presented at the Eighth Annual Meeting of the Society of Perinatal Obstetricians, February 3-6, 1988. Las Vegas, NV.

Reece EA, Cole S, **Romero R**, Gabrielli S, O'Connor TZ, Hobbins JC. Ultrasonography versus amniotic fluid spectral analysis in the management of isoimmunization. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988. Baltimore, MD.

Romero R, Wu YK, Mazor M, Grzyboski C, Hobbins JC, Mitchell M. Amniotic fluid arachidonate lipoxygenase metabolites in women with premature labor. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988. Baltimore, MD.

Romero R, Wu YK, Mazor M, Grzybowski C, Hobbins J, Mitchell M. Amniotic fluid 5-hydroxyeicosatetraenoic acid (5-HETE) in women with premature and term labor. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988. Baltimore, MD.

Mazor M, **Romero R**, Scharf K, Emamian M, Ryan JL, Hobbins JC. The diagnostic value of gas liquid chromatography in the detection of intra-amniotic infection. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988. Baltimore, MD.

Scoccia B, **Romero R**, Wu YK, Benveniste R. Changes in amniotic fluid (AF) dehydroepiandrosterone sulfate (DHEAS) and progesterone/estrogen ratios during the onset of human labor. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988. Baltimore, MD.

Harris AN, Perlman M, Schiller SL, **Romero R**, Mitchell MD. Characterization of prostaglandin production in amnion-derived WISH cells. Presented at the 35th Annual Meeting of the Society for Gynecologic Investigation, March 17-20, 1988. Baltimore, MD.

Mitchell MD, **Romero R**. Characterization and mechanism of preterm labor associated with intra-amniotic infection. Submitted for presentation at the Society for the Study of Fetal Physiology, July 12-16, 1988. Cairns, Australia.

Mitchell MD, Stavros FD, **Romero R**, Lyuba V, Gibb W, Schiller SL. The regulation of arachidonic acid metabolism and human parturition. Submitted for presentation at the Society for the Study of Fetal Physiology, July 12-16, 1988. Cairns, Australia.

Mitchell MD, Stavros FD, **Romero R**, Varticovski L, Gibb W, Schiller SL. The control of prostaglandin biosynthesis in human amnion cells. Submitted for presentation to the First European Congress on Prostaglandins in Reproduction, July, 1988. Vienna, Austria.

Romero R, Oyarzun E, Mazor M, Hobbins JC, Bracken M. Meta-analysis of the effect of steroids in the prevention of respiratory distress syndrome in premature rupture of membranes. Presented at the 9th Annual Meeting of the Society of Perinatal Obstetricians, February 2-4, 1989. New Orleans, LA.

Romero R, Sirtori M, Oyarzun E, Mazor M, Wu YK, Callahan R, Avila C, Athanassiadis A, Hobbins JC. Prevalence, quantitative microbiology and significance of intra-amniotic infection in preterm labor with intact membranes. Presented at the 9th Annual Meeting of the Society of Perinatal Obstetricians, February 2-4, 1989. New Orleans, LA.

Romero R, Mazor M, Oyarzun E, Wu YK, Brody D, Hobbins JC, Durum S. Interleukin-1 and the initiation of preterm labor. Presented at the 9th Annual Meeting of the Society of Perinatal Obstetricians, February 2-4, 1989. New Orleans, LA.

Romero R, Sirtori M, Wu YK, Oyarzun E, Mazor M, Hobbins JC, Mitchell, MD. Amniotic fluid concentrations of prostaglandins in preterm labor. Presented at the 9th Annual Meeting of the Society of Perinatal Obstetricians, February 2-4, 1989. New Orleans, LA.

Romero R, Oyarzun E, Mazor M, Wu YK, Avila C, Mitchell MD. Bacterial endotoxin and tumor necrosis factor stimulate prostaglandin production by human decidua. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989. San Diego, CA.

Romero R, Oyarzun E, Stanley ER. Macrophage colony-stimulating factor in amniotic fluid. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989. San Diego, CA.

Romero R, Parvizi ST, Oyarzun E, Mazor M, Wu YK, Avila C, Athanassiadis A, Hobbins, JC, Mitchell, MD. Amniotic fluid interleukin-1 in spontaneous labor at term. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989. San Diego, CA.

Romero R, Oyarzun E, Centrella M. Transforming growth factor-beta-like bioactivity in human amniotic fluid. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989. San Diego, CA.

Dowling DD, **Romero R**, Mitchell MD, Lundin-Schiller S. Isolation of substances in amniotic fluid that regulate amnion prostaglandin (PG) E2 production: the effects of gestational age and labor. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989. San Diego, CA.

Winn HN, **Romero R**, Roberts A, Hobbins JC. Fetal lung maturation in twin gestations. Presented at the 36th Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1989. San Diego, CA.

Romero R, Avila C, Callahan R, Mazor M, Hobbins JC, Dinarello C. Interleukin-1-alpha Interleukin-1-beta in preterm labor and preterm premature rupture of membranes. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Romero R, Shamma F, Avila C, Jimenez C, Callahan R, Nores J, Hobbins JC. The prevalence, microbiology and clinical significance of intra-amniotic infection in twin gestation with preterm labor. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Romero R, Avila C, Callahan R, Jimenez C, Hanaoka S, Hobbins JC. Interferon-alpha and interferon-gamma in preterm labor. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Romero R, Hsu YC, Athanassiadis A, Hagay Z, Nores J, Avila C, Jimenez C, Sabo V, Hobbins JC. Preterm labor: a risk factor for retained placenta. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Romero R, Salafia C, Athanassiadis AP, Hanaoka S, Bracken M, Hobbins JC. The relationship between acute inflammatory lesions of the placenta and the microbiologic status of the amniotic cavity. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Romero R, Hanaoka S, Athanassiadis AP, Callahan R, Hsu YC, Oyarzun E, Avila C, Nores J, Jimenez C, Hobbins, JC. Meconium-stained amniotic fluid: a risk factor for intra-amniotic infection. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Romero R, Lohda AK, Jimenez C, Callahan R, Avila C, Nores J, Hanaoka S, Hobbins JC, Diamond M. Amniotic fluid glucose levels: a rapid, sensitive and inexpensive method for the diagnosis of intra-amniotic infection. Presented at the 10th Annual Meeting of the Society of Perinatal Obstetricians, January 23-27, 1990. Houston, TX.

Mitchell MD, Edwin S, Lepera R, Rittenhouse L, **Romero R**. Actions of endothelin 1 on prostaglandin production by gestational tissues. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990. St. Louis, MO.

Romero R, Avila C, Santhanam U, Sehgal PB. Interleukin-6: a major component of the host response to intra-uterine infection. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990. St. Louis, MO.

Romero R, Edwin S, Avila C, Foster JT, Wu YK, Mitchell MD. Prostaglandin production by amnion and decidual cells in response to bacterial products. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990. St. Louis, MO.

Romero R, Oyarzun E, Nores J, Parra M, Insunza A, Avila C, Hanaoka S, Hobbins, JC, Novitsky T, Behnke E. The prevalence, microbiology and clinical significance of intra-amniotic infection in spontaneous parturition at term. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990. St. Louis, MO.

Grannum P, Copel JA, **Romero R**, Hobbins JC. Prenatal fetal blood typing and IGG subclassing in the management of patients sensitized to red cell antigens. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990. St. Louis, MO.

Romero R, Avila C, Mitchell M. Endothelin-1 in human parturition. Presented at the 37th Annual Meeting of the Society for Gynecologic Investigation, March 21-24, 1990. St. Louis, MO.

Wojtacha DR, **Romero R**, Duff GW. IL-1: a mediator of premature labour associated with infection. Presented at the Edinburgh Meeting of the Materno-Fetal Immunobiology Group, September 13, 1990. Edinburgh, Scotland, United Kingdom.

Romero R, Mazor M, Avila C, Ceska M, Lindley I. Neutrophil activating peptide-1/interleukin-8 and intra-amniotic infection. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Quintero R, Nores J, Avila C, Mazor M, Sabo V, Hanaoka S, Hagay Z, Hobbins JC, Merchant L. Amniotic fluid white blood cell count: a simple test to diagnose intra-amniotic infection and to predict response to tocolysis. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Mazor M, Avila C, Hanaoka S, Sabo V, Hobbins JC, Copeland D, Williams J. Tumor necrosis factor in preterm and term labor. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Mazor M, Avila C, Morrotti R, Oyarzun E, Insunza A, Parra M, Behnke E, Montiel F, Cassel G. Prevalence, microbiology and clinical significance of microbial invasion of the amniotic cavity in term premature rupture of membranes. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Mazor M, Tartakovsky B. Interleukin-1 induces preterm parturition. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Mazor M, Wiznitzer A, Levy J, Glezerman M, **Romero R**. Term human parturition is associated with systemic and local changes in cortisol and estrogen concentrations. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Mazor M, Avila C, Quintero R, Munoz H. Uterine "allergy": a novel mechanism for preterm labor. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Moroder W, Sprodelt N, Sirtori M, Mazor M, Vergani P, Mandelli R. Spontaneous preterm parturition is associated with fetal growth acceleration. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Nova A, Sibai BM, Barton JR, **Romero R**, Bellat U, Mercer BM, Mitchell MD. Maternal plasma endothelin is increased in preeclampsia. Presented at the 11th Annual Meeting of the Society of Perinatal Obstetricians, January 28-February 2, 1991. San Francisco, CA.

Romero R, Santhanam U, Avila C, Viguet H, Ida N, Sakurai S, Sehgal PB. Interleukin-6 in intra-amniotic infection and human parturition. Presented at the 38th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 1991. San Antonio, TX.

Romero R, Gonzalez R, Sepulveda W, Brandt F, Ramirez M, Mazor M. Should an amniocentesis be performed before a cerclage operation in patients presenting with cervical dilatation in the midtrimester of pregnancy? Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Romero R, Mazor M, Sepulveda W, Brandt F, Gonzalez R, Ramirez M, Behnke E. Is bacterial endotoxin a cause of meconium passage in utero? Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Romero R, Ramirez M, Sepulveda W, Brandt F, Gonzalez R, Behnke E, Mazor M. Amniotic fluid glucose concentrations are reduced in term parturition and in cytologic amnionitis. Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Bulletti C, Bazzocchi G, **Romero R**, Prefetto RA, Mimmi P, Lanfranchi GA, Flamigni C. Extracorporeal perfusion of human uteri: a system to study the electromechanical events of myometrial contractility. Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Mazor M, **Romero R**, Kleinman D, Wiznitzer A, Glezerman M. Amniotic fluid interleukin-6 and prostaglandin E₂ are increased in term human parturition. Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Romero R, Mazor M, Tartakovsky B. Interleukin-1 receptor antagonist prevents interleukin-1-induced preterm parturition. Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Romero R, Sepulveda W, Mazor M, Dinarello C, Mitchell M. The natural interleukin-1 receptor antagonist blocks interleukin-1-induced prostaglandin production by human intra-uterine tissues: the basis for a novel approach to the treatment of preterm labor in the setting of infection. Presented at the Society of Perinatal Obstetricians Annual Meeting, February 3-8, 1992. Orlando, FL.

Romero R, Baumann P, Sepulveda W, Rittenhouse L, Barberio D, Behnke E, Cotton DB, Mitchell MD. The Effect of Spontaneous Rupture of Membranes, Labor and Microbial Invasion of the Amniotic Cavity on Amniotic Cavity on Amniotic Fluid Concentrations of Prostaglandins and Thromboxane B₂ at Term. Presented at the 60th Annual Meeting of the Central Association of Obstetricians and Gynecologists, October 14-16, 1992. Chicago, IL.

Romero R, Sepulveda W, Baumann P, Yoon BH, Brandt F, Gomez R, Mazor M, Sorokin Y, Cotton DB. The Preterm Labor Syndrome: Biochemical, Cytologic, Immunologic, Pathologic, Microbiologic, and Clinical Evidence that Preterm Labor is a Heterogeneous Disease. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:288 (A9).

Romero R, Sibai B, Caritis S, Paul R, Depp R, Klebanoff M, Sabo V, Evans J, McNellis D. Antibiotic Treatment of Preterm Labor with Intact Membranes: A Multicenter, Randomized, Double Blind, Placebo-Controlled Trial. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:288 (A10).

Romero R, Gomez R, Araneda H, Ramirez M, Cotton DB. Cervical Mucus Inhibits Microbial Growth: A Host Defense Mechanism to Prevent Ascending Infection in Pregnant and Non-Pregnant Women. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:312 (A57).

