



## PhD position in Cancer Genomics and Microfluidics at the GIGA Research Institute, Unit of Medical Genomics

A doctoral position is available to join the HTLV-1/BLV genomics team hosted by the Unit of Animal Genomics (UAG, Prof. Michel Georges) at the GIGA Research Institute of the University of Liège, Belgium.

We are seeking a highly motivated scientist interested to join a collaborative research project between the GIGA/UAG, the Microfluidics Lab (Prof. Tristan Gilet, Dept. Aerospace & Mech. Eng.) and the Jules Bordet Cancer Institute in Brussels. The HTLV-1/BLV genomics team led by Dr Anne Van den Broeke is interested in fundamental and clinical questions of tumor evolution in delta-retroviral models of cancer. As a doctoral scientist, the candidate will be part of a high-quality genomics research environment and have access to state-of-the-art core facilities including chip production and testing facilities at the Microfluidics Lab.

The GIGA is located at the Sart-Tilman campus

[https://www.campus.uliege.be/cms/c\\_9038317/en/liege-sart-tilman](https://www.campus.uliege.be/cms/c_9038317/en/liege-sart-tilman)

### Selected publications

Artesi et al. *bioRxiv* 2019, 558130; doi: <https://doi.org/10.1101/558130>

Rosewick et al. *Front. Micro.* 2020, 11: 587306; doi: 10.3389/fmicb.2020.587306

Marçais et al. *Leukemia* 2020, doi:10.1038/s41375-020-0900-3

Rosewick et al. *Nature Communications* 2017, 8, 15264

Artesi et al. *Leukemia* 2017, 31, 2532-2535

Durkin et al. *Retrovirology* 2016, 13:33

Rosewick et al. *Proc. Natl. Acad. Sci. USA* 2013, 110, 2306-2311

### For more information

[https://www.giga.uliege.be/cms/c\\_4113263/en/portail-giga](https://www.giga.uliege.be/cms/c_4113263/en/portail-giga)

[https://www.gigauag.uliege.be/cms/c\\_4254739/en/portail-gigauag](https://www.gigauag.uliege.be/cms/c_4254739/en/portail-gigauag)

<https://www.bordet.be/en/experimental-haematology-laboratory>

<http://labos.ulg.ac.be/microfluidics/>

The candidate will apply single-cell methods combined with microfluidics technologies and NGS to explore genomic alterations underlying tumor evolution in human T-cell leukemia virus (HTLV-1)-induced leukemia and the corresponding animal model (Bovine Leukemia Virus, ovine model of leukemia).

We will consider motivated scientists willing to combine technical skills in microfluidics with cancer genomics. Expertise/knowledge in these disciplines is an asset. The candidate should have a master degree in biomedical sciences, engineering or an equivalent degree and be determined to work as part of a team as well as independently.

The position is immediately available for 24 months initially, with a possible renewal of another 24 months. Deadline for application: December 10, 2020.

Interested applicants should send a brief description of their motivation in pursuing this doctoral position, information about their education, previous research experience and technical expertise if applicable, a CV, and three references with contact information to

[anne.vandenbroeke@bordet.be](mailto:anne.vandenbroeke@bordet.be) and [anne.vandenbroeke53@gmail.com](mailto:anne.vandenbroeke53@gmail.com)