Vacancy for a permanent scientist in the field of Bioinformatics

**Start date:** 1 October 2021

**Job description:**

A **full-time research logistician** position in the field of Bioinformatics within the Department Biomedical and Preclinical Sciences and the GIGA-R.

Life sciences are increasingly moving towards a “data science”. The ability to analyse massive “omic” data efficiently is crucial. Our scientific community is still ill-prepared for this development and must be supported in this area at all costs. In addition, the advent of single-cell techniques is leading to a considerable production of bioinformatics data, requiring assistance for any novice researcher.

An effective way to achieve this goal is through the establishment of a Bioinformatics platform. The GIGA is making progress in this direction and has hired three bioinformaticians for its genomics and imaging/cell sorting platforms. The aim is to establish an independent Bioinformatics platform as soon as possible. The existing bioinformaticians support a community of ULiège researchers that is growing on a daily basis. They contribute to a growing number of the best GIGA publications.

**Activities:**

The aim of the platform will be to provide technological and scientific support to all teams of the Faculty of Medicine, the GIGA and the University of Liège that need bioinformatics analyses.

- Coordination of the bioinformatics team;
- Analysis of NGS and other omics data;
- Development of pipelines and implementation of analysis tools;
- Scientific monitoring to keep abreast of the latest developments in bioinformatics (reading articles, participating in conferences, etc.);
- Interaction with research groups, other platforms, UDI-GIGAMED and SEGI to assess needs and implement appropriate solutions;
- Management of the mass storage and computing cluster, in collaboration with UDI-GIGAMED and SEGI, in order to optimise their use and meet users’ needs;
- Estimation of future needs and planning for the provision of the necessary infrastructure. Definition of the rules for the use of these resources and coordination of communication to users on this subject;
- Advice and assistance in experimental design, data management and analysis, use of the computing cluster, and interpretation of results;
- Involvement in the community service activities of the Department of Biomedical and Preclinical Sciences.
Qualifications required / profile:

The candidate shall:

- Hold a research PhD in Biomedical and Pharmaceutical Sciences or equivalent;
- Demonstrate particular competence in the field concerned;
- Have experience in the analysis and management of NGS data and in the use and management of a High Performance Computing (HPC) cluster;
- Be able to explain basic bioinformatics concepts clearly to scientists with little or no experience in the field;
- Demonstrate the human qualities needed to manage activities of a collaborative nature as well as the ability to work independently;
- Master written and spoken French and English.

In addition, the following skills are an advantage:

- Have published international scientific publications and have completed a post-doctoral stay of at least six months abroad.

Selection procedure:

Applications will be subject to a pre-selection on the basis of a dossier. Successful candidates will then be invited to an interview.

Applications:

Applicants are requested to submit their applications electronically, to the following address: Postesscientifiques@uliege.be with a copy to Ms Elisabeth Scherlizin E.Scherlizin@uliege.be no later than 25 April 2021.

Required documents:

- An application (with a cover letter) accompanied by a complete curriculum vitae;
- A report on past and current research and/or development activities, including how integration within the University of Liège is envisaged;
- A copy of publications.

Conditions of recruitment:

Positions are awarded either on a permanent basis from the outset or following a positive evaluation at the end of a term of office or a fixed-term contract of up to four years.

Our institutional policy is based on diversity and equal opportunities. We select candidates on the basis of their qualities regardless of age, sexual orientation, origin, beliefs, disability or nationality.

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1 If the successful candidate is well known to the Institution and has already demonstrated their qualifications, the Committee may, if it so wishes and giving reasons, propose to appoint them from the outset on a permanent basis.
Information:

Further information on the position can be obtained from the GIGA: Mr. Wouter Coppieters - Wouter.Coppieters@uliege.be and Mr. Michel Georges - Michel.Georges@uliege.be

Salary scales and how they are applied are available from the human resources department of the University: Ms Ludivine Depas – tel.: +32 4 366 52 04 – Ludivine.Depas@uliege.be