Romero R, Gonzalez R, Sorokin Y, Kenney J, Ramirez M, Sehgal P, Behnke E, Cotton DB. Evidence of Topographic Differences in Amniotic Fluid Interleukin-6 Concentrations During Spontaneous Active Labor at Term. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:365 (A242).

Romero R, Yoon B, Sepulveda W, Brandt F, Ramirez M, Kenney J, Sehgal P, Sorokin Y, Cotton DB. Preterm Labor and Intact Membranes: The Diagnostic and Prognostic Value of Amniotic Fluid White Blood Cell Count, Glucose Determination. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:311 (A54).

Romero R, Baumann P, Araneda H, Yoon B, Cotton DB, Fidel P. Evidence of Participation of the Soluble Tumor Necrosis Factor-Receptor (30 kDa) (sTNF-R) in the Host Response to Intra-uterine Infection in Preterm Labor. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:312 (A58).

Romero R, Bortolani C, Sepulveda W, Aguzzoli L, Cotton DB, Petraglia F. Placental-Pituitary-Adrenal Axis in Term and Preterm Parturition. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:332 (A115).

Romero R, Yoon BH, Baumann P, Mazor M, Gonzalez R, Araneda H, Kenney J, Sehga, P, Cotton DB. Which is the Best Rapid Test for the Evaluation of the Patient with Preterm Prom? A Comparison of Amniotic Fluid (AF) Glucose, AF-White Blood Cell Count, AF-Interleukin-6 and AF-Gram Stain. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:318 (A72).

Romero R, Baumann P, Fidel P, Ramire, M, Araneda H, Cotton DB. Systemic and Local Cytokine Profile in Endotoxin Induced Preterm Birth. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:377 (A284).

Mazor M, **Romero R**, Chaim W, Leiberman J, Glezerman M. Meconium Stained Amniotic Fluid is Associated with Maternal Infectious Morbidity in Patients with Preterm Delivery. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:427 (A474).

Mazor M, **Romero R**, Chaim W, Leiberman J, Glezerman M. A Comparison of the Clinical Profile of Mothers who Delivered Preterm SGA Neonates Versus Preterm AGA Neonates. Submitted for presentation to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA.

Yoon BH, **Romero R**, Roh C, Syn H, Ager J, Cotton DB, Kim, S. The Umbilical Artery Pulsatility Index is a Better Predictor of Fetal Acidemia, Hypoxemia, and Hypercarbia than the Biophysical Profile Score. Submitted for presentation to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA.

Hertelendy F, **Romero R**. Bacterial Endotoxin and Interleukin-1 Stimulate Arachidonic Acid Release and Metabolism by Human Myometrial Cells. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:311 (A56).

Mazor M, Chaim W, **Romero R**, Lazer S, Glezerman M. Is C-Reactive Protein of Clinical Value in the Diagnosis of Microbial Invasion of the Amniotic Cavity in Women with Preterm Premature Rupture of Membranes? Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:426 (A467).

Mazor M, Chaim W, **Romero R**, Sepulveda W, Glezerman M. Prevalence and Clinical Significance of Fungal Invasion of the Amniotic Cavity in Preterm Labor and Preterm PROM. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:426 (A468).

Mazor M, **Romero R**, Chaim W, Hershkowitz R, Levy J, Sepulveda W, Glezerman M. Evidence for a Local Change in the Progesterone/Estrogen Ratio in Preterm Parturition. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:327 (A97).

Mazor M, **Romero R**, Chaim W, Leiberman J, Glezerman M. A Comparison of the Clinical Profile of Mothers who Delivered Preterm SGA Neonates Versus Preterm AGA Neonates. Submitted for presentation to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA.

Pryde P, Qureshi F, Jacques S, Sherman S, Utte G, Cadieux M, Johnson M, Isada N, **Romero R**, Evans M. Monozygotic (MZ) Twin Concordance for Acrania: Evidence Supporting a Common Etiology of Rostral Neural Tube Defects (NTD). Submitted for presentation to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA.

Pryde P, Isada N, Johnson M, **Romero R**, Bartholomew F, Evans M. Diagnostic Amnioinfusion: Does Oligohydramnios Predispose to Infection? Submitted for presentation to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA.

Pryde P, Brandt F, Treadwell M, **Romero R**, Bawle E, Evans M. Prenatal Diagnosis of Chondrodysplasia Punctata, Conradi-Hunermann Type (CH) by Ultrasound: Arguments Against Level 1 Scanning. Submitted for presentation to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA.

Hallak M, Berry S, **Romero R**, Evans M, Cotton D. Maternal-Fetal Transfer of Magnesium Across the Human Placenta. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, CA. *Am J Obstet Gynecol* 1993;168:326 (A91).

Dombrowski M, Bottoms S, Saleh A, **Romero R**. Third Stage of Labor: Effect of Gestational Age. Presented to the Society of Perinatal Obstetricians Annual Meeting, February 8-13, 1993, San Francisco, California. *Am J Obstet Gynecol* 1993;168:427 (A472).

Seifer D, **Romero R**, Berlinsky D, Haning R. Absence of Cytokine Production by Preimplantation Human Embryos. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 -April 3, 1993, Toronto, Ontario, Canada and Proceedings p. 342 (P320).

Romero R, Sepulveda W, Gomez R, Cotton DB, Goulding NJ. Lipocortin-1 in term and preterm parturition. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada, and Proceedings p.217 (P70).

Baumann P, **Romero R**, Gonzalez R, Cotton DB, Wilson T. Gravidin in preterm labor. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p. 224. (P84).

Romero R, Gomez R, Araneda H, Yoon BH, Sepulveda W, Fidel P, Cotton DB. Evidence of participation of the soluble receptor for the endotoxin-endotoxin binding protein complex in the host response to intra-uterine infection in pregnancy. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.278 (P191).

Romero R, Gomez R, Yoon BH, Brandt F, Ramirez M, Behnke E, Sorokin Y, Cotton DB. Is oligohydramnios a risk factor for infection in term premature rupture of membranes? Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.279. (P194).

Romero R, Yoon BH, Gonzalez R, Brandt F, Sepulveda W, Gomez R, Sabo V, Sorokin Y, Cotton DB. The clinical significance of microbial invasion of the amniotic cavity with mycoplasmas in patients with preterm PROM. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.70. (S4).

Fidel PL, **Romero R**, Ramirez M, Edwin SS, LaMarche S, Cotton DB, Mitchell MD. Bacterial endotoxin stimulates the production of the natural IL-1 receptor antagonist by human decidua. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.81 (S25).

Romero R, Yoon BH, Gonzalez R, Ramirez M, Gomez R, Kenney J, Sorokin Y, Cotton DB, Sehgal P. Differential fetal immune response in patients with microbial invasion of the amniotic cavity in term and preterm delivery. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.106 (S76).

Sibai B, Caritis S, Phillips E, Klebanoff M, Paul R, Witter F, Depp R, Rosen M, **Romero R**, McNellis D and the NICHD-MFM Network. Safety of low-dose aspirin in healthy nulliparous women: A double-blind placebo-controlled trial. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.119 (S102).

Hertelendy F, Todd H, Molnar M, **Romero R**. Cytokine-initiated signal transduction in human myometrium. Presented at the 40th Annual Meeting of the Society for Gynecologic Investigation, March 31 - April 3, 1993, Toronto, Ontario, Canada and Proceedings p.131 (S125).

Kazzi NJ, Ramirez M, **Romero R**, McLaughlin K, Shankara S. Pro inflammatory cytokines in very low birth weight infants (VLBWI) with respiratory distress syndrome (RDS). Submitted for presentation to The American Pediatric Society. The Society for Pediatric Research Annual Meeting, May 3-6, 1993, Washington, D.C.

Sibai B, Gordon T, Phillips E, McNellis D, Caritis S, **Romero R**, Rocco L, Klebanoff M, Paul R, Depp R, Witter F, Rosen M, and the NICHD MFMU-Network. Submitted for presentation to The American College of Obstetricians and Gynecologists Annual Meeting, May 3-6, 1993, Washington, D.C.

Yoon BH, **Romero R**, Roh C, Ager JW, Syn H, Cotton DB, Kim S. Relationship between fetal biophysical profile score, umbilical artery Doppler velocimetry, and fetal blood acid-base status determined by cordocentesis. Oral presentation at the 41st Annual Meeting of ACOG, May 3-6, 1993, Washington, D.C.

Petraglia F, Florio P, Gallinelli A, Gaiti D, Comitini G, Esposito E, Marozio L, Benedetto C, **Romero R**. Corticotropin-releasing factor (CRF) and human parturition. Presented at the 2nd World Congress of Perinatal Medicine, September 19-24, 1993, Rome & Florence, Italy and Proceedings p. 53.

Florio P, Gallinelli A, Aguzzoli L, Stanzani S, Sgherzi MR, Segre A, Baumann P, **Romero R**, Petraglia F. Maternal plasma corticotropin-releasing factor levels and preterm labor. Presented at the 2nd World Congress of Perinatal Medicine, September 19-24, 1993, Rome & Florence, Italy and Proceedings p. 153.

Romero R, Galasso M, Gomez R, Ramirez M, Sorokin Y, Behnke E, Cotton DB. A comparative study of the value of amniotic fluid interleukin-6, white blood cell count and gram stain in the diagnosis of microbial invasion of the amniotic cavity in patients with spontaneous labor at term. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. 1994;170:345 (A250).

Romero R, Munoz H, Gomez R, Ramirez M, Araneda H, Cutright J, Wolf N, Cotton DB, Fidel P. Maternal antibiotic treatment abrogates the infection-induced increase in cytokine production which antecedes premature delivery. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:417 (A518).

Gomez R, Galasso M, **Romero R**, Mazor M, Sorokin Y, Baumann P, Goncalves L, Treadwell M, Cotton DB. Sonographic examination of the uterine cervix is a better predictor of the likelihood of preterm delivery than digital examination of the cervix in preterm labor with intact membranes. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:296 (A71).

Romero R, Gomez R, Munoz H, Galasso M, Acosta L, Ghidini A, Cotton DB, Lockwood C. Amniotic fluid tissue factor in preterm and term parturition. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:277 (A30).

Romero R, Galasso M, Gomez R, Berry S, Ramirez M, Cotton DB. Evidence for a dramatic change in the availability of an immune soluble cytokine receptor with human parturition. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:379 (A372).

Romero R, Munoz H, Gomez R, Ramirez M, Araneda H, Cutright J, Wolf N, Cotton DB, Fidel P. Antibiotic therapy reduces the rate of infection-induced preterm delivery and perinatal mortality. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:390 (A418).

Baumann P, **Romero R**, Gonzalez R, Cotton DB, Mammen E. Evidence of topographic differences in amniotic fluid plasminogen activator/plasminogen activator inhibitor concentrations during spontaneous active labor at term. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:270 (A15).

Romero R, Gomez R, Galasso M, Acosta L, Munoz H, Ramirez M, Yoon BH, Svinarich DM, Cotton DB. Macrophage inflammatory protein-1 in term and preterm parturition and microbial invasion of the amniotic cavity. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:418 (A522).

Romero R, Gomez R, Galasso M, Berry S, Mazor M, Quintero R, Araneda H, Sorokin Y, Cotton DB. A systematic study of the effect of gestational age, fetal gender, intra-uterine infection and parturition on the bioavailability of the interleukin-1 receptor antagonist in human pregnancy. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:280 (A35).

Baumann P, **Romero R**, Gonzalez R, Cotton DB, Mammen E. Amniotic fluid plasminogen activator/plasminogen activator inhibitor concentrations in preterm labor in the setting of infection. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:277 (A27).

Baumann P, **Romero R**, Gomez R, Quintero R, Behnke E, Cotton DB, Mammen E. Amniotic fluid plasminogen activators are increased in rupture of membranes at term. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:345 (A249).

Yoon BH, **Romero R**, Chun CK, Lee JH, Kim KS, Koo JN, Syn HC, Kim SW. The prognostic value of amniotic fluid interleukin-6 determinations in patients with preterm labor. Presented to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:278 (A34).

Hertelendy F, **Romero R**, Todd H. Signaling by interleukin-1 in human myometrial cells. Submitted to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:377 (A364).

Schiff E, Friedman SA, Baumann P, **Romero R**, Sibai BM. Tumor necrosis factor- in pregnancies associated with preeclampsia or small-for-gestational-age newborns. Submitted to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:308 (A107).

