

## **Full time academic position in the field of « Development of analytical chemistry methods applied to agriculture, food and/or environment ».**

**Job starting date** : July 1st, 2018

**Reference of the call** : Dvlpt\_methodes\_chimie\_analytique\_GxABT

### General context

#### **1.1. Gembloux Agro-Bio Tech**

Gembloux Agro-Bio Tech (GxABT) is the agricultural science faculty of ULiège ensuring teaching and research related to the use and the management of living resources leading to their production and valorization in food and non-food perspectives including well-being and human health approaches. GxABT is organized into two teaching departments (namely AgroBioChem and BIOSE) and three Research Units (two Faculty Units, AgroBiochem and BIOSE, and an Interfaculty Unit, TERRA).

GxABT organizes 4 masters in bio-engineering and co-organizes a master's degree in landscape architecture, a master's degree in agroecology and a master's degree in management of innovation and food design. The faculty is also involved at various levels in the organization of several other masters and university certificates.

Research within GxABT is organized around two major areas that aim to characterize the environment and develop bio-products related to sustainable production systems in order to meet societal expectations and generating innovation required by bio-economy strategies.

Recently, the Faculty invests in the development of three "Research and Teaching Support Units" (CARE) respectively called *FoodIsLife*, *EnvironmentIsLife* and *AgricultureIsLife*.

#### **1.2. The Research Unit « AgroBioChem»**

The AgroBioChem Research Unit is structured into 7 axis complemented by six technical platforms that bring together technical equipments and scientific skills with a multidisciplinary achievements. This academic position is related to the "Agro-bio systems chemistry" axis, which currently includes two full-time academics, two senior lecturers and two research-teaching assistant. The members of the axis contribute to the development of two shared technical platforms in terms of analytical equipment and biophysics. The candidate may also have access to the equipment of other shared technical platforms, and in particular the biochemistry platform, but may also find some other useful resources within the Institution (particularly the Chemistry department from the Faculty of Sciences).

At present, researches carried out within the axis "Agro-biosystems chemistry" focus on the following topics :

- extraction, purification and characterization of secondary metabolites in order to study the relationship between structure and function, and their bio-functionality in agri-food and agricultural valorization approaches ;

- development and validation of analytical methods in the field of chemical ecology and mineral analysis in food products ;

- risk analysis in the field of agronomy and study of the quality of food products.

The AgroBioChem department provides (1) basic chemistry courses (general chemistry, analytical chemistry, organic chemistry) in the bachelor's degree and (2) specialized courses related to the master in Chemistry and bio-industries.

## Description

Full time academic position, including teaching, research activities in the field of “Development of analytical chemistry methods applied to agriculture, food and/or environment”, and public services, attached to the Department Agriculture, Bio-engineering and Chemistry (AgroBioChem), Gembloux Agro-Bio Tech/University of Liege.

### **Pedagogical profile**

Teaching activities will deal with the field of basic chemistry, and qualitative, quantitative and instrumental analytical chemistry, either in the bachelor's or in the master's classes.

### **Research profile**

The research proposed project should be related to the development (included validation) of analytical chemistry methods for applications in the fields of agriculture, food and/or environment. Research activities should provide analytical support required for research work initiated by other teams but should include a personal topic to be developed by the candidate and linked to the theme of the call and the Research and Teaching Support Units (CARE).

## Eligibility criteria

The candidate must :

- ✓ hold a PhD and have significant experience in the field of the call ;
- ✓ have a recognized scientific experience with world-class publications in the field of the call ;
- ✓ be able to lead high-level scientific research and to lead a team of researchers and a laboratory;
- ✓ demonstrate teaching skills in bachelor's degree in large auditorium and work in collegially organized courses ;
- ✓ be creative and open to teaching innovation and interdisciplinarity ;
- ✓ be ready to work in a team and with shared human and material resources;
- ✓ be able to teach in French and in English, or commit to doing so within two years from the date of start ;
- ✓ be available for various community service functions ;
- ✓ adhere to the quality management and continuous improvement system put in place by the Institution ;
- ✓ have a long term (minimum 6 months) postdoctoral experience abroad or experience outside one's home institution.

## More information's

For further information's, you can contact Gembloux Agro-Bio Tech : **Mrs Fanny ENGLEBERT** – tel. : +32 81 62 21 05 – [Fanny.Englebert@uliege.be](mailto:Fanny.Englebert@uliege.be) or **Professor Marie-Laure FAUCONNIER**, Head of Department AgroBioChem – tel. +32 81 62 22 89 – [Marie-Laure.Fauconnier@uliege.be](mailto:Marie-Laure.Fauconnier@uliege.be)

## Salary

Salary scales and how they are applied are available from the University Human Resources Administration : **Mrs Ludivine DEPAS** - tel. : +32 4 366 52 04 - [Ludivine.Depas@ulg.ac.be](mailto:Ludivine.Depas@ulg.ac.be)

## Conditions

Academic positions are awarded for a first term of four years after which, an assessment will be performed before permanent position decision.

After three years, an evaluation of the field of the call and an assessment of the selected candidate are carried out at the same time by different commissions :

- a) If the evaluation of the field of the call is negative and regardless of the result of the assessment of the selected candidate, he/she completes its 4 year term and can not be extended.
- b) If the evaluations of the field of the call and the selected candidate are positive, he/she is permanently appointed.

## How to apply ?

Applicants are requested to submit their applications **by registered mail** to Prof. Albert Corhay, Rector, University of Liège, Place du 20 Août, 7 (Bât. A1), 4000 Liège, **before March 14th, 2018**.

The complete file will include :

- ✓ Application letter and complete curriculum vitae in duplicate ;
- ✓ A copy of their publications ;
- ✓ A summary of their teaching and research project related to the field of the call (maximum four pages).

A copy of the complete application file will also have to be sent to the Dean of the Faculty Gembloux Agro-Bio Tech, Prof. Frédéric Francis, at : [doyen.gembloux@uliege.be](mailto:doyen.gembloux@uliege.be)