

POST-DOC and PHD POSITIONS AVAILABLE IN THE LABORATORY OF ANIMAL GENOMICS, GIGA-MEDICAL GENOMICS UNIT

Established in 2007 at the University of Liège, **GIGA** is an interdisciplinary research center in biomedical sciences whose mission is advanced medical innovation. The institute encompasses more than 500 members (PI, senior researchers, post-doctoral scientists, thesis students, technicians) with expertise in medical genomics, *in silico* medicine, neuroscience, oncology, infection and immunity, and cardiovascular sciences.

GIGA provides its members access to a broad range of state-of-the-art technologies through core facilities, including the genomics platform (<http://www.giga.uliege.be/>).

GIGA is the only Belgian research center directly integrated within a university hospital, making it a major player in translational research where links between researchers and doctors are at the heart of the research activity.

The Laboratory of ANIMAL GENOMICS (www.giga.uliege.be/cms/c_20639/fr/unit-of-animal-genomics-home) of the GIGA-MEDICAL GENOMICS (http://www.giga.uliege.be/cms/c_17588/fr/giga-medical-genomics-accueil) is **seeking to hire an enthusiastic Post-Doc and a PhD candidate to work in the field of inflammatory bowel disease (IBD) genetics.**

The IBD team in the Animal Genomics lab seeks energetic and highly motivated 1) post-Doc scientist with a PhD degree in *Genetics, Bioinformatics, or related disciplines*. 2) *PhD student with a master's degree or equivalent in Genetics, Bioinformatics, veterinary/human medicine, or related disciplines.*

The project aims to uncover peripheral blood and gut cell-type specific cis-eQTL driving inherited predisposition to IBD. The project is built on prior investments particularly with regards to the establishment of new cohorts and the "pre-collection" of many samples (over 10.000 samples), which have laid the foundation of what has the potential to be an important contribution to the scientific community. Furthermore, through an H2020 (SYSCID), FNRS and Welbio funded projects, we have built a network of top-notch Belgian and International laboratories with complementary expertise in genomics, immunology, and cell biology to jointly develop a pipeline to systematically interrogate IBD-relevant functions of GWAS-identified candidate genes to select promising new drug targets.

The candidate must have:

- Strong expertise in molecular biology. Expertise in single cell biology and NSG are assets.

- Proficiency in using R/Bioconductor packages as well as scripting/programming languages (Bash, Perl, Python ...). Familiar with Linux environment and computing clusters
- Good spoken and written English
- Determined to work independently and as part of a team, good communication and organizational skills.

Selected publications

- Momozawa Y *et al.*, *Nature Communications* ; 2018 Jun 21;9(1):2427.
- Huang H *et al.*, *Nature*. 2017 Jul 13;547(7662):173-178.
- Amininejad L *et al.*, *Gastroenterology*. 2018 Jun;154(8):2165-2177.
- Momozawa Y *et al.*, *Nat Genet*. 2011 Jan;43(1):43-7.

We offer

- A high profile research project, fully financed by highly competitive grants
- A modern, international, and well-equipped research environment with state-of-the-art technological platform
- An attractive salary in an affordable, lively, and welcoming environment.
- For post-doc position, funding available for 3 years / for the PhD student, funding is available for 4 years.
- The positions are available immediately

How to apply?

Please provide a cover letter in which you describe yourself and explain your interest in the position and your long-term career perspectives, a CV including information about your education, previous work experience and expertise, and two references with contact information. Documents should be sent to srahmouni@uliege.be.

Additional information can be obtained at the same email addresses.