Andrews W, Hauth J, Goldenberg R, Mazor M, Gomez R, **Romero R**, Cassell G. Amniotic fluid IL-6: Correlation with chorioamnion colonization and gestational age in women delivered following spontaneous labor versus indicated delivery. Submitted to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:277 (A28).

Pryde PG, Isada NB, Johnson MP, **Romero R**, Reichler A, Evans MI. Prenatal diagnostic amnioinfusion: Does oligohydramnios predispose to infection? Submitted to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:401 (A451).

Quintero RA, **Romero R**, Bardicef M, Renfroe Y, Isada NB, Johnson MP, Evans MI, Guevara F, Lamana R, Cotton DB. Transabdominal thin-gauge embryofetoscopy in continuing pregnancies. Submitted to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:297 (A73).

Quintero RA, Reich H, Puder KS, Bardicef M, Acosta L, Cotton DB, Evans MI, **Romero R**. Operative fetoscopy: A new frontier in fetal medicine. Submitted to the Annual Meeting of the Society of Perinatal Obstetricians, January 24-29, 1994, Las Vegas, NV. Am J Obstet Gynecol 1994;170:297 (A76).

Romero R, Gomez R, Helmig R, Galasso M, Uldbjerg N, Ohlsson K, Cotton DB. Amniotic fluid elastase and secretory leukocyte protease natural inhibitor during labor, rupture of membranes and intra-uterine infection. Oral presentation to the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois and Proceedings p.183 (A193).

Gomez R, **Romero R**, Galasso M, Munoz H, Berry S, Wolfe H, Sorokin Y, Dombrowski M, Cotton DB, Evans M. Maternal plasma C-reactive protein determination: A simple and non-invasive method to assess the likelihood of microbial invasion of the amniotic cavity and preterm delivery in patients in premature labor. Poster presented to the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois and Proceedings p. 357 (A326).

Helmig R, **Romero R**, Gomez R, Galasso M, Ohlsson K, Cotton D, Uldbjerg N. Increased expression of elastase in preterm labor. Submitted to the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois and Proceedings p. 183 (A194).

Romero R, Galasso M, Gomez R, Baumann P, Munoz H, Acosta L, Sorokin Y, Berry S, Behnke E, Cotton DB. Value of amniotic fluid interleukin-6, white blood cell count and gram stain in the diagnosis of intra-uterine infection in patients with premature rupture of membranes at term. Poster presented to the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois and Proceedings, p. 357 (A325).

Dombrowski MP, Bottoms SF, Hurd WW, Saleh AA, **Romero R**. Third stage of labor: Analysis of duration and clinical practice. Poster presented to the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois and Proceedings p. 394 (A399).

Edwin SS, **Romero R**, Munoz H, Branch DW, Mitchell MD. Role of 5-hydroxyeicosatetraenoic acid (5-HETE) in human labor. Presented to the 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois and Proceedings p.119 (A65).

Baumann P, **Romero R**, Galasso M, Behnke E, Cotton DB, Mammen E. Amniotic fluid plasminogen activator/plasminogen activator inhibitor concentrations in preterm premature rupture of membranes in the setting of infection. 41st Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 1994, Chicago, Illinois Proceedings p. 184 (A195).

Kazzi NJ, Schurch S, McLaughlin K, Yee HY, **Romero R**, Shankaran S. Do mechanically ventilated infants with RDS require surfactant therapy beyond the first week of life? Submitted to The American Pediatric Society. The Society for Pediatric Research, May 2-5, 1994, Seattle, WA.

Gomez R, **Romero R**, Galasso M, Munoz H, Berry S, Wolfe H, Sorokin Y, Dombrowski M, Cotton D, Evans M. Maternal plasma C-reactive protein and amniotic fluid interleukin-6 determinations in assessment of microbial invasion of the amniotic cavity and preterm delivery in patients with premature labor. Submitted to The First World Congress on Labor and Delivery, July 4-10, 1994, Jerusalem, Israel.

Salafia CM, Pezzullo JC, Vintzileous AM, Minior VK, **Romero R**. Preterm preeclampsia has major pathology distinct from uteroplacental insufficiency. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995 Atlanta, GA P. 373 (A406).

Guinn DA, Goldenburg RL, Hauth JC, Thom E, **Romero R**, McNellis D. Risk factors for the development of preterm premature rupture of membranes following arrest of preterm labor. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA p. 412 (A554).

Salafia CM, Pezzullo JC, Vintzileous AM, **Romero R**. Placental pathology of preterm labor and preterm membrane rupture < 32 weeks are qualitatively similar but quantitatively different. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA. P. 419, (A583).

Salafia CM, Pezzullo JC, Vintzileous AM, **Romero R**. Placental histology in individual cases of spontaneous premature delivery is heterogeneous. Poster presentation at the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA. P. 419, (A584).

Salafia CM, Pezzullo JC, Vintzileous AM, Minior VK, **Romero R**. Relationship of placental lesions and fetal growth in prematurity. Does preeclampsia make a difference? Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA. P. 420 (A586).

Quintero RA, **Romero R**, Goncalves L, Johnson MP, Smith C, Flake AW. Percutaneous fetal cystoscopy in the evaluation and management of the fetus with lower obstructive uropathy. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA p. 427 (A616).

Salafia CM, Sherer DM, Vintzileos AM, Pezzullo JC, Minior VK, **Romero R**. Relationship between placental histology and umbilical cord blood gases. Poster presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 419, (A582).

Salafia CM, Sherer DM, Vintzileos AM, Minior VK, **Romero R**. Histologic evidence of abnormal depth of trophoblast invasion is more frequent in prematurity. Poster presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 420 (A585).

Salafia CM, Vintzileos AM, Whittington SS, Minior VK, Sherer DM, **Romero R**. Histologic evidence of old intra-uterine bleeding is more frequent in prematurity. Poster presented at the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 420 (A587).

Romero R, Munoz H, Gomez R, Sherer DM, Ghezzi F, Ghidini A, Alfi O, DeVore G, Randolph L. Two thirds of spontaneous abortion/fetal deaths after genetic midtrimester amniocentesis are the result of a pre-existing subclinical inflammatory process of the amniotic cavity. Oral presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995 Atlanta, GA, p. 261 (A261).

Sherer DM, Munoz H, Cohen J, Ghezzi F, Gomez R, Mazor M, Ghidini A, Cotton DB, **Romero R**. Increased amniotic fluid concentrations of transforming growth factor- 1 in preterm but not term parturition. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 318 (A202).

Munoz H, **Romero R**, Ghezzi F, Cohen J, Galasso M, Gomez R, Ossandon M, Sherer DM. The diagnostic and prognostic value of macrophage inflammatory protein-1 determinations in patients with preterm labor with intact membranes. Oral presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 280 (A69).

Goncalves LF, **Romero R**, Silva M, Ghezzi F, Soto A, Munoz H, Ghidini A. Reverse flow in the ductus venosus: An ominous sign. Oral plenary presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 266 (A33).

Oyarzun E, Gomez R, **Romero R**, Robert JA, Rioscco A, Gonzalez P, Gutierrez P, Donoso F. Preterm labor and intact membranes: A randomized, double-blinded, placebo-controlled trial of antibiotic treatment. Oral presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p.256 (A11).

Yoon BH, **Romero R**, Yang SH, Jun JK, Choi JH, Kim IO, Syn HC, Kim SW. Interleukin-6 concentration in umbilical cord plasma identify infants at risk for the development of white matter brain lesions associated with periventricular leukomalacia. Oral presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 268 (A37).

Berry S, **Romero R**, Gomez R, Puder K, Ghezzi F, Munoz H, Cotton DB, Bianchi DB. Preterm parturition is characterized by in utero activation of the fetal immune system. Oral presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28,1995, Atlanta, GA, p. 257 (A16).

Munoz H, **Romero R**, Galasso M, Gomez R, Mazor M, Ghezzi F, Cohen J, Ossandon M, Cotton DB. Can maternal plasma C-reactive protein replace amniocentesis for the detection of intra-amniotic infection in patients with preterm labor? Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 302 (A145).

Romero R, Berry S, Gomez R, Munoz H, Mazor M, Sorokin Y, Ghezzi F, Cotton DB. Hematologic evidence that the human fetus participates in the process leading to preterm parturition. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 403 (A517).

Romero R, Munoz H, Gomez R, Parra M, Polanco M, Valverde V, Hasbun J, Garrido J, Cotton DB, Mitchell M. Prostaglandins: Cause or consequence of labor? Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p.421 (A590).

Ovalle A, Marrinez M, Giglio M, Bianchi R, Poblete J, Diaz L, Saez J, Gomez R, **Romero R**. Antibiotic treatment of patients with term premature rupture of membranes reduces the incidence of infection-related complications. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 301 (A144).

Cohen J, **Romero R**, Munoz H, Gomez R, Ghezzi F, Goncalves L, Ghidini A, Lopez-Zeno J, Galasso M. Amniotic fluid GRO concentrations during labor and intra amniotic infection. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p. 422 (A595).

Mazor M, **Romero R**, Chaim W, Hershkowitz R, Wiznitzer A, Levy J, Sharoni Y. Term and preterm parturition are associated with an increased bioavailability in dehydroepiandrosterone-sulfate concentration. Poster presentation to the Annual Meeting of the Society of Perinatal Obstetricians, January 23-28, 1995, Atlanta, GA, p.323 (223).

Sherer DM, Ghidini A, Ghezzi F, Gomez R, Silva M, Cohen J, Goncalves L, Fuentes JD, Treadwell M, **Romero R**. Clinical significance of a systolic notch of the fetal middle cerebral artery. Oral presentation. Submitted to the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, IL.

Ghezzi F, Ghidini A, Sherer DM, Goncalves LF, Galasso M, Gomez R, Cohen J, Treadwell M, **Romero R**. Doppler velocimetry of the fetal middle cerebral artery in patients with preterm labor and intact membranes: A prospective study of 194 consecutive cases. Oral presentation. Submitted to the 42nd Annual Meeting of the Society for Gynecologic Investigation, March 15-18, 1995, Chicago, IL.

Yoon BH, **Romero R**, Jun JK, Park KH, Yang SH, Kim IO, Munoz H, Choi JH. Amniotic Fluid Concentrations of interleukin-6 identify fetuses at risk for the development of periventricular leukomalacia. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996. Waikoloa Village, HI (A68).

Yoon BH, **Romero R**, Kim CJ, Park KH, Hong SA, Jun JK, Ghezzi F, Syn HC. High expression of interleukin-6 1, and tumor necrosis factor- in periventricular leukomalacia. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996, Waikoloa Village, HI (A319).

Yoon BH, **Romero R**, Park KH, Jun JK, Yang SH, Kim CJ, Mazor M, Syn HC. A comparative study of the diagnostic and prognostic value of maternal serum C-reactive protein, white blood cell count and amniotic fluid white blood cell count in patients with preterm premature rupture of membranes. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996, Waikoloa Village, HI (A328).

Yoon BH, **Romero R**, Jun JK, Park KH, Yang SH, Kim JO, Gomez R, Syn HC. The frequency and clinical significance of fetal leukocytosis/leukopenia in patients with preterm PROM. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996, Waikoloa Village, HI A(329).

Yoon BH, Yang SH, Jun JK, Park KH, Kim CJ, Syn HC, Cohen J, **Romero R**. A comparative study of the diagnostic and prognostic value of clinical signs, maternal white blood cell count, C-reactive protein and amniotic fluid analysis in preterm labor. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996, Waikoloa Village, HI (A330).

Ghezzi F Cohen J, Tolosa JE, Gomez R, Mazor M, Berry S, **Romero R**. Microbial invasion of the amniotic cavity is associated with increased concentrations of amniotic fluid interleukin-6 soluble receptor. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996 Waikoloa Village, HI (A331).

Leonardi M, Berry SM, Wolfe HM, Landwehr JB, **Romero R**, Cotton DB. The effect of antenatal steroid administration of fetal white blood cell count. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996 Waikoloa Village, Hawaii (A575).

Donnenfeld A, Tolosa JE, Cohen J, Gomez R, Ghezzi F, Sury V, Mazor M, **Romero R**, Sehgal P. An elevated midtrimester amniotic fluid interleukin-6 soluble receptor level is a risk factor for subsequent fetal death. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996 Waikoloa Village, HI (A453).

