



Marie Curie - Early Stage Researcher (PhD studentship) – BIOENERGY

Faculty of Chemistry, University of Warsaw is looking for a PhD Candidate to work on a project related to the development of biofuel cells including potentially implantable biodevices for medical applications. The project will be within the framework of **BIOENERGY** (Biofuel Cells: From Fundamentals to Applications in Bioelectrochemistry) Marie Curie Initial Training Network.

Description

The proposed ITN **BIOENERGY** deals with the understanding of experimental limits and fundamental principles for exploiting and developing electro-conducting nanoarchitectures to assemble highly efficient bioelectrocatalytic structures as a basis for efficient and stable biofuel cells. **BIOENERGY** is a collaboration between ten internationally-renowned research teams (in Germany, Sweden, Ireland, UK, France, Poland, Spain and Austria) and three industrial partners (in UK and Spain), each with complementary expertise in a wide range of bioelectrochemistry.

The candidate will work on a project focused on subject within **BIOENERGY** as defined for the fellow in the proposal. The topic of the PhD is related to the design of electrode surfaces and new matrices for holding enzymes in their active state and in electrical contact with the conducting support. The successful candidate will enroll in the PhD program at the University of Warsaw, where all requirements can be completed in English or Polish. He/she will participate in a number of workshops organized by the project partners as well as spend a few months on secondments at partner institutions.

This full-time post will be offered on a fixed-term contract for a period of 36 months. The monthly salary is 2980EURO (living and mobility allowance).

Requirements

- Degree and Master in Chemistry, Biology, Biochemistry, or Physics.
- High level of spoken and written English and good communication skills
- *Marie-Curie fellowship Mobility requirement.* Candidates can be of any nationality. At the time of recruitment by **BIOENERGY**, candidates must not have resided or carried out their main activity (work or studies) in Poland for more than 12 months in the 3 years immediately prior to their recruitment.
- The candidate must have less than 4 years of research experience.

Host Institution

University of Warsaw (UW), founded in 1816, is the best university and a leading research centre in Poland. The high level of scientific research, its connection with the education of students and the diversity and attractiveness of our teaching determines the position of the University in the country and worldwide. University of Warsaw is listed among top 4% of the World-Class Universities and recognized by prestigious international rankings such as the Academic Ranking of World Universities (AKA Shanghai Ranking), the QS Top Universities, the Times Higher Education World University Rankings and the CHE Excellence Group 2010 (subjects: chemistry, physics).

UW educates over 53,500 students. It employs over 6,300 people, including 3,250 academic teachers. Currently, there are 20 faculties and 30 other units, including the Centre of New Technologies, Centre for Preclinical Research and Technology and University Technology Transfer Centre. The University collaborates with ca 1,000 foreign institutions, including 420 partnerships within the boundaries of more than 1,100 Erasmus agreements and 240 partners from 52 countries within the boundaries of university agreements on direct collaboration.

UW offers undergraduate, graduate and post-diploma studies, organizes summer schools and vocational courses, initiates interdisciplinary programmes and introduces new teaching techniques. Our offer is adapted to the needs of the changing world and the challenges and complexity of the labor market. Our scholars regularly receive awards and win competitions for research grants. UW students are well-educated and very competitive, winning many contests and championships. Scientific and vocational development of our students is supported by appropriate offices, organizations, and cooperation with numerous institutions. National and international companies highly value our graduates, among which you can find many prominent persons, successful entrepreneurs and recognized scholars and writers, including Nobel Prize laureates.

Application

The applicant should submit his or her application by e-mail addressed to Dr. Sabine Seisel (sabine.seisel@rub.de) and prof. Renata Bilewicz (bilewicz@chem.uw.edu.pl). The post is available from February 1th, 2014 or shortly later.

Following documents should be attached: CV, statement about research interests, copy of MSc diploma or equivalent, full contact details.