

USC 1383 - Cellular and Molecular Immuno-Endocrinology (IECM)

SUPERVISORY BODIES



The IECM Unit focuses its research on the effects of pancreatic microenvironmental stress on autoimmunity leading to type 1 diabetes and the impact of stress on anti-infective immunity in pigs. This research includes the identification of original biomarkers (microRNAs, extracellular vesicles, neuroendocrine system) and the development of innovative therapeutic approaches (extracellular vesicles, cellular xenotherapy and bioartificial pancreas).

The IECM Unit develops skills in immunology, biotechnology, functional tests and integrative biology (particularly the pig model) and is part of a "One Health, One Medicine" and translational approach. The integration of researchers, pharmacists, veterinarians and human medicine clinicians within the unit makes it possible to envisage the transfer of new pre-clinical concepts to clinical research in animal and human health.

ÉTABLISSEMENTS ASSOCIÉS

INRAE

Unit website :

<http://www.oniris-nantes.fr/la-recherche/les-unites-de-recherche/iecm-usc-1383/>

UNIT MANAGER

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DOCTORAL SCHOOL(S)

Biology-Health (UBL)

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Co-accredited institutions : Oniris, Université d'Angers, Université de Bretagne Occidentale, Université de Nantes, Université Rennes 1, ENS Rennes

Head : Yann PEREON