Quintero R, Goncalves L, Evans M, Johnson MP, Reich H, **Romero R**, Carrefio C. Percutaneous umbilical-cord ligation in complicated monochorionic multiple gestations. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996 Waikoloa Village, HI (A57).

Ovalle A, Martinez MA, Gomez R, Valderrama O, Lira P, Rubio R, Fuentes A, Ghezzi F, **Romero R**. Preterm premature rupture of membranes: A prospective, randomized, placebo controlled trial on antibiotic treatment. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996 Waikoloa Village, HI (A327).

Svinarich, DM, Bitonti OM, **Romero R**, Gonik B. Post-translational expression of cytokines in a first trimester trophoblast cell line induced by lipopolysaccharide. Presented at the 1996 Annual Meeting of the Society of Perinatal Obstetricians, February 4-10, 1996, Waikoloa Village, HI (A332).

Yoon BH, **Romero R**, Park KH, Koo JN, Choi ST, Choi J, Choi JH. Amniotic fluid inflammatory cytokines (interleukin-6, interleukin-1 and tumor necrosis factor-) and the risk for the development of bronchopulmonary dysplasia. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A133).

Gomez R, **Romero R**, Ghezzi F, Edwin SS, Sehgal PB. Biochemical characterization of human interleukin-6 in amniotic fluid. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 25, 1997 in Anaheim, CA (A601).

Gomez R, **Romero R**, Ghezzi F, David C, Field S, Berry SM. Are fetal hypoxia and acidemia causes of preterm labor and delivery? Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A387).

David C, Gomez R, **Romero R**, Insunza A, Field S, Rojas I. Evidence of a sub-clinical inflammatory process in patients with meconium stained amniotic fluid. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A370).

Mazor M, Ghezzi F, Maymon E, Shoham-Vardi I, Gomez R, Chen R, Balestreri D, Katz M, Lieberman JF, **Romero R**. Polyhydramnios in term gestation: An independent risk factor for perinatal death. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA. (A202).

Ghezzi F, **Romero R**, Gomez R, Mazor M, Tolosa JE, Yoon BH. Cytokines in amniotic fluid do not predict neonatal respiratory distress syndrome. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A132).

Ghezzi F, Gomez R, **Romero R**, David C, Field S, Edwin SS, Yoon BH. Evidence that the injury responsible for the development of bronchopulmonary dysplasia may begin in utero. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A131).

Yoon BH, Kim CJ, Jun JK, Park KH, Chi JG, Gomez R, **Romero R**. Experimentally-induced intra-uterine infection causes fetal brain white matter lesions in rabbits. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A104).

Mazor M, Chen R, Ghezzi F, Horowitz S, Gomez R, Maymon E, Lieberman JR, Katz M, **Romero R**. The clinical significance of microbial invasion of the amniotic cavity with genital mycoplasmas. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A103).

Yoon BH, Park KH, Koo JN, Kwon JH, Jun JK, Syn HC, **Romero R**. Intra-amniotic infection of twin pregnancies with preterm labor. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A83).

Berry SM, **Romero R**, Gomez R, Ghezzi F, Mazor M, Yoon BH, Tolosa JE, Cotton DB. Risks and ethical issues associated with the use of diagnostic cordocentesis in the evaluation of fetuses with preterm PROM. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A82).

Romero R, Gomez R, Ghezzi F, Yoon BH, Mazor M, Edwin SS, Berry SM. The onset of spontaneous preterm parturition is preceded by an intense pro-inflammatory cytokine response in the human fetus. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 23, 1997 in Anaheim, CA (A8).

Berry SM, **Romero R**, Ghezzi F, Gomez R, Mazor M, Yoon BH, Tolosa JE, Cotton DB. Risks and ethical issues of the use of diagnostic cordocentesis in the evaluation of fetuses with preterm labor. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A46).

Ghezzi F, Gomez R, **Romero R**, Edwin SS, Tolosa JE, Yoon BH. Intra-amniotic infection is associated with increased amniotic fluid concentrations of monocyte chemotactic protein-1 in patients with preterm parturition. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 25, 1997 in Anaheim, CA (A602).

Maymon E, Mazor M, **Romero R**, Silberstein T, Shoham-Vardi I, Ghezzi F, Gomez R, Viznitter A, Katz M, Leiberman JR. The Yom-Kippur effect on human parturition. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A388).

Gomez R, Ghezzi F, **Romero R**, Yoon BH, Mazor M, Berry SM. Two thirds of human fetuses with microbial invasion of the amniotic cavity have a detectable systemic cytokine response before birth. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A32).

Martinez-Poyer JL, Quintero RA, Carreno CA, King M, Bottoms SF, **Romero R**, Evans MI. Doppler assessment of the effect of umbilical-cord ligation of acardiac twins. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A530).

Quintero RA, Carreno CA, Kruger M, King M, Sudz C, **Romero R**, Evans MI. Doppler assessment of the effect of laser photocoagulation of communicating vessels in twin-twin transfusion syndrome. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A277).

Silver H, Valenzuela G, Sanchez-Ramos, **Romero R**, Sibai B, Goodwin T, Veille JC, Smith J, Shangold G, Creasy G and the ANTOCIN study groups. Maternal side effects and safety of the oxytocin receptor antagonist Antocin. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A124).

Sanchez-Ramos L, Valenzuela G, **Romero R**, Silver H, Koltun W, Millar L, Wang J, Smith J, Creasy G and the Antocin PTL 098 Study Group. A double-blind placebo-controlled trial of oxytocin receptor antagonist (Antocin) maintenance therapy in patients with preterm labor. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A69).

Quintero RA, Lanouette J, Carreno CA, King M, Johnson MP, Sudz C, **Romero R**, Evans MI. Percutaneous ligation and transection of the umbilical cord in complicated monoamniotic twin gestations via operative fetoscopy. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A43.)

Sibai BM, **Romero R**, Sanchez-Ramos L, Valenzuela G, Veille JC, Tabor B, Morrison J, Varner M, Goodwin T, Menard K, Lane R, Smith J, Creasy G. A double-blind placebo-controlled trial of an oxytocin-receptor antagonist (Antocin) in the treatment of preterm labor. Presented at the 1997 Annual Meeting of the Society of Perinatal Obstetricians, January 24, 1997 in Anaheim, CA (A2).

Athayde N, Gomez R, Pacora P, Mazor M, Yoon B, **Romero R**. Selective activation of matrix metalloproteinases is a feature of spontaneous human parturition. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S90 (Abstract 296).

Athayde N, Gomez R, Edwin S, Pacora P, Yoon Y, Mazor M, **Romero R**. Matrix metalloproteinases in spontaneous rupture of the fetal membranes. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S202 (Abstract 727).

Athayde N, Edwin S, Pacora P, **Romero R**. Human decidual cells respond to lipopolysaccharide, pro-inflammatory cytokines (Interleukin 1-beta and Tumor Necrosis Factor-alpha) and Interleukin-8 with release of matrix metalloproteinase-9. Presented at the 45th Annual Meeting of the Society of Gynecologic Investigation, March 11-14, 1998, Atlanta, GA.

Athayde N, Edwin S, **Romero R**, Gomez R, Maymon E, Pacora P. A role for matrix metalloproteinases in spontaneous rupture of the fetal membranes. Presented at the 45th Annual Meeting of the Society of Gynecologic Investigation, March 11-14, 1998, Atlanta, GA.

Athayde N, Gomez R, Pacora P, **Romero R**. A role for the novel chemokine-RANTES-in parturition and intra-amniotic inflammation. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S201 (Abstract 724).

Athayde N, Gomez R, Pacora P, Ghezzi F, Mazor M, Yoon B, **Romero R**. Stem cell factor as a proinflammatory mediator in intra-uterine infection. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S201 (Abstract 722).

Berry SM, Gomez R, Athayde N, Ghezzi F, Mazor M, Yoon B, **Romero R**, Edwin S. The role of granulocyte colony stimulating factor in the neutrophilia observed in the fetal inflammatory response syndrome. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S202 (Abstract 726).

David C, **Romero R**, Athayde N, Pacora P, Gomez R, Yoon B, Ghezzi F, Mazor M, Fisher D. Spontaneous term labor is associated with increased local bioavailability of estrogens but not of progesterone. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S39 (Abstract 97).

David C, **Romero R**, Pacora P, Athayde N, Gomez R, Yoon B, Fisher D. Evidence in support of a role of androgens in human parturition at term. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S39 (Abstract 98).

DeVore G, **Romero R**, Randolph L, Alfi O. Maternal serum triple marker screening followed by genetic sonography: a cost effective method for increasing the detection of trisomy 21 in women less than 35 years of age. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S145 (Abstract 501).

Edwin S, Athayde N, Pacora P, Nyogi T, **Romero R**. Induction of matrix metalloproteinase-9 production in human decidual cells by activated protein kinase C. Presented at the 45th Annual Meeting of the Society of Gynecologic Investigation, March 11-14, 1998, Atlanta, GA.

Gomez R, Berry SM, Yoon B, Mazor M, Athayde N, Ghezzi F, **Romero R**. The hematologic profile of the fetus with systemic inflammatory response syndrome. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S202 (Abstract 725).

Athayde N, Gomez R, Pacora P, Zaher F, Edwin S, Yoon B, **Romero R**. Interleukin-16 in pregnancy, parturition, rupture of membranes and microbial invasion of the amniotic cavity. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S201 (Abstract 723).

Gomez R, Athayde N, Pacora P, Mazor M, Yoon B, **Romero R**. Increased thrombin in intra-uterine inflammation. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S62 (Abstract 192).

Lewis P, Lauria MR, **Romero R**, Eicholtz KH, Yaron Y, Leon J, Evans M. Amniotic fluid dipalmitoyl phosphatidylcholine (DPPC) as a predictor of neonatal respiratory distress syndrome. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, Florida. Am J Obstet Gynecol 1998;178:S187 (Abstract 666).

Quintero RA, Morales WJ, Kalter CS, Angel JL, Sudz C, Acuna EM, **Romero R**, Evans MI. Treatment of preterm premature rupture of membranes with an Amniopatch: preliminary experience. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S197 (Abstract 705).

Romero R, Athayde N, Gomez R, Mazor M, Yoon B, Edwin S, Ghezzi F, Berry SM. The fetal inflammatory response syndrome is characterized by the outpouring of a potent extracellular matrix degrading enzyme into the fetal circulation. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S3 (Abstract 5).

Yoon BH, **Romero R**, Chang JW, Park KH. An elevated nucleated red blood cell count in umbilical cord blood is a risk factor for intraventricular hemorrhage but not periventricular white matter lesions. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S47 (Abstract 131).

Yoon BH, **Romero R**, Chang JW, Park JS, Choi ST, Kim GJ, Junx JK, Synx HC. Patients with microbial invasion of the amniotic cavity with ureaplasma urealyticum exhibit a robust intra-amniotic and fetal inflammatory response. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S203 (Abstract 729).

Yoon BH, **Romero R**, Park KH, Choi ST, Chang JW, Park JS, Jun JK. Spontaneous preterm parturition is preceded by an elevation in fetal plasma cortisol. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S18 (Abstract 37).

Yoon BH, **Romero R**, Choi ST, Rim JY, Choi G, Chang JW, Han TR, Choi SJ, Chi JG. Histologic chorioamnionitis but not umbilical cord pH at birth predicts the development of severe motor dysfunction at one year of age. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S202 (Abstract 728).

Yoon BH, **Romero R**, Chang JW. Isolation of ureaplasma urealyticum from the amniotic cavity in preterm labor is associated with impending preterm delivery and adverse perinatal outcome. Presented at the 1998 Annual Meeting of the Society of Perinatal Obstetricians, February 2-7, 1998 in Miami Beach, FL. Am J Obstet Gynecol 1998;178:S203 (Abstract 730).

Romero R, Athayde N, Maymon E, Edwin SS, Gomez R, Pacora P, Yoon BH. Evidence of a role for human neutrophil collagenase (MMP-8) in premature rupture of the membranes. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S86).

Pacora P, Maymon E, Gomez R, Yoon BH, Mazor M, Ghezzi F, Berry SM, **Romero R**. The relationship between funisitis and fetal plasma interleukin-6. Presented as a poster presentation at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, California (S99).

Maymon E, Ghezzi F, Edwin SS, Mazor M, Yoon BH, Gomez R, **Romero R**. The tumor necrosis factor and its soluble receptor profile in term and preterm parturition. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S12).

