



Likely to be offered in first trimester of 2023
2 jobs at INRAE, Jouy en Josas, France in the BREED unit -
https://www6.jouy.inrae.fr/breed_eng/

Researcher in epigenetics tenure position

A permanent researcher position should soon open up in our unit (UMR1198, Biology of Reproduction, Epigenetics, Environment and development (BREED), INRAE, France)

Position responsibilities: to study how the ruminant genome adapts to environmental variations via epigenetic processes. A focus will be done on in utero life environment variations and consequences on performances of progeny at adult stage. If you are motivated by functional annotation of ruminant genomes, improving livestock welfare, health and performances, then join us.

Our strong points: we are a dynamic team committed to epigenetics, ruminant physiology and reproduction. We have internationally recognized know-how in DNA methylation analysis and state-of-the-art with automated equipment and high-performance bioinformatic tools and international partnerships. You will join an international consortium (RUMIGEN) offering fruitful collaborations. You will be able to practice your profession while preserving your personal/professional life balance.

If you are Interested,

- Contact
 - Hélène Jammes helene.jammes@inrae.fr
 - Hélène Kiefer helene.kiefer@inrae.fr
- Check INRAE Jobs website. <https://jobs.inrae.fr/concours/concours-charges-recherche-classe-normale-profil-h-f> from January 30, 2023 to apply. And if you want to receive an email notification on D-Day (<https://jobs.inrae.fr/formulaire-alerte-campagne>), don't hesitate to create your job alert.

Take care the application site will close on March 2nd, 2023

Junior professor tenure track position

This position is a tenure track position to become tenured research director (equivalent to professor) within 3-4 years . The recruited person will be recruited as researcher and benefit from up to €300,000 for starting his/her lab in form of PhD student grants and funding for lab work. In order to be tenured, he/she will have to take their habilitation* within the three years.

Scientific project

Profound epigenetic rearrangements are at work throughout the embryonic period, orchestrating the establishment of early cell lineages. Any disruption of these mechanisms by environmental factors (e.g., thermal stress, modification of food inputs) can have effects on the offspring, with potential transmission over several generations via epigenetic marks in the gametes that these disruptions inscribe. Thus, it is known that genome initiation, pluripotency establishment, implantation and subsequent gestation are critical periods where changes in the maternal environment due to, among other things, metabolic disorders, are closely linked to epigenetic modifications in the embryo, fetus and placenta. The recruit will study the interactions between metabolite flux and epigenetic rearrangements at one or more of these key time points in model mammals and mammals of agronomic interest. The junior faculty member will interact closely with epigenetics researchers and may use previously developed metabolic disruption models to initiate his/her studies. He/she will interact with the whole unit for the study of late phenotypes. His/her study will open new fields of action for the mitigation of environmental effects and the production of animals better adapted to new breeding conditions.

Teaching (42 hours / year)

The recruited person will be involved in teaching at several levels in the Université Paris-Saclay (<https://www.universite-paris-saclay.fr/en>). His/her courses will focus on cellular metabolism. Within the teaching programs dealing with the concept of DOHAD, his expertise will complement the courses currently offered on epigenetic mechanisms, gametogenesis and the embryo. Within the UFR of Medicine, the junior professor will be able to contribute to the teaching of physiology and cell biology at the University of Versailles Saint-Quentin and to intervene in her specialty in the Life Sciences and Health Department at AgroParistech. She will be involved in the Master's degree of Integrative Biology and Physiology in the M1 BIP Animal and the M2 Predictive & Integrative Animal Biology (PRIAM) and will participate in the M2 Reproduction and Development (ReproDev) of the Health Biology degree. It will be attached to the Graduate School Biosphera (<https://www.universite-paris-saclay.fr/graduate-schools/graduate-school-biosphera>) and within this framework, will also be able to offer other cross-disciplinary courses or international courses within EUGLOH (European University Alliance for Global Health).

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It is important that you contact us ASAP to prepare your research program that will be required in your application form.

** The habilitation to conduct research (HDR) is a higher education qualification, which can notably be obtained after a PhD. It is the highest of the French diplomas.*

It certifies the:

- *high scientific level of the candidate*
- *originality of his approach in a field of science*
- *ability to master a research strategy in a sufficiently broad field of science or technology*
- *ability to mentor young researchers.*

*The HDR allows you to become a thesis director or rapporteur, as well as to apply for a job as a university professor.
Obtaining an HDR is subject to a presentation of the research work.*