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CReSAPIENS, new science divulgation journal

CReSAPIENS is a science divulgation journal aimed to divulgate the knowledge and results of research generated at the CReSA. CReSAPIENS has been created with the aim of approaching science to society, trying to make understandable issues only reserved for the scientific community until now. This initiative has been funded by the FECYT, through the Call for Aid for the promotion of scientific culture and innovation 2010.



In the first issue we deal with a topic that generates a growing concern: the emerging viral diseases as a consequence, among other factors, of global migratory movements, climate change, animal movements and deforestation; and due in part to globalization. We cannot forget cases such as the Asian bird flu outbreaks in 2005 and social alarm caused by the pandemic flu in 2009. (+)

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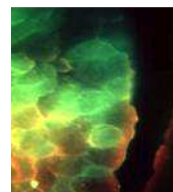
TECH TRANSFER



From genetic characterization to Glässer's disease vaccine development

"Polynucleotides of *Haemophilus parasuis* and its use" is a CReSA's patent (WO/2007/039070) that has allowed the selection of new antigen candidates for vaccination against Glässer's disease. Those antigens were selected using a reverse vaccinology approach. (+)

PUBLICATION



Role of T interferon-gamma in protection against classical swine fever (CSF)

A study carried out by researchers of the CReSA demonstrates that interferon-gamma induction correlates with protection by DNA vaccine expressing E2 glycoprotein against classical swine fever virus infection in domestic pigs. (+)

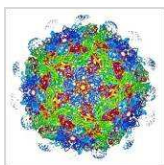
CReSA TRAINING PROGRAMS
Courses and Seminars for Professionals

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International
Symposium on Emerging
and Re-emerging Pig Diseases
Barcelona 12-15 June, 2011

PROCEEDINGS
(download pdf)

PUBLICATION

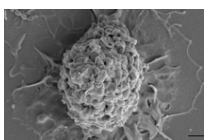


Institute for Animal health

DNA immunization of pigs with foot-and-mouth disease virus minigenes

One of the main challenges in animal health research is developing new and more effective and safer recombinant vaccines against foot-and-mouth disease (FMD), one of the most contagious and economically devastating diseases for ungulates. Researchers of the CReSA, INIA and CBMSO have published in *Virus Research* the last results obtained with DNA vaccines. (+)

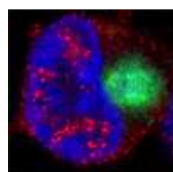
PUBLICATION



Streptococcus suis polysaccharide interferes with dendritic cell functions

A study by scientists at the University of Montreal in collaboration with scientists at CReSA has determined that the capsular polysaccharides of *Streptococcus suis* are an important virulence factor involved in the functions of porcine dendritic cells. (+)

PUBLICATION



Implication of the host nucleus during African swine fever virus (ASFV) infection

Researchers of the CReSA have demonstrated the relevance of the host nucleus during ASFV infection. These discoveries might have important implications when searching for antiviral strategies against ASF that is currently causing real economical problems in many sub-Saharan countries and knocking at the door of the EU. (+)

CONGRESS



More than 1000 attendants at the international symposium organized by CReSA

More than 1000 people attended the 6th International Symposium on Emerging and Re-emerging Pig Diseases held at the Palau de Congressos de Catalunya, Barcelona (Spain). During 4 days, veterinarians and scientists from around the world presented the latest and more relevant information on emerging and re-emerging diseases of swine, with special emphasis on PRRS, PCVD and swine influenza (SI). (+)

SERVICE



Generalitat de Catalunya Services commissioned by the Generalitat de Catalunya

During 2010, CReSA carried out different actions for the departments of the Generalitat de Catalunya with animal health and public health responsibilities. The 2010 Annual Report is already available at the CReSA website. (+)

SERVICE



Seminar for cooperative veterinarians at CReSA

Last 6th July, Laila Darwich, Sergio López and Gerard Martin offered the seminar called "Swine viral diseases: PRRS, circovirus and influenza". This event was organized by the CReSA, in association with the Federació de Cooperatives Agràries de Catalunya (FCAC) and the IRTA. (+)

VISIT



Professor Zygmunt Pejsak visited the CReSA

Last 17th May 2011, Professor Pejsak, from the National Veterinary Research Institute (Pulawy, Poland) gave a lecture in CReSA entitled "Swine production and organization of research on pig health control in Poland". He showed updated pig production figures and explained the research system for animal health in Poland. (+)

MEETING



Future prospects in the development of vaccines against RNA viruses

The meeting organized by the European network EUROPRRSNET took place in Barcelona (10-11 June 2011). Future prospects for developing vaccines against the Porcine Respiratory and Reproductive Syndrome Virus (PRRSV) were presented. (+)