Post-doc position in Data Science, Biostatistical Bioinformatics and Computational biology

Description

The interdisciplinary BIO3 team (bio3.giga.ulg.ac.be/) is looking for an enthusiastic and highly motivated post-doc data scientist with a multidisciplinary background in machine learning/biostatistics, statistical genetics/molecular biology, and biotechnology/bioinformatics (or equivalent spectrum).

The project aims to study how genetic factors contribute to dementia. The specific work that recently received NIH funding will use data from UK’s own Alzheimer’s Disease Research Center (ADRC). Additional data will come from other ADRCs — the National Institute on Aging funds 33 centers across the U.S. — and from other dementia research consortia. The successful post-doctoral candidate will be located at the University of Liège in Belgium and is expected to collaborate closely with co-investigators from UK. More information about the project’s context can be retrieved via https://medicine.uky.edu/news/uk-researchers-receive-funding-study-how-genetic-2023-06-16t08-18-35.

BIO3 is a highly dynamic and flexible group with core areas of expertise including biostatistics, biomedicine and bioinformatics. The mission of BIO3 is to help biomedical researchers carry out their investigations and analyze their data, as well as designing new statistical and bioinformatics methods whenever they are needed. Algorithm optimization and computational methods are primarily developed in the context of precision medicine at the interface of systems medicine and translational science. The team’s motto: “To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science” (A Einstein)

The BIO3 lab is part of the GIGA biomedical research center of the University of Liège (http://www.giga.uliege.be/). GIGA was established in 2007 at the University of Liège as 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.

The offer:

- A contract for three years in an affordable, lively and welcoming environment
- A high-profile research project with a high impact on precision medicine and precision public health
- A modern, international and well-equipped research environment
- A position that is immediately available

Selected publications by BIO3 members


**Required education**

Appointment to a post-doctoral position requires that the applicant has a PhD within the position’s specifications, as mentioned before, at the time of employment decision. The doctoral degree should have been obtained no more than five years before the start of the position. Extensions are possible under certain circumstances, such as childbirth and adoption. Importantly, the candidate should be in a situation of international mobility: he/she should not have worked or lived in Belgium for more than 24 months during the three years preceding his/her start date.

**Other requirements**

- You are proficient in R/Bioconductor packages and scripting/programming languages (Bash, Perl, ...).
- You are familiar with Linux environments and computing clusters.
- You have expertise in Network Medicine and Big Omics Data analyses.
- You have excellent communication skills, including in written and oral English.
- You can work independently and as part of an international team.

**Procedure**

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.

**Applications (cover letter and detailed CV) with the subject title “Post-doc position in Data Science, Biostatistical Bioinformatics and Computational biology” should be submitted to rh.giga@uliege.be**

**Deadline for application:** open until filled