



Dr C. ROGEL-GAILLARD

Curriculum Vitae

Claire Rogel-Gaillard is director of research at the French National Institute for Agricultural Research (INRA). She is currently heading the INRA-AgroParisTech joint Laboratory of Animal Genetics and Integrative Biology (GABI, http://www6.jouy.inra.fr/gabi_eng/) located at Jouy-en-Josas, France. She is director of Sciences Animales Paris-Saclay (SAPS, <http://saps.paris>), a multidisciplinary institute for research, training and innovation in the animal sciences that was launched in 2015. As a member of the International Society of Animal Genetics (ISAG), she is involved in two committees i.e. for pig MHC nomenclature and for genetics of immunity and resistance to diseases.

Her current research activities focus on the characterization of the immune capacity in pigs with the aim of identifying genetic markers and biomarkers predictive of vaccine responses and resistance to pathogens. She runs integrative projects on large-scale pig cohorts that combine phenotyping of immune and production traits, genetics, functional genomics and metagenomics in a perspective of data integration and modelling. She participated in the sequencing project of the pig and rabbit reference genomes, co-coordinated the annotation of the pig immune and has recently completed the reference gene catalogue of the pig gut microbiome.

EXPERTISE

- Genome mapping and sequencing, structural and functional genomics
- Immunogenetics and MHC (pig and rabbit)
- Gut microbiome (pig)

AWARDS

- Medal of vermeil of the French Academy of Agriculture (2014)