

## FULL-TIME ACADEMIC POSITION IN CHEMISTRY

### FACULTY OF SCIENCES

Reference : 2018/A002

Application deadline January 25<sup>th</sup> 2018:

Start date: 01/10/2018

### Job description

The Chemistry Department of the Université libre de Bruxelles (ULB) seeks outstanding candidates in the field of **synthesis of surface materials for energy and/or environment**. The selected candidate shall demonstrate a record of preeminent experimental research and leadership in the field and is expected to develop independent first-class research activity.

The position involves teaching (lectures and practice), research and logistic activities.

The successful candidate will be invited to apply for a grant from the European Research Council (ERC) and for any source of outside funding (FNRS, European Commission, Regional funds, etc...) enabling him/her to develop his/her research. The ULB Research Department will assist with applications.

#### Area of research : a non-exhaustive list of areas includes:

Surface materials for batteries, for fuel cells, heat exchange, (photo)catalytic surfaces, surface materials for water and air depollution ; photo-reactive surfaces ; self-cleaning surfaces ; smart surfaces ; low friction and wear surfaces ; surfaces for decontamination ; IR-, UV-, Vis-active surfaces ; thermo and piezo electric surfaces ; conducting surfaces ; surfaces for photonics ; electronics ; semi-conducting surfaces, biomimetic surfaces.

Educational and scientific goals : The successful candidate will progressively take on teaching duties up to a load comparable to that of other members of the Department. This position implies full participation to courses, exercices and laboratory practice managed by the Department of Chemistry at the Bachelor, Master and postgraduate levels. Courses will be redistributed periodically among Department members.

### Qualifications required :

PhD degree in chemistry, chemical engineering, materials sciences or engineering

### Skills required

- Applicants should have at least 4 years of research experience at the time of their recruitment.
- Post-doctoral experience and an excellent scientific record are a plus.
- Exchange periods outside of the applicants' home institution (during or after their PhD) will be taken into consideration when evaluating applications.

- Applicants who do not speak French (level C1) may be granted a period of adaptation, but they must be able to teach in French at the end of the third year following their appointment.

## Interested ?

For more information, please contact Prof. Anne De Wit (telephone: +32 2 6505774 – E-mail: [adewit@ulb.ac.be](mailto:adewit@ulb.ac.be)), head of the Chemistry Department of ULB.

Applications must be sent by e-mail to the rectorate of the Université libre de Bruxelles ([recteur@ulb.ac.be](mailto:recteur@ulb.ac.be)) and to the faculty deanship ([annick.gerlache@ulb.ac.be](mailto:annick.gerlache@ulb.ac.be)).

They must include the following :

- an application letter
- a Curriculum vitae including a list of publications (a template can be downloaded at <http://www.ulb.ac.be/tools/CV-type.rtf>)
- Relevant documents showing 4 years of research experience
- a 7,000-character report (4 pages) presenting the applicant's research activities and a research project, including how these will integrate into ULB research teams
- a teaching dossier including a maximum 7,000-character report (4 pages) on the applicant's previous teaching activities and a teaching project for the first five years in this position; these must be relevant to the Faculty of Sciences and to the teaching profiles for the programmes to which the applicant is to contribute
- a note on the applicant's international achievements and projects (no more than 4 pages)
- the names and e-mail addresses of five reference persons (with equal gender representation) who may be contacted by those in charge of evaluating the applications. These references should not have conflicts of interest.

By sending in their application, applicants acknowledge they have read and understood the additional information and the regulations relevant to research staff, available at the following address <http://www.ulb.ac.be/emploi/academique.html>.

## FICHE ADMINISTRATIVE

qui doit impérativement accompagner la vacance

n° de vacance : 2018/A002

Domaine : Sciences

Discipline : Chimie

Poste(s) au cadre : 17-B-ORD-036 (1.00 ETP) – SAP 41313313

Références CoA : 23/10/2017 pt. III.03

Rattachement Enseignement : Service Enseignement Chimie – Présidence (FU010)

Rattachement Recherche : sera déterminé lors de l'engagement.

## EURAXESS SPECIFIC INFORMATION

Main Research Field : Chemistry

Required educational level: Phd Degree in chemistry, chemical engineering, materials sciences or engineering

Required Languages :

Français : basic

English : excellent

Type of contract : temporary

Hours per week : 38

Required Research Experiences : Chemistry (7) : 4 years of experience

Researcher profile : Experienced researcher - R3 (4 – 10 years) / More experienced researcher (>10 years)

Additional requirements :

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