Academic vacancy in the field of “Molecular Bacteriology”

Start date: 01/09/2020

Vacancy Reference: FS2020-5

Description of the course load:

A full-time, indivisible position in the field of Molecular Bacteriology, within the Department of Life Sciences in the Faculty of Sciences. This post includes teaching, research and service to the Community.

Teaching activities:
In addition to the theory courses, organisation of practical work sessions in relation to the Department’s teaching in the cycles of the Bachelor’s degree in Biological Sciences and the Masters in Biochemistry and Molecular and Cellular Biology, as well as the Masters in Bioinformatics and Modelling. These tasks, which represent a workload of about 180 hours/year, may include not only students in the Department, but may also involve students from other branches of the Faculty of Sciences (e.g. Chemical Sciences) or even other Faculties (e.g. School of Engineering). Courses may be given in French or English, depending on the course of study and the level of study. In addition to these courses, the successful applicant will supervise students doing internships in laboratories.

As an example, the course load could include the following courses:
- Introduction to Microbiology (Block 2, Bachelor of Biological Sciences, 10h+10h)
- Bacteriology (Block 3, Bachelor of Biological Sciences, 20h + 10h)
- Biochemistry and physiology of microorganisms (Block 1, Masters BBMC and BIM, 15h)
- Bacterial pathogenesis (Block 1, Masters BBMC and BIM, 15h)
- Biology and introduction to biochemistry (block 2, Bachelor of Chemical Sciences, 30h+30h)

In addition, the successful candidate may be required to teach one or more General Biology courses at Bachelor level.

The new lecturer will have to develop, in consultation with the other relevant teachers at ULiège, a new course entitled Introduction to Microbiology, initially intended for students with a Bachelor’s degree in Biological Sciences. The aim of this course will be to show the importance and diversity of the microbial world for the environment and our daily life within the framework of the One Health concept.

Research Activities:
The research developed by the candidate should consolidate the research activities carried out within the Centre d'Ingénierie des Protéines (CIP). Preference will therefore be given to applicants whose skills complement the strengths of the CIP and whose experimental approaches will take advantage of available technology platforms (e.g. the Protein Factory and Robotein). In particular, research into the phenomena of bacterial adaptation to various stresses (including antibiotic resistance) will be of benefit. This research theme ranges from the
fundamental aspects of bacteriology to the applied aspects of environmental, agri-food and medical biotechnology. The objective is to strengthen the research themes already in place in this field and to encourage the development of new themes that respond to current challenges, mainly in the fields of bacterial physiology, antibiotic resistance and the identification of new bioactive molecules.

Candidates must demonstrate a high quality scientific production in accordance with the standards of the discipline. They will also be expected to apply to external bodies in order to obtain relevant funding.

**Community-related activities:**
The successful applicant will be involved in community service activities, such as promoting their field of research, science in general and ULiège to the general public and potential students. They will also play an active role in the life of the Department, the Faculty and the Institution.

**Qualifications/Profile:**
- Must hold a doctorate;
- Applicants will be expected to demonstrate strong research potential and autonomy. In addition, applicants must demonstrate excellent teaching skills (teaching and mentoring doctoral students);
- They should demonstrate an aptitude for teaching general biology, biochemistry, microbiology and bacteriology at Bachelor and Master’s level;
- Provide evidence of international research experience in the field of bacteriology, in particular its molecular aspects;
- Must provide evidence of a long-term, one-time, postdoctoral research stay in a research laboratory abroad;
- Fluency in French for the Bachelors level courses;
- Fluency in English for Masters level courses.

**Selection procedure:**
The selection procedure will be in accordance with the regulations applied within the University of Liège.

**Applications:**
Candidates are requested to send their applications electronically to the following address: Postesacademiques@uliege.be with a copy to Ms Françoise Motte - francoise.motte@uliege.be by 13 March 2020 at the latest.

**Required documents:**
- Applications should be submitted (with a cover letter), accompanied by a complete curriculum vitae (see the procedures on the website of the Faculty of Sciences at: https://www.sciences.uliege.be/emploi-sciences);
- A report on past and current research activities and a research plan, including the envisaged integration within the University of Liège;
- A teaching dossier including a report on any previous teaching activities and a teaching plan;
- A copy of any publications (electronic version).
Conditions of recruitment:

The position shall be assigned either from the outset on a permanent basis or for a fixed term of four years, which may lead to the permanent appointment of the person concerned.

In the case of a four-year appointment, an evaluation of the person concerned will be carried out at the end of the third year.

- If the evaluation is negative, the person concerned will complete the four-year term but will not be able to extend it.
- If the assessment is positive, the person concerned shall be appointed on a permanent basis.

Information:

Any further information can be obtained from Ms Françoise Motte - tel: +32 4 366 36 52 – Francoise.Motte@uliege.be

Remuneration:

Salary scales and how they are applied are available from the University’s Human Resources department: Ms Ludivine Depas - tel: +32 4 366 52 04 – Ludivine.Depas@uliege.be