



In this number:

AT THE FRONT PAGE		
International swine congress		1
HIGHLIGHTS		
New projects funded by the MICINN		1
CONFERENCE		
XIII UAB Swine Conference		1
PUBLICATIONS		
Vaccine against Glässer		2
Studies with H1N1 in pigs		2
Avian influenza virus circulation		2
SERVICES		
Training for European vets		2
CONGRESSES		
IPVS in Vancouver		2
Biocat in Barcelona		2
ANNUAL REPORTS		
CRReSA activity in 2009		3
PHD STUDENTS		
Searching candidates		3
SCIENCE AND SOCIETY		
Science Week at CRReSA		3
Subvention from the DIUE		3
DOCTORAL THESIS		
Bluetongue		3
REPORT		
Report about research		3

AT THE FRONT PAGE

The "International Symposium on Emerging and Re-emerging pig Diseases" presents the program of lectures and discussions

The International Symposium on swine diseases, which will take place in Barcelona from 12 to 15 June 2011, has the final program. Over 4 days, the most prominent scientists and veterinarians will visit the Catalan capital to learn the most important developments in the sector. (+)

¡Reservate estas fechas!

th

International Symposium on Emerging and Re-emerging Pig Diseases
Barcelona 12-15 Junio, 2011
www.emerging2011.com

comunicacio@cresa.uab.cat

HIGHLIGHTS



The Ministry of Science and Innovation finances 6 CRReSA's projects

Bovine tuberculosis, swine influenza, bovine neosporosis, *Haemophilus parasuis*, African swine fever virus and porcine microRNAs in viral infections are the topics of the new projects that the Ministry of Science and Innovation has decided to finance. (+)

CONFERENCE



The XIII Swine Conference registration form is already available

Registration to attend the XIII UAB Swine Conference is now available. This event, organized by the Faculty of Veterinary at the Autonomous University of Barcelona, will be held in the Auditorium of the Faculty from 2 to 4 of February. (+)

PUBLICATION



CReSA describes new vaccine antigens against Glässer's disease

Haemophilus parasuis is a swine pathogen transmitted by air or by direct contact. It causes Glässer's disease, a serious health problem for the pork industry. Its control using vaccination has been limited due to the existence of different variants of the bacteria. A study done in the CReSA has found that trimeric autotransporters of *Haemophilus parasuis* can be used to improve future vaccines. (+)

PUBLICATION



New knowledge on the pandemic H1N1 virus in pigs

CReSA scientists have published a study to determine the relevance of human H1N1 virus in pigs previously infected with circulating influenza virus. Thanks to that, important questions have been answered that threatened the pig sector in Europe. (+)

PUBLICATION



Avian influenza virus circulating in wild birds in Catalonia

The journal "Virus Research" has recently published a study where CReSA's researchers have participated and showed that the avian influenza circulating in wild birds in Catalonia are phylogenetically related to Eurasian viruses. This study is pioneer in the detection and study of different subtypes of avian influenza virus in Spain from their natural hosts, the wild birds. (+)

SERVICE



European vets attending the CReSA Training Programs

CReSA Training Programs, an initiative for professionals of the animal health sector, has been recently implemented. Investigators of the CReSA disseminate their knowledge within the areas of expertise. (+)

CONGRESS



CReSA actively participates at the IPVS2010 in Vancouver

CReSA took part in the world swine congress with 39 scientific communications and a booth for the promotion of the 6th International Symposium on Emerging and Re-emerging Pig Diseases. This symposium will be organized by CReSA in Barcelona next June 2011. (+)

CONGRESS



CReSA participated in the third Forum Biocat

The Forum Biocat opened the third edition on 2nd of December, 2010. Representatives of different companies and organizations in the biotechnology sector, biomedical and medical technologies had in this exhibition, the opportunity to exchange views and knowledge. For the first time, CReSA participated as an exhibitor at the conference. (+)

ANNUAL REPORT



Relevant facts of the research activities of the CReSA in 2009

In 2009, the team of researchers of the CReSA reached the following achievements, among others: 72 scientific, indexed articles, 119 communications in congresses, 29 competitive projects in course (5 European projects funded by the 7th Frame Program among them), 5 doctoral thesis, and 38 new contracts with private companies. The Annual Report CReSA 2009 can be consulted. (+)

PhD STUDENTS



Two projects will study emergent diseases transmitted by arthropods and their mosquito vectors

CReSA is looking for candidates having high academic expedient to apply for an early competitive PhD fellowship and initiate their PhD studies on 2011. Both projects will focus on the role of autochthonous mosquito populations on some emergent diseases of medical and veterinary concern (Dengue, Chikungunya, Bluetongue, and African Horse Sickness). (+)

SCIENCE AND SOCIETY



The Science Week brings young people to CReSA

On the occasion of the 15th edition of Science Week, held from 12 to 22 November, CReSA has offered a total of eight tours of the center. More than 130 students could learn how this technological center works. (+)

SCIENCE AND SOCIETY



CReSA is awarded with a grant for science divulgation from the DIUE

CReSA has been granted with a subvention from the Department of Innovation, Universities and Enterprise (DIUE) for funding the project "CReSA channel: a science video channel for everybody". (+)

DOCTORAL THESIS



Defence of the doctoral thesis about bluetongue

On 24th of November, Sebastián Napp Avelli (PhD student of the CReSA) defended his doctoral thesis entitled "Application of Stochastic Models to Assess the probability of introduction and Persistence of Bluetongue in an area" led by Dr. Jordi Casal i Fàbrega. (+)

REPORT



A report situates CReSA at the forefront of the investigation

The College of Veterinarians of Barcelona has recently published a report focused exclusively on CReSA. Its director, Mariano Domingo and one of the researchers of the center, Natàlia Majó, make a radiograph of the current situation CReSA and talk about work on the H1N1 virus. (+)