Maymon E, Edwin SS, Gonzales R, Rodriguez A, Ghezzi F, Hassan S, Bianco K, **Romero R**. Topographical differences in the bioavailability of matrix metalloproteinases within the uterine cavity: a possible mechanism for the development of a regional area of membrane weakness predisposing to rupture. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S144).

Maymon E, Pacora P, Edwin SS, Gomez R, Mazor M, Yoon BH, **Romero R**. A role of tumor necrosis factor and its soluble receptors in spontaneous premature rupture of membranes at term. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S144).

Maymon E, Edwin SS, Pacora P, Gomez R, Mazor M, Yoon BH, **Romero R**. A role of the cell death factor system (Fas/Fas ligand) in spontaneous rupture of membranes. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA. (S19)

Maymon E, Gomez R, Hassan S, Edwin SS, Mazor M, Yoon BH, **Romero R**. A role for the 72 kDa gelatinase and its inhibitor in human parturition. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S11).

Hassan SS, Wolfe HM, Mitchell FA, Blackwell SC, Treadwell MC, **Romero R**. Pregnancy outcome in women with a short cervix in the midtrimester: the effect of clinical intervention. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S160).

Gomez R, Maymon E, Araneda H, Pacora P, Mazor M, Yoon BH, **Romero R**. Angiogenin: a marker for preterm delivery in the absence of demonstrable intra-amniotic infection. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S99).

Hassan S, Carreno C, Maymon E, Edwin SS, Bianco K, Niyogi T, Ghezzi F, **Romero R**. A study of the relationship between leptin and gestational age, parturition, rupture of membranes and intra-uterine infection. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S144).

Maymon E, Edwin SS, Gomez R, Hassan S, Mazor M, Yoon BH, **Romero R**. Evidence for dysregulation in the death factor receptor: AFas@ in premature labor. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA.

Romero R, Gomez R, Ghezzi F, Maymon E, Yoon BH, Mazor M, Berry SM, Silva M, Treadwell M, DeVore GR. A novel form of fetal cardiac dysfunction in preterm premature rupture of membranes. Presented at the 1999 Annual Meeting of the Society for Maternal-Fetal Medicine, January 18-23, 1999, San Francisco, CA (S27).

Dinsay R, Wang J, Kilburn BA, **Romero R**, Armant DR. Calcitonin promotes invasiveness of human trophoblast cells through intracellular calcium signaling. *Fertility and Sterility* 72:S224, 1999.

Johnson A, Leach RE, Lee HM, Richter R, Qureshi F, Jacques S, **Romero R**, Hassan S, Sokol RJ, Evans MI. Bipolar coagulation (Bpc): An improved method for selective termination in complicated monochorionic twin pregnancies. *Central Association of Obstetricians and Gynecologists*, 1999.

Johnson A, Leach RE, Lee HM, Richter R, Qureshi F, Jacques S, **Romero R**, Hassan S, Sokol RJ, Evans MI. An improved method for selective termination in complicated monochorionic twin pregnancies. *Central Association of Obstetricians and Gynecologists*, 1999.

Bytautiene E, Vedernikov Y, Fulep E, Saade G, **Romero R**, Garfield R. The effects of histamine, 5-hydroxytryptamine, and bradykinin on contractility of uterine strips from pregnant and nonpregnant guinea pigs. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. *Am J Obstet Gynecol* 2000;182:S97 (Abstract 275).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Mast cell degranulation modulates cervical contractility in guinea pig. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. *Am J Obstet Gynecol* 2000;182:S96 (Abstract 273).

Carreno CA, Berry SM, Blackwell SC, Hassan SS, Wolfe HM, **Romero R**, Bianchi DB. Maternal glucocorticoid administration is associated with fetal neutrophil and monocyte activation. Presented at the 2000 Meeting Annual of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL (R578).

Gervasi MT, Pacora P, Maymon E, Bianco K, Edwin SS, Yoon BH, **Romero R**. Lactoferrin in human parturition and rupture of membranes. Presented at the 2000 Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL (R662).

Gomez R, **Romero R**, Zarate C, Maymon E, Nien JK, Gervasi MT, Gallaguillos G, Saez V, Medina L, Gonzalez R. "Idiopathic" vaginal bleeding during pregnancy: A manifestation of intra-amniotic infection. Presented at the 2000 Annual of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL (R472).

Kim CJ, Yoon BH, **Romero R**, Park JS, Chi JG. The clinical significance of umbilical arteritis as a marker of a fetal inflammatory response. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S60 (Abstract 135).

Maymon E, Seubert DE, Pacora P, Gervasi MT, Edwin SS, Yoon BH, **Romero R**. Evidence of a unique differential regulation of the active forms of potent matrix degrading enzymes in preterm and term spontaneous rupture of membranes. Presented at the 2000 Annual of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL (R666).

Maymon E, Pacora P, Gervasi MT, Seubert DE, Edwin SS, Yoon BH, **Romero R**. Intra-amniotic infection is associated with enhanced in vivo activity of the inducible gelatinase MMP-9. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, Florida. Am J Obstet Gynecol 2000;182:S104 (Abstract 302).

Maymon E, Gervasi MT, Pacora P, Seubert DE, Edwin SS, Yoon BH, **Romero R**. Evidence for increased activity of a potent matrix degrading enzyme in preterm and term labor. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S36 (Abstract 54).

Maymon E, Gervasi MT, Pacora P, Bianco K, Seubert DE, Gomez R, Ghezzi F, Mazor M, Edwin SS, Yoon BH, **Romero R**. A study of the relationship between MMP-1 (collagenase-1) and parturition, rupture of membranes and intra-uterine infection. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S103 (Abstract 301).

Pacora P, Maymon E, Gervasi MT, Bianco K, Edwin SS, Yoon BH, **Romero R**. Lactoferrin: A natural antimicrobial agent in the host defense against intra-uterine infection. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S102 (Abstract 298).

Park JS, Yoon BH, **Romero R**, Kim YA, Jun JK, Syn HC. The relationship between oligohydramnios and the onset of preterm labor in preterm premature rupture of the membranes. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S122 (Abstract 366).

Romero R, Maymon E, Mazor M, Gomez R, Yoon BH, Berry SM. Further observations on the fetal inflammatory response syndrome: A potential homeostatic role of the soluble receptors of tumor necrosis factor. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S33 (Abstract 51).

Romero R, Maymon E, Gervasi MT, Pacora P, Gomez R, Edwin SE, Yoon BH. The novel cytokine interleukin-18 participates in the host response to intra-amniotic infection. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. Am J Obstet Gynecol 2000;182:S104 (Abstract 303).

Rust O, Atlas R, Balducci J, DeFulvio J, **Romero R**. Patients presenting with cervical funneling in the midtrimester and who subsequently delivered a preterm neonate <34 weeks have evidence of increased extracellular matrix degradation and subclinical interuterine inflammation. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. *Am J Obstet Gynecol* 2000;182:S100 (Abstract 287).

Seubert DE, Maymon E, Pacora P, Gervasi MT, Bianco K, Gomez R, Ghezzi F, Mazor M, Edwin SS, Yoon BH, **Romero R**. A role of the human fetus in extracellular matrix degradation in term spontaneous parturition. Presented at the 2000 Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL (R427).

Yoon BH, **Romero R**, Park JS, Kim CJ, Ki SH, Kim SH. Funisitis: The histologic counterpart of the fetal inflammatory response syndrome. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. *Am J Obstet Gynecol* 2000;182:S60 (Abstract 136).

Yoon BH, **Romero R**, Ki SH, Han SY, Kim MH, Kim GJ, Park JS. Fetal plasma cortisol and dehydroepiandrosterone sulfate in pregnancy and term parturition. Presented at the 2000 Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL (R665).

Yoon BH, **Romero R**, Kim MH, Park JS, Ki SH, Kim T, Kim GJ. Interleukin-6 determinations in cervical fluid have diagnostic and prognostic value in preterm premature rupture of the membranes. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. *Am J Obstet Gynecol* 2000;182:S33 (Abstract 50).

Yoon BH, **Romero R**, Kim MH, Ki SH, Kim GJ, Kim T, Park JS, Jun JK, Syn HC. The clinical implications of detecting *Ureaplasma urealyticum* from the amniotic cavity with the polymerase chain reaction. Presented at the 20th Annual Meeting of the Society for Maternal-Fetal Medicine, January 31-February 5, 2000, Miami Beach, FL. *Am J Obstet Gynecol* 2000;182:S40 (Abstract 61).

Hertelendy F, Molnar M, **Romero R**. Interaction of interferon gamma (INF- γ) and interleukin 1 β (IL-1) in the regulation of cyclooxygenase-2 (COX-2) expression and prostaglandin (PG) production in human myometrial cells. Presented at the 47th Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 2001, Chicago, IL. *J Soc Gynecol Invest* 2001;8:134A (Abstract 321).

Kilburn BA, Wang J, Leach RE, **Romero R**, Armandt DR. The epidermal growth factor (EGF) family regulates adhesive differentiation of human trophoblast cells. Presented at the 47th Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 2001, Chicago, IL. *J Soc Gynecol Invest* 2001;8:161A (Abstract 418).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield RE. Role of lipoxygenase and cyclooxygenase in the response of pregnant guinea pig cervix to mast cell degranulation. Presented at the 47th Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 2001, Chicago, IL. *J Soc Gynecol Invest* 2001;8:269A (Abstract 807).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield RE. Effect of endogenous mast cell degranulation on uterine contractility in pregnant guinea pigs. Presented at the 47th Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 2001, Chicago, IL. *J Soc Gynecol Invest* 2001;8:273A (Abstract 821).

Maymon E, Pacora P, Gervasi MT, Torry D, Gomez R, **Romero R**. Evidence for a role of placental growth factor in preeclampsia and intra-uterine growth retardation. Presented at the 47th Annual Meeting of the Society for Gynecologic Investigation, March 22-25, 2001, Chicago, IL. *J Soc Gynecol Invest* 2001;8:288A (Abstract 875).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Effect of endogenous mast cell degranulation on uterine and cervical contractility in pregnant 5-lipoxygenase-knockout mice. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S121 (Abstract 398).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Endogenous degranulation of uterine mast cells stimulates uterine contractility in pregnant humans. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S42 (Abstract 101).

Galleguillos G, Gomez R, Carstens M, Medina L, Gonzalez R, Rojas I, **Romero R**. Evidence for a marked decrease in the incidence of intra-hepatic cholestasis of pregnancy over the last decade. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S62 (Abstract 179).

Gervasi MT, Chaiworapongsa T, Naccasha N, Berman S, Yoon BH, Maymon E, **Romero R**. Differential expression of the cell surface receptor (CD95) for the death cell factor-fas-ligand in preeclampsia and maternal infection. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S12 (Abstract 26).

Gervasi MT, Chaiworapongsa T, Pacora P, Naccasha N, Yoon BH, Maymon E, **Romero R**. Maternal systemic inflammation: A mechanism of disease in preeclampsia. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S11 (Abstract 23).

Gervasi MT, Chaiworapongsa T, Naccasha N, Pacora P, Berman S, Maymon E, **Romero R**. Evidence of sub-clinical systemic maternal inflammation in preterm premature rupture of membranes. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S46 (Abstract 118).

Gervasi MT, Chaiworapongsa T, Naccasha N, Bianco YK, Yoon BH, Maymon E, **Romero R**. Evidence for a systemic maternal inflammatory response in preterm parturition. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S46 (Abstract 117).

Gomez R, Gonzalez R, Bazaes R, **Romero R**, Medina L, Pittaluga E, Alegria A, Mericq V. Metabolic adaptation to placental dysfunction during late pregnancy: Early origins of insulin resistance. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S95 (Abstract 303).

Gomez R, Rodrigo T, Zajer C, Carstens M, Medina L, Yoon BH, Conoscenti G, **Romero R**. Transvaginal ultrasound of the cervix identifies impending delivery in patients with preterm premature rupture of membranes. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. *Am J Obstet Gynecol* 2001;184:S133 (Abstract 133).

Gomez R, Zajer C, Rodrigo T, Magendzo A, Medina L, Maymon E, Chaiworapongsa T, Kim JC, **Romero R**. Patients with preterm labor and a short cervix are at increased risk for intra-uterine inflammation and preterm delivery. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S31 (Abstract 67).

Gonzalez R, Medina L, Gomez R, Caicedo L, Carstens M, DeVore G, **Romero R**. Sequential Cardiac, arterial and venous hemodynamic changes preceding fetal death in severe utero-placental insufficiency. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S106 (Abstract 337).

