



JOB OFFER



POST-DOCTORAL POSITION

TRANSCRIPTOMICS AND BIOINFORMATICS at de Duve Institute, University of Louvain, (Brussels, Belgium)

The laboratory is located at the de Duve Institute, Faculty of Medicine, University of Louvain, Brussels campus (<https://www.deduveinstitute.be/>). De Duve Institute is an international multidisciplinary institute dedicated to biomedical research. Brussels provides a pleasant setting along with a very rich cultural life, just a step from France, Germany, Luxemburg, and the Netherlands. Brussels is the European Union's Capital City with a multicultural life setting.

Your mission

We are looking for an enthusiastic and ambitious postdoctoral fellow to study the pathophysiological bases of vascular anomalies and lymphedema via an integrated analysis of “omics” data (incl. single cell and bulk transcriptomes, methylomes, and genomes). The postdoctoral fellow will participate in all the aspects of the omic-studies, from data analysis to writing manuscripts for submission to peer-reviewed scientific journals.

The postdoctoral fellow will join the Human Molecular Genetics (GEHU) unit headed by Pr. Miikka VIKKULA. The postdoctoral fellow will work in collaboration with the PhD students and senior scientists of the group, including Dr Pascal Brouillard, UCLouvain NGS platform manager, and Dr Raphael Helaers, Bioinformatician who developed the in-house used Highlander software for NGS variant analyses (<https://sites.uclouvain.be/highlander/>).

Your qualifications and skills

The candidate holds a PhD in Genetics, Molecular or Systems Biology, Bioinformatics, (Bio) Statistics, or Computational Sciences and a strong record of academic achievement. Demonstrating previous research experience working with omics data, especially RNASeq data, is recommended. Good knowledge of the R programming language, Bioconductor infrastructure and Unix HPC environment (e.g. Bash scripting, Python, Slurm submissions) would be an asset. The applicant must have excellent oral and written English skills. The applicant will be able to work independently to develop and drive his/her own research ideas, taking advantage of the resources available to the group, as well as working in a team based-environment. Excellent facilities are available and there is a strong commitment to career development.

Specific requirements

The candidate is considered in "international mobility", i.e. she/he has not resided, studied or worked in Belgium for more than 24 months over the past 3 years before the start of the post-doc.

What we offer

The appointment will be for a minimum for 2 years, depending on the candidate's goals, qualifications, fit and productivity.

Interested?

Applicants should send their curriculum vitae, along with a letter expressing why they are interested in this position, copies of all their transcripts, as well as the names and contact information for three references to Professor Miikka Vikkula M.D., Ph.D., Professor of Human Genetics.

Email: patricia.dresse@uclouvain.be

