

## Vacancy for a permanent scientist in the field of Physical Chemistry

Start date: 1 October 2021

### Job description:

A position of first full-time assistant, in the field of Physical Chemistry within the Department of Chemistry.

### Activities:

#### **Teaching**

The teaching tasks of the position of First Assistant will include the supervision of practical work, tutorial sessions and repetitions in relation to the teaching given by academic staff in the Department of Chemistry in the Bachelor and Master cycles. These tasks represent a maximum load of 150 hours per year and may involve both Bachelor's and Master's students in the Department of Chemistry as well as students from other departments of the Faculty of Science and pre-merit students from other Faculties.

The following courses will be given priority in the allocation of around of 150 hours per year of teaching:

- CHIM0739-1 - Physical Chemistry, Thermodynamics and Electrochemistry, 40h Pr, 25h Rep
- CHIM9285-1 - Chemical kinetics, Introduction to spectroscopy and group theory, 20h Rep
- CHIM0704-1 - Theoretical Chemistry, 15h Rep
- CHIM9293-1 - Integrated Spectroscopy Laboratories, 105h Pr
- CHIM9288-1 - Spectroscopy and elements of statistical thermodynamics, 20h Rep
- CHIM9287-1 - Theoretical and Quantum Chemistry, 15h Rep
- CHIM0725-1 - Modelling molecules and extended systems
- CHIM9308-1 - Theoretical Chemistry, 10h Rep

The First Assistant may also be required to participate in setting up, or modifying, and teaching advanced elective courses in physical chemistry in collaboration with an academic from the Department of Chemistry. As an example:

- CHIMAAAA - Chemistry in confined spaces, 25h Th
- CHIMBBBB - Modelling of the dynamics of proteins and biological molecules, 25h Th
- CHIMCCCC - Modeling of the photoinduced response of bio and nano systems, 25h Th
- CHIMDDDD - Physical chemistry and instrumentation, 25h Th

## Research

In line with the Department of Chemistry's strategic plan, the research activities of the First Assistant will be oriented towards physical chemistry. The specifications will be on the one hand to strengthen the research themes already in place in this field and on the other to contribute towards the development of new themes carried out in connection with current research in the Department of Chemistry, from theoretical physical chemistry to applied physical chemistry.

Candidates are expected to demonstrate 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.

## Service to the community

The successful candidate will be involved in community service activities such as promoting science, studies and the Institution, active participation in the life of the Department of Chemistry and the Faculty of Science.

### Qualifications required / profile:

- Must hold a doctorate;
- Demonstrate an aptitude for teaching general chemistry at the level of the Baccalaureate cycle as part of practical work, tutorials and repetitions;
- Demonstrate an aptitude for teaching physical chemistry at Master's level in the context of practical work, tutorials and repetitions;
- Show an aptitude for coordinating the group of temporary assistants in collaboration with the teaching logistician of the Department of Chemistry.
- Provide evidence of international research experience in the field of physical chemistry;
- Speak French in order to teach students.

A long-term stay abroad is a major asset.

### Selection procedure:

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

### Applications:

Applicants are requested to submit their applications electronically, to the following address: [Postesscientifiques@uliege.be](mailto:Postesscientifiques@uliege.be) and [doyen.sciences@uliege.be](mailto:doyen.sciences@uliege.be), with a copy to [francoise.motte@uliege.be](mailto:francoise.motte@uliege.be) no later than 17 March 2021.

### How to apply - 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 (5 pages maximum), including a list of the five most representative publications and a brief commentary on them, as well as a research plan

(5 pages maximum), including how it is envisaged that this will integrate within the University of Liège;

- ✓ A teaching report (5 pages maximum), including a report on any prior teaching activities and a teaching plan;
- ✓ 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.

#### Conditions for permanent appointment:

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.

If the successful candidate is well known to the Institution and has demonstrated their teaching qualities, the Committee may, if it so wishes and with the necessary explanation, judge the appropriateness of, from the outset, offering the successful applicant the confirmed post as First Assistant at Category A 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](mailto:francoise.motte@uliege.be)

#### Salary:

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](mailto:Ludivine.Depas@uliege.be)