Hassan SS, Qureshi F, Jacques SM, Berman S, Maymon E, Blackwell S, **Romero R**. Acute inflammatory placental lesions in patients with a short cervix and early preterm delivery. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S46 (Abstract 116).

Maymon E, Chaiworapongsa T, Kim JC, Conoscenti G, Gomez R, Edwin S, **Romero R**. The diagnostic and prognostic value of MMP-8 in the evaluation of preterm labor. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S31 (Abstract 68).

Maymon E, Chaiworapongsa T, Kim JC, Conoscenti G, Gomez R, Edwin S, **Romero R**. Neutrophil collagenase (MMP-8) in amniotic fluid is a powerful predictor of impending preterm delivery and adverse neonatal outcome in preterm labor with intact membranes. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S7 (Abstract 16).

Maymon E, Chaiworapongsa T, Kim JC, Berman S, Pacora P, Kim YM, Gomez R, Edwin S, **Romero R**. Neutrophil collagenase (MMP-8): An index of the fetal inflammatory response syndrome. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S140 (Abstract 467).

Medina L, Gomez R, Gonzalez R, Schullin-Zeuten C, Magendzo A, Gervasi MT, DeVore G, **Romero R**. Changes in the atrial contraction component of the pulmonary vein Doppler wave form in anemic fetuses. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S158 (Abstract 538).

Medina L, Gomez R, Camus A, Saez V, Galleguillos G, Gonzalez R, Pacora P, Rojas I, DeVore G, **Roberto R**. Doppler velocimetry of the distal right pulmonary artery and the development of lung hypoplasia. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S24 (Abstract 52).

Naccasha N, Gervasi MT, Chaiworapongsa T, Berman S, Yoon BH, Maymon E, **Romero R**. Is normal pregnancy characterized by a state of leukocyte activation akin to sepsis? Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S15 (Abstract 34).

Nien KJ, Puga O, Gomez R, Gonzalez R, Carstens M, Medina L, Rojas I, **Romero R**. Induction of Labor with misoprostol in patients with previous cesarean section: risk factors for the development of uterine rupture. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S125 (Abstract 414).

Puga O, Nien JK, Gomez R, Medina L, Carstens M, Gonzalez R, Rojas I, **Romero R**. Premature rupture of membranes after 35 weeks: A randomized clinical trial of induction of labor with oral versus vaginal administration of misoprostol. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S85 (Abstract 265).

Yoon BH, **Romero R**, Kim M, OH M, Kim JC, Lee JS, Moon JB, Park JS. Elevated amniotic fluid matrix metalloproteinase-8 and the subsequent development of cerebral palsy. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S3 (Abstract 8).

Yoon BH, **Romero R**, Young S, Kwan J, Park SJ, Bin J, Yoon, BH. An elevated amniotic fluid matrix metalloproteinase-8 at the time of mid-trimester genetic amniocentesis identifies patients at risk for spontaneous preterm delivery. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S6 (Abstract 14).

Yoon BH, Young S, Kim M, Jun J, **Romero R**. Amniotic fluid matrix metalloproteinase-8: A index of funisitis and the fetal inflammatory response syndrome. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S31 (Abstract 66).

Yoon BH, **Romero R**, Moon JB, Oh SY, Kim JC, Kim M, Park JS, Jun JK. Is a positive cervical fibronectin a marker of an upper genital tract infection? Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S45 (Abstract 112).

Yoon BH, **Romero R**, Kim G, Moon JB, Yang JE, Kim M, Park JS, Jun JK. The clinical significance of intra-amniotic inflammation in patients with preterm labor and intact membranes. Presented at the 21st Annual Meeting of the Society for Maternal-Fetal Medicine, Feb. 5-10, 2001, Reno, NV. Am J Obstet Gynecol 2001;184:S86 (Abstract 268).

Romero R, Sibai B. Changes in the maternal plasma concentration of two angiogenic factors—placental growth factor and angiogenin—precede the development of preeclampsia. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:74A (Abstract 92).

Bulmer J, Kim YM, Gomez R, Rotmensch S, Chaiworapongsa T, Maymon E, Yoon BH, **Romero R**. Abnormal transformation of uterine spiral arteries may play a role in unexplained preterm labor. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:139A (Abstract 311).

Sibai B, **Romero R**. Maternal plasma concentrations of the soluble tumor necrosis factor receptor 2 are increased prior to the development of preeclampsia. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:149A (Abstract 345).

Bytautiene E, Vedernikov Y, Maner W, Shi SQ, MacKay L, Saade G, **Romero R**, Garfield R. Antigen challenge in sensitized guinea pigs increases uterine EMG and intra-uterine pressure. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:191A (Abstract 494).

Bytautiene E, Vedernikov Y, Saade GR, **Romero R**, Garfield R. Mast cell degranulation and contractility in uterine tissue isolated from preterm gravidas. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:192A (Abstract 495).

Molnar M, Rigo J, **Romero R**, Hertelendy F. Thrombin (T) upregulates Cyclooxygenase-2 (COX-2) expression and prostaglandin E₂ PGE₂ production in human myometrial cells (HMC). Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:193A (Abstract 499).

Kim M, Yoon BH, **Romero R**, Oh MJ, Kim GJ, Yang JE, Park JS, Jun JK. Biovar diversity of ureaplasma urealyticum in amniotic fluid: distribution, intra-uterine inflammatory response and pregnancy outcomes. . Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:198A (Abstract 518).

Chaiworapongsa T, Kim JC, Conoscenti G, Maymon E, Gomez R, Edwin SS, **Romero R**. The physiologic regulator of neutrophil number and activation granulocyte colony-stimulating factor is increased in maternal plasma of patients with preeclampsia and small for gestational age. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:214A (Abstract 574).

Chaiworapongsa T, Kim JC, Conoscenti G, Edwin SS, Yoon BH, **Romero R**. Evidence of in vivo generation of thrombin in patients with intra-uterine growth retardation and preeclampsia. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:214A (Abstract 575).

Nopachai S, Hassan SS, Maymon E, Wolfe HM, Blackwell SC, Berry SM, **Romero R**. Histologic chorioamnionitis and preterm rupture of membranes (PROM) in patients undergoing emergent cerclage. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:234A (Abstract 642).

Bulmer J, Kim YM, Gomez R, Rotmensch S, Chaiworapongsa T, Maymon E, Yoon BH, **Romero R**. The distribution of lymphocytes in spiral arteries in normal term placental bed biopsies. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:261A (Abstract 728).

Chaiworapongsa T, Kim JC, Kim YM, Conoscenti G, Edwin SS, Yoon BH, **Romero R**. Activation of coagulation system in preterm labor and preterm premature rupture of membranes. Presented at the 48th Annual Meeting of the Society for Gynecologic Investigation, March 14-17, 2001, Toronto, Ontario, Canada. J Soc Gynecol Invest 2001;8:273A (Abstract 772).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Cyclooxygenase and lipoxygenase involvement in increased uterine contractility due to endogenous mast cell degranulation. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S90 (Abstract 45).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Effect of endogenous mast cell degranulation on uterine and cervical contractility in pregnant mice lacking a functional 5-lipoxygenase gene. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S215 (Abstract 490).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Histamine effects differ in phasically and tonically contracted pregnant human uterine tissue. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S139 (Abstract 209).

Romero R, Chaiworapongsa T, Gomez R, Yoon BH, Mazor M, Maymon E, Berry SM. Does the human fetus rupture the membranes in preterm PROM? Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S71 (Abstract 5).

Chaiworapongsa T, Kim JC, Kim YM, Conoscenti G, Park KH, Edwin S, Yoon BH, **Romero R**. Preeclampsia is characterized by a soluble selectin profile consistent with leukocyte and endothelial cell activation. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S74 (Abstract 9).

Esplin M, Chaiworapongsa T, Kim YM, Edwin S, Adashi E, **Romero R**. Amniotic fluid levels of monocyte chemotactic protein-1 increase during term parturition. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S218 (Abstract 501).

Esplin M, Chaiworapongsa T, Kim KM, Edwin S, Adashi E, **Romero R**. Monocyte chemotactic protein-1 is increased in the amniotic fluid of patients with preterm delivery in the presence or absence of intra-amniotic infection. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S139 (Abstract 211).

Gomez R, Nien JK, Sepulveda G, Carstens M, Medina L, Gonzalez R, Rojas I, Chaiworapongsa T, **Romero R**. Antibiotic treatment of patients with preterm PROM does not eradicate intra-amniotic infection or prevent the development of intra-amniotic inflammation. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S142 (Abstract 222).

Gonzalez R, Carstens M, Bocaz F, Medina L, Caicedo L, Nien J, Rojas I, Gomez R, **Romero R**. Abnormal ductus venosus velocimetry in fetuses with an increased impedance in the umbilical artery: an independent risk factor for fetal and neonatal death. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S261 (Abstract 671).

Kim JC, Chaiworapongsa T, Conoscenti G, Edwin S, Refuerzo J, Berman S, Kim YM, Yoon BH, **Romero R**. Evidence for a differential maternal cytokine profile in preterm preeclampsia and term preeclampsia. Am J Obstet Gynecol 2001;185:S75 (Abstract 13).

Levine R, Qian C, Yu K, England L, Beste L, Chaiworapongsa T, Edwin S, **Romero R**. C-Reactive protein not elevated in preeclamptic pregnancy at 9-20 weeks: the inflammation hypothesis fails a test. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S75 (Abstract 15).

Neale D, Demasio K, Illuzi J, **Romero R**, Mor G. Trophoblast viability: can it be used as a predictor of preeclampsia? Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S83 (Abstract 31).

Chaiworapongsa T, Gervasi MT, Refuerzo J, Kim JC, Conoscenti G, Blackwell S, **Romero R**. Preeclampsia is characterized by a shift in the T cell population consistent with prior antigenic exposure. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S174 (Abstract 338).

Chaiworapongsa T, Edwin S, Kim JC, Kim YM, Conoscenti G, Yoon BH, **Romero R**. Pro-inflammatory and anti-inflammatory cytokine profile in pregnant women with pyelonephritis. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S174 (Abstract 339).

Kim YM, Chaiworapongsa T, Kim JC, Gomez R, Yoon BH, Hassan S, **Romero R**. Preterm premature rupture of membranes is associated with failure of physiologic transformation of the spiral arteries in the placental bed. Presented at the 22nd Annual Meeting of the Society for Maternal-Fetal Medicine, January 14-20, 2002, New Orleans, LA. Am J Obstet Gynecol 2001;185:S118 (Abstract 134).

Buhimschi I, Petkova A, Buhimschi C, Weiner C, **Romero R**. Differential antioxidant capacity of amniotic fluid and fetal blood: implications for understanding PROM. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002; 187:S237 (Abstract 654).

Buhimschi I, Petkova A, Buhimschi C, Chaiworapongsa T, Weiner C, **Romero R**. Evidence of free radical formation in preterm labor and preterm PROM. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. Am J Obstet Gynecol 2002; 187:S238 (Abstract 655).

Buhimschi I, Christner R, Buhimschi C, Chaiworapongsa T, **Romero R**. Proteomic analysis of preterm parturition: A novel method of identifying the patient at risk of impending preterm delivery. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. Am J Obstet Gynecol 2002; 187:S55 (Abstract 6).

Bujold E, Chaiworapongsa T, Gervasi MT, Espinoza J, Yoon BH, Kim YM, **Romero R**. Preeclampsia is characterized by an elevated proportion of natural killer cells in fetal blood. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S220 (Abstract 588).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R, Maul H. Effect of endogenous mast cell degranulation and histamine receptor antagonists on uterine contractility of term pregnant rats. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. Am J Obstet Gynecol 2002;187:S173 (Abstract 420).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. The role of cyclooxygenase and 5-lipoxygenase products in uterine responses to endogenous mast cell degranulation in term pregnant rats. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. Am J Obstet Gynecol 2002;187:S17 (Abstract 421).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R, Maul H. Involvement of cyclooxygenase and 5-lipoxygenase in the cervical contractility induced by endogenous mast cell degranulation in term pregnant rats. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. Am J Obstet Gynecol 2002;187:S174 (Abstract 422).

Bytautiene E, Vedernikov Y, Saade GR, **Romero R**, Garfield RE. Tetrahydrobiopterin or oxygen radicals do not influence contractile inhibition effect of sin-1 on term pregnant human myometrium. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 751).

