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## AT THE FRONT PAGE

### The CReSA's website, also in English



The research, services and activities carried out by the CReSA have an interest not only on the national level, but also on the international level. By this reason, the CReSA actively promotes the projection of the center by participating in projects with other institutions and research centers.

Currently, the CReSA participates in four programs of research within the VI Frame Program, financed by the European Union:

- EUROFLU. Molecular Factors and Mechanisms of Transmission and Pathogenicity of Highly Pathogenic Avian Influenza Virus
- MEDREONET. Surveillance network of Reoviruses, Bluetongue and African Horse Sickness, in the Mediterranean basin and Europe
- PCVD. Control of Porcine Circovirus Diseases (PCVDs): Towards Improved Food Quality and Safety
- POULTRYFLORGUT. Control of the intestinal flora ecology in poultry for ensuring product safety for human consumers

Likewise, the researchers maintain open lines of communication with other scientists, veterinarians and producers' associations, thereby enhancing the transfer of information at the international level.

For facilitating access to information, activities and results of research of the CReSA, you can access the contents of the website in Catalan, Spanish and English. (+)

## HIGHLIGHTS



### SESC: a new tool for slaughterhouse veterinary inspectors

SESC, a specialized supporting service has been created intended for slaughterhouse veterinarians working for the *Departament de Salut* (Public Health Department) of the Catalan government (*Generalitat de Catalunya*). The CReSA's team of pathologists and selected external collaborators answer the enquiries received. (+)

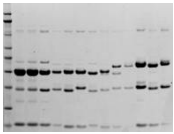
## RESEARCH



### Evolution of avian infectious bronchitis virus in Spain

Researchers of the CReSA have published in *Virology* a molecular study of avian infectious bronchitis virus (IBV) in Spain, with particular interest in evolution aspects, based on the molecular characterization of 26 strains isolated in Spain over a fourteen-year period. (+)

## RESEARCH



### Molecules for developing new vaccines against *Haemophilus parasuis* will be identified

A new project granted by the Ministry of Education and Science (MEC) to Dra. Virginia Aragón (investigator of the CReSA) will allow characterizing the surface and secreted proteins by virulent *Haemophilus parasuis* strains. Among other benefits, it will permit to know if these antigens are preserved and useful for developing new vaccines. (+)

## RESEARCH



### Virus-encoded microRNAs affecting porcine will be identified

A new project granted by the Ministry of Education and Science (MEC) will allow Dr. José Ignacio Núñez (investigator of the CReSA) to identify microRNAs encoded by viruses that affect pigs, as type 2 porcine circovirus (PCV2), porcine reproductive and respiratory virus (PRRSV), Aujeszky's disease virus and African swine fever virus, in coordination with the UAB. (+)

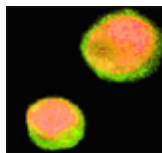
## RESEARCH



### Dynamics of *Haemophilus parasuis* genotypes

In healthy farms is common to have a diversity of *H. parasuis* strains, in balance with the immunity of the pigs. The introduction of new virulent strains can break this balance and subsequently produce an outbreak. This study shows the dynamics of *H. parasuis* genotypes in a farm that recovered from a Glässer's disease episode. (+)

## RESEARCH



### Searching for an efficacious vaccine against the African swine fever

In spite of the advances achieved during the last years, it is necessary to progress on the development of new strategies for controlling the African swine fever (ASF). A new project coordinated among CReSA, INIA and the CISA-INIA, granted by the Ministry of Education and Science (MEC), has as main objectives the development of more sensitive diagnostic systems and an efficacious vaccine. (+)

## CONGRESS



### *X Jornadas de porcino UAB* (swine conference UAB)

The *X Jornadas de porcino UAB* (swine conference UAB) *In Memoriam* Carlos Pijoan was celebrated in the Veterinary School of the *Universitat Autònoma de Barcelona*. Three conference days were conducted from February 13th to 15th. A high number of professionals of the pig sector contributed to and enjoyed this event. (+)

## ACTIVITY



### The CReSA contributes to ESCOLAB 2008

Scientifics from Barcelona have organized a set of activities addressed High School students held in the various labs, Universities and Enterprises in Barcelona. From January until April 2008, Escolab offers more than 50 activities where you will be able to find a guided visit around the CReSA. (+)