Chaiworapongsa T, Espinoza J, Kim YM, Edwin S, Bujold E, Berman S, **Romero R**. A novel mediator of septic shock, macrophage migration inhibitory factor, is increased in intra-amniotic infection. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S73 (Abstract 50).

Chaiworapongsa T, Gervasi MT, Espinoza J, Bujold E, Kim YM, Blackwell S, **Romero R**. Preeclampsia and SGA differ by the extent of monocyte, but not neutrophil, metabolic activity and oxidative burst. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S220 (Abstract 587).

Kim YM, Espinoza J, Kim MR, Chaiworapongsa T, Bujold E, Berman S, **Romero R**. The frequency of acute atherosclerosis of the spiral arteries in the "great obstetrical syndromes". 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S238 (Abstract 657).

Ferrand PR, Fujimoto T, Chennathukuzhi V, Parry S, Macones G, Kuivaniemi H, **Romero R**, Strauss JF 3rd. Mutations in Nod2 and TLR4 in African Americans and risk of preterm premature rupture of membranes (PPROM). Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 55).

Ferrand PE, Parry S, Sammel MD, Macones G, Kuivaniemi H, **Romero R**, Strauss JF 3rd. A polymorphism in the matrix metalloproteinase 9 (MMP-9) promoter is associated with risk of preterm premature rupture of membranes (PPROM). Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002; 9 (Abstract 56).

Keelan JA, Mitchell MD, **Romero R**, Chaiworapongsa T, Brown D, Fairlie D, Briet SN. Macrophage inhibitory cytokine 1 (MIC-1) in fetal membranes and amniotic fluid from pregnancies with and without preterm labour and premature rupture of membranes. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002; 9 (Abstract 211).

Keelan JA, Marvin KW, Sato TA, **Romero R**, Chaiworapongsa T, Mitchell MD. Epithelial cell-derived neutrophil activating peptide (ENA)-78 in fetal membranes and amniotic fluid in association with intra-amniotic infection. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 212).

Maul H, Bytautiene E, Fulep E, Vedernikov Y, Saade GR, **Romero R**, Garfield RE. Par-2 activating peptide and uterine contractility in pregnant rats around term. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 214).

Chaiworapongsa T, Kim YM, Kim JC, Blackwell SC, **Romero R**. Evidence of subclinical myocardial injury at the time of birth in small for gestational age infants. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 337).

Chaiworapongsa T, Gervasi MT, Kim JC, Blackwell SC, Kaplan J, **Romero R**. Natural killer cell lymphocytes in preeclampsia and pyelonephritis. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 367).

Bytautiene E, Vedernikov Y, Saade GR, **Romero R**, Garfield RE. Challenge with ovalbumin increases contractility of uterine and vertical strips from sensitized term pregnant guinea pigs. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 440).

Lonergan M, Marvin KW, Sato TA, Mitchell MD, **Romero R**, Chaiworapongsa T, Keelan JA. Characterization of osteoprotegerin and its ligands trail and trance in human gestational membranes and amniotic fluid during pregnancy and labor. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 444).

Marvin KW, Keelan JA, O'Carroll S, **Romero R**, Chaiworapongsa T, Mitchell MD. Distribution and relationship to labor at term or preterm of prostaglandins (PG) D Synthases and amniotic fluid concentrations of PGD₂ and 15-deoxy- $\Delta^{12,14}$ PGJ₂. Presented at the 49th Annual Meeting of the Society for Gynecologic Investigation, March 20-23, 2002. Los Angeles, CA. J Soc Gynecol Investig 2002;9 (Abstract 453).

Kim YM, Kim MR, Gomez R, Bujold E, Blackwell S, **Romero R**. Failure of physiologic transformation of the spiral arteries in patients with preterm labor and intact membranes. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 187:S59 (Abstract 17).

Neale D, Demasio K, Chaiworapongsa T, **Romero R**, Mor G. Trophoblast viability predicts preeclampsia as early as the first trimester. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S77 (Abstract 56).

Gomez R, **Romero R**, Montiel C, Magendzo A, Pino P, Nien J, Chaiworapongsa T, Edwin S, Gonzalez R. Cervico-vaginal fetal fibronectin improves the prediction of preterm delivery estimated by sonographic cervical length in patients with preterm labor and intact membranes. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S80 (Abstract 66).

Galleguillos G, Gomez R, **Romero R**, Nien J, Medina L, Carstens M, Chaiworapongsa T, Gonzalez R. Amniotic fluid microbiology and pregnancy outcome of patients with preterm PROM, preterm labor or vaginal bleeding associated with a retained intra-uterine device. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S228 (Abstract 621).

Medina L, Gomez R, **Romero R**, Gonzalez R, Nien J, Carstens M, Rojas I, DeVore G. Severe placental insufficiency is characterized by dramatic changes in fetal diastolic function. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. Am J Obstet Gynecol 2002;187:S165 (Abstract 386).

Medina L, Gomez R, **Romero R**, Gonzalez R, Nien J, Carstens M, Chaiworapongsa T, Rojas I, DeVore G. Reverse flow in the aortic arch is a strong predictor of neonatal mortality in fetuses with severe placental insufficiency. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. Am J Obstet Gynecol 2002;187:S164 (Abstract 383).

Levine R, Qian C, LeShane E, Yu K, England L, Schisterman E, **Romero R**, Bianchi D. Fetal DNA in preeclampsia: elevated early, associated with severity, not accompanied by inflammation. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. *Am J Obstet Gynecol* 2002;187:S55 (Abstract 8).

Refuerzo J, Chaiworapongsa T, Bujold E, Kim YM, Espinoza J, Hassan S, **Romero R**. Evidence of intra-amniotic inflammation is present in one-third of patients with a fetal demise. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003. San Francisco, CA. *Am J Obstet Gynecol* 2002;187:S190 (Abstract 483).

Yoon BH, **Romero R**, Shim SS, Lim JH, Park MY, Jung NY, Kwanjun J. Evidence that the preterm fetus mounts a more intense systemic inflammatory response than the term fetus in intra-amniotic infection. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. *Am J Obstet Gynecol* 2002;187:S128 (Abstract 251).

Yoon BH, **Romero R**, Shim JY, Lim JH, Cho EJ, Romero R, Shim JY, Lim JH, Cho EJ, Jung H. "Atypical" chronic lung disease of the newborn is linked to fetal systemic inflammation. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. *Am J Obstet Gynecol* 2002;187:S129 (Abstract 252).

Shim SS, Yoon BH, **Romero R**, Shim JY, Kim GJ, Jung H, Lee JS. The clinical significance of detecting ureaplasma urealyticum by PCR in the amniotic fluid of patients with preterm labor and intact membranes. 23rd Annual Meeting of the Society for Maternal-Fetal Medicine, February 3-8, 2003, San Francisco, CA. *Am J Obstet Gynecol* 2002;187:S129 (Abstract 253).

Leach RE, Kilburn B, **Romero R**, Armant DR. Hypoxia-reoxygenation of trophoblast cells mimics heparin binding EGF growth factor (HB-EGF) dysregulation found in preeclampsia. 5th Annual Meeting of the Society for Gynecologic Investigation, March 26-30, 2003, Washington, DC. *J Soc Gyn Inv* 2003;10:305A (Abstract 648).

Buhimschi EA, Jabr M, Petkova A, Saed GM, Diamond MP, **Romero R**. A role for the amnion epithelium in innate immunity: microbial products induce the expression of β 3-defensin by amnion epithelial cells. 5th Annual Meeting of the Society for Gynecologic Investigation, March 26-30, 2003, Washington, DC. *J Soc Gyn Inv* 2003;10:312A (Abstract 670).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield RE. Endogenous mast cell degranulation increases perfusion pressure in isolated human placental vascular bed. 5th Annual Meeting of the Society for Gynecologic Investigation, March 26-30, 2003, Washington, DC. *J Soc Gyn Inv* 2003;10:366A (Abstract 830).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield RE. Antigen challenge increases vascular and tracheal smooth muscle contraction in actively sensitized nonpregnant guinea pigs. 5th Annual Meeting of the Society for Gynecologic Investigation, March 26-30, 2003, Washington, DC. *J Soc Gyn Inv* 2003;10:387A (Abstract 892).

Espinoza J, Chaiworapongsa T, Kim YM, Goncalves LF, Bujold E, Camacho N, **Romero R**. Patients with preterm labor with intact membranes and preterm PROM with 'failure of physiologic transformation of the spiral arteries have a higher impedance to flow in the uterine arteries. *Ultrasound Obstet Gynecol* 2003;22(S1):145 (P280).

Kalache KD, **Romero R**, Goncalves LF, Chaiworapongsa T, Espinoza J, Schoen ML, Treadwell MC, Lee W. Prenatal assessment of anomalies of the fetal hepatic circulation with three-dimensional color power imaging. *Ultrasound Obstet Gynecol* 2003; 22(S1):130-31 (P223).

Lee W, Deter R, McNie B, **Romero R**. Fractional thigh volume: a new soft tissue parameter for fetal growth assessment. *Ultrasound Obstet Gynecol* 2003;22(S1):123 (P197).

Lee W, Deter RL, McNie B, **Romero R**. Fractional arm volume: a new soft tissue parameter for fetal growth assessment. *Ultrasound Obstet Gynecol* 2003;22(S1):122-23 (P196).

Lee W, Deter RL, Huang R, Espinoza J, Goncalves LF, Chaiworapongsa T, **Romero R**. Can principal component analysis be used to improve fetal weight prediction models? *Ultrasound Obstet Gynecol* 2003;22(S1):121 (P191).

Goncalves LF, Lee W, Espinoza J, Huang R, Chaiworapongsa T, Schoen ML, DeVore G, **Romero R**. Four-dimensional fetal echocardiography with Spatio Temporal Image Correlation (STIC™): a systematic study of standard cardiac views assessed by different observers. *Ultrasound Obstet Gynecol* 2003;22(S1):50 (OC182).

Abrahams VM, Straszerski SL, **Romero R**, Mor G. Toll-like receptor 2 induces apoptosis in trophoblast cells: a novel mechanism for first trimester pregnancy failure. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003;189:S147 (Abstract 314).

Straszewski S, Mor G, **Romero R**, Neale D. Serum from preeclamptic women induces Caspase-3 activation in first trimester trophoblast cells. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003;189:S95 (Abstract 111).

Chaiworapongsa T, Gomez R, Edwin S, Mor G, Barder T, **Romero R**. A proteomic approach for the identification of biological markers of preeclampsia. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003; 189:S95 (Abstract 112).

Kim YM, Kim MR, Kim GJ, Chaiworapongsa T, Gomez R, Camacho N, Yoon B, **Romero R**. The uterine cervix expresses the pattern-recognition receptors: toll-like receptors-2 and -4. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003;189:S103 (Abstract 141).

Kim YM, Kim MR, Kim GJ, Chaiworapongsa T, Gomez R, Camacho N, Yoon B, **Romero R**. Spontaneous labor at term and histologic chorioamnionitis are characterized by up regulation of the pattern recognition receptor toll-like receptor-2. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003;189:S103 (Abstract 142).

Romero R, Chaiworapongsa T, Gomez R, Kim YM, Edwin S, Bujold E, Yoon B. Proteomic profiling of premature labor: a method to identify clinical biomarkers and mechanisms of disease. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003;189:S63 (Abstract 20).

Hendler I, Hassan S, Bujold E, Blackwell S, Berman S, Sorokin Y, **Romero R**. The risk of spontaneous preterm delivery within 14 days in asymptomatic patients with sonographic cervical length < 15 mm is low. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. *Am J Obstet Gynecol* 2003;189:S174 (Abstract 418).

Hong JS, Yoon BH, **Romero R**, Shim SS, Sohn YK, Park CW, Park JS, Jun JK, Syn HC, Yoon BH. Patients with a positive cervical fetal fibronectin followed by a negative test have a reduced likelihood of spontaneous preterm delivery. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003;189:S173 (Abstract 415).

Bujold E, Chaiworapongsa T, Hammoud A, Berman S, Hendler I, Blackwell S, **Romero R**. Lactate dehydrogenase in amniotic fluid: a rapid, sensitive, and widely available test for the detection of intra-amniotic inflammation. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003;189:S162 (Abstract 368).

Chaiworapongsa T, Espinoza J, Kim YM, Bujold E, Camacho N, Edwin S, Gomez R, **Romero R**. Heat-shock proteins are elevated in intra-amniotic infection. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003; 189:S177 (Abstract 428).

Kim YM, Kim GJ, Kim MR, Chaiworapongsa T, Espinoza J, Yoon B, Bujold E, **Romero R**. Skin: an active component of the fetal innate immune system. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003; 189:S74 (Abstract 47).

Bytautiene E, **Romero R**, Vedernikov Y, Saade G, Garfield R. An allergic reaction can induce premature labor and delivery, which can be prevented by treatment with antihistaminics and cromolyn sodium. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003;189:S71 (Abstract 40).

Chaiworapongsa T, Espinoza J, Kim YM, Gomez R, Yoon B, Bujold E, **Romero R**. A role for heat shock protein 70 in spontaneous parturition at term. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003; 189:S196 (Abstract 501).

Medina L, Gomez R, Nien J, Carstens M, Gonzalez R, Rojas I, DeVore G, **Romero R**. Combined use of aortic arch and ductus venosus velocimetry for the assessment of fetuses with severe placental insufficiency. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003;189:S186 (Abstract 461).

Tromp G, Kuivaniemi H, Chaiworapongsa T, Kim YM, Edwin S, **Romero R**. Genome-wide expression profiling of fetal membranes reveals deficient expression of proteinase inhibitor 3 in premature rupture of membranes. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003;189:S78 (Abstract 54).

Shim SS, Yoon BH, **Romero R**, Hong JS, Kim G, Sohn YK, Park JS, Jun JK, Syn HC. The frequency and clinical significance of intra-amniotic inflammation in patients with preterm premature rupture of the membranes. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003;189:S83 (Abstract 65).

Hassan S, Hendler I, Lajeunesse L, Russell E, Treadwell M, Sorokin Y, **Romero R**. A relationship between cervical length and amniotic fluid interleukin-6. 24th Annual Meeting of the Society for Maternal-Fetal Medicine, February 2-7, 2004, New Orleans, LA. Am J Obstet Gynecol 2003; 189:S237 (Abstract 656).

Wang H, Parry S, Macones G, Sammel M, Kuivaniemi H, Tromp G, **Romero R**, Strauss JF 3rd. Identification of functionally significant polymorphisms in the MMP-8 promoter, allele frequencies, and relationship to preterm premature rupture of the fetal membranes (PPROM). Oral presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:70A (Abstract 3).

Kim GJ, Kim R, Kim RM, Chaiworapongsa T, Bujold E, Espinoza J, Gomez R, **Romero R**. Vascular endothelial growth factor receptor-1 is highly expressed in interstitial trophoblast, but reduced in endovascular trophoblast. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:97A (Abstract 83).

Armant DR, Kilburn BA, Duniec-Dmuchowski ZM, **Romero R**, Leach RE. EGF receptor transactivation in hypoxic human cytotrophoblasts is regulated by metalloproteinase-induced cleavage of transmembrane heparin-binding EGF-like growth factor to its secreted form. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:214A (Abstract 423).

Abrahams VM, Kim YM, Straszewski-Chavez SL, **Romero R**, Mor G. Efficient clearance of apoptotic cells by macrophages at the maternal-fetal interface is critical for successful pregnancy. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:281A (Abstract 616).

Liu Z, Kilburn BA, Leach RE, **Romero R**, Paria BC, Armant DR. Histamine enhances cytotrophoblast invasion by inducing intracellular calcium transients through the histamine type-1 receptor. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:290A (Abstract 640).

Abrahams VM, Straszewski-Chavez SL, Bole-Aldo P, **Romero R**, Mor G. Trophoblast apoptosis is induced through toll-like receptor 2, but not toll-like receptor 4: a novel mechanism for first trimester pregnancy failure. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:318A (Abstract 722).

Bianco K, **Romero R**, Zhou Y, Maymon E, Fisher S. Cytotrophoblast expression of L-selectin as a barometer of inflammation in preterm delivery with and without preeclampsia. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:346A (Abstract 806).

Bytautiene E, Vedernikov Y, Saade G, **Romero R**, Garfield R. Gender differences in vascular responses to an antigen challenge and histamine in guinea pigs. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:380A (Abstract 902).

Mitchell MD, Sato TA, Chang MC, **Romero RJ**, Chaiworapongsa T, Helliwell RJA. Identification of 9 α , 11 β -prostaglandin F₂ in human amniotic fluid and characterization of its production by human gestational tissues. Poster presentation; 51st Annual Meeting of the Society for Gynecologic Investigation, March 24-27, 2004, Houston, TX, J Soc Gynecol Invest 2004; 11:330A (Abstract 759).

Lee W, Deter RL, McNie B, Fritz MS, Goncalves LF, Espinoza J, Chaiworapongsa T, **Romero R**. Comparison of fetal weight prediction models by 2D and 3D ultrasonography. 14th World Congress on Obstetrics and Gynecology, August, 2004 (Poster presentation). *Ultrasound in Obstet Gynecol* 2004;24:352-3. (Abstract P14.19)

Goncalves LF, Espinoza J, Lee W, Schoen ML, Devers P, Mazor M, Chaiworapongsa T, DeVore GR, **Romero R**. Hypoplastic rather than absent nasal bones: a novel phenotypic characteristic of trisomy 21. Description by 3D ultrasound (3DUS) and clinical significance. 14th World Congress on Obstetrics and Gynecology, August, 2004 (Poster presentation). *Ultrasound in Obstet Gynecol* 2004;24:326-7. (Abstract P10.23).

Lee W, McNie B, Deter RL, Goncalves LF, Espinoza J, Chaiworapongsa T, **Romero R**. Individualized growth standards for the fetal arm in normal pregnancies. 14th World Congress on Obstetrics and Gynecology, August, 2004 (Poster presentation). *Ultrasound in Obstet Gynecol* 2004;24: 316-7 (Abstract P08.13).

Espinoza J, Goncalves LF, Lee W, Chaiworapongsa T, Treadwell MC, Stites S, Schoen ML, Mazor M, **Romero R**. The use of the minimum projection mode in four-dimensional examination of the fetal heart with spatiotemporal image correlation (STIC). 14th World Congress on Obstetrics and Gynecology, August, 2004 (Poster presentation). *Ultrasound in Obstet Gynecol* 2004;24:277-8 (Abstract P01.33).

Lee W, Fritz MD, McNie B, Deter RL, Goncalves LF, Espinoza J, Chaiworapongsa T, **Romero R**. Morphologic and quantitative assessment of early gestational sacs using three-dimensional ultrasonography. 14th World Congress on Obstetrics and Gynecology, August, 2004 (Oral presentation). *Ultrasound in Obstet Gynecol* 2004;24:221-2 (Abstract OC021).

Espinoza J, Goncalves LF, Kim YM, Chaiworapongsa T, Nien JK, Lee W, Stites S, **Romero R**. The clinical significance of “sludge” during transvaginal examination of the cervix in patients with preterm labor. 14th World Congress on Obstetrics and Gynecology, August, 2004 (Oral presentation). *Ultrasound in Obstet Gynecol* 2004;24: 219 (Abstract OC012).

Kim Y, Oh S, Nien JK, Gomez R, Kim C, Mazor M, Abrahams V, Mor G, Saito S, **Romero R**. Toll-like receptor 4: a link between “danger signals”, the innate immune system, trophoblast apoptosis and preeclampsia? 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Oral presentation). *Am J Obstet Gynecol* 2004;191:S6 (Abstract 9).

Soto E, Richani K, Espinoza J, Nien JK, Chaiworapongsa T, Edwin S, Mazor M, **Romero R**. Anaphylatoxins in preterm and term labor. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). *Am J Obstet Gynecol* 2004;191:S87 (Abstract 288).

Richani K, Soto E, Espinoza J, Nien JK, Chaiworapongsa T, Edwin S, Mazor M, **Romero R**. Normal pregnancy is characterized by systemic activation of the complement system. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). *Am J Obstet Gynecol* 2004;191:S139 (Abstract 487).

Kim M, Nien JK, Kim C, Kim Y, Kim G, Goncalves L, Oh S, Chaiworapongsa T, Mazor M, **Romero R**. Villitis of unknown etiology as a placental counterpart of transplantation rejection: the demonstration of CD8+ T lymphocyte and NK cell infiltration in this lesion. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). *Am J Obstet Gynecol* 2004;191:S87 (Abstract 290).

Richani K, Soto E, Espinoza J, Nien JK, Chaiworapongsa T, Refuerzo J, Blackwell S, Edwin S, Mazor M, **Romero R**. Unexplained intra-uterine fetal death is accompanied by activation of complement. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S141 (Abstract 568).

Romero R, Gomez R, Nien JK, Yoon B, Beecher C, Mazor M. Metabolomics in premature labor: A novel approach to identify patients at risk for preterm delivery. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Oral presentation). Am J Obstet Gynecol 2004;191:S2 (Abstract 1).

Kim G, Kuivaniemi H, Tromp G, Kim Y, Kim M, Hong JS, Yoon B, Kim CJ, Mazor M, **Romero R**. Evidence for the participation of bone morphogenetic protein-2 in normal spontaneous labor at term. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Oral presentation). Am J Obstet Gynecol 2004;191:S21 (Abstract 46).

Nien JK, Gomez R, Espinoza J, Goncalves L, Hong JS, Edwin S, Hassan S, Mazor M, **Romero R**. Resistin: a hormone which induces insulin resistance is increased in normal pregnancy. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S52 (Abstract 156).

Kim Y, Kim M, Kim G, Espinoza J, Gomez R, Kim C, Yoon B, Mazor M, Saito S, **Romero R**. The placental bed of patients with preeclampsia has increased density of granulysin positive immunocytes. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S31 (Abstract 71).

Hong JS, Espinoza J, Goncalves L, Kim Y, Edwin S, Yoon B, Nien JK, Hassan S, Mazor M, **Romero R**. Osteoprotegerin in maternal plasma during normal pregnancy. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S141 (Abstract 495).

Hong JS, Hull W, Chaiworapongsa T, Whitsett J, **Romero R**. Spontaneous term parturition is associated with decreased amniotic fluid surfactant protein A concentrations. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Oral presentation). Am J Obstet Gynecol 2004;191:S21 (Abstract 45).

Gomez R, Scheffler M, Nien JK, **Romero R**, Medina L, Gonzalez R, Carstens M, Hassan S, Mazor M, Ortiz J. Is amniotic fluid interleukin-6 determination of value before the placement of a "rescue cerclage"? 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S71 (Abstract 223).

Oh SY, Park IS, Chong JK, **Romero R**, Shim SS, Sohn YK, Syn HC, Toon BH. Progesterone receptor isoforms (A/B) ratio of human fetal membrane increases during term parturition. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S185 (Abstract 664).

Haddad R, Tromp G, Kuivaniemi H, Chaiworapongsa T, Kim YM, **Romero R**. Spontaneous labor at term is characterized by a genomic signature of acute inflammation in the chorioamniotic membranes but not in the systemic circulation. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S138 (Abstract 481).

Shim SS, **Romero R**, Sohn YK, Park CW, Park JS, Jun JK, Yoon BH. C-Reactive protein concentration in vaginal fluid as a marker for intra-amniotic inflammation/infection in preterm premature rupture of membranes. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S365 (Abstract 365).

Khalek N, Hassan S, Hendler I, Nikita L, Moldenhauer J, **Romero R**. A short cervix is a risk factor for acute inflammatory lesions of the placenta even in patients who deliver 34 weeks. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S67 (Abstract 209).

Park CW, Oh SY, Um EY, Park JS, Jun JK, Syn HC, **Romero R**. An elevated maternal plasma sFlt1 concentration at the time of mid-trimester genetic amniocentesis is a risk factor for preeclampsia. 25th Annual Meeting of the Society for Maternal-Fetal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S35 (Abstract 86).

Labarrere C, **Romero R**, DiCarlo H, Kim YM, Terry C, Chaiworapongsa T, Mazor M. Evidence that atherosclerosis and atherosclerosis may have a common origin. 25th Annual Meeting of the Society for Maternal-Fetal Medicine Neonatal Medicine, February, 2005. (Poster presentation). Am J Obstet Gynecol 2004;191:S34 (Abstract 84).

Chowdhury M, Tromp G, Kuivaniemi H, Edwin S, **Romero R**. Novel functional sequence variants in the promoter of a gene downregulated in preterm PROM: a possible genetic basis for the predisposition to membrane rupture? 25th Annual Meeting of the Society for Maternal-Fetal Medicine. (Oral presentation). Am J Obstet Gynecol 2004;191:S25 (Abstract 54).