

Open Position to contract a PhD holder (31 months)

Unravelling *Geobacter sulfurreducens* metabolism for bioelectricity production

Institution: ITQB NOVA, Instituto de Tecnologia Química e Biológica António Xavier, Oeiras, Portugal

Lab: Bacterial Energy Metabolism

<http://www.itqb.unl.pt/labs/bacterial-energy-metabolism>

Head of Lab: Inês Cardoso Pereira

We seek a highly motivated Post-Doc to study the energy metabolism of metal reducing bacteria as a basis to enhance its electricity production. We are looking for a PhD holder with experience in Biochemistry, Microbiology, Molecular Biology, Structural Biology, Biotechnology or related areas.

The contract (initially for 3 months), can be renewed up to 31 months and the monthly allowance is 2.128,34 euros. The call is open until 7th March 2019, (5 pm GMT).

For application, send an email to concursos@itqb.unl.pt with the following documents as a single PDF file by email indicating the reference **29118-08-2018-FCT** in the subject

- Detailed *Curriculum vitae*;
- Motivation Letter, describing your background and interest in the position;
- Name and contact of three potential references;
- Academic degree certificates: BSc, Master degree (if applicable) and PhD, as instructed on the websites:

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=110784>

<https://euraxess.ec.europa.eu/jobs/380105>

The tasks of the successful candidate will be to clone, overexpress and purify membrane proteins and perform their biochemical, spectroscopic, electrochemical and structural characterization. Physiological studies will include reconstitution in liposomes for electron transfer studies and protein-protein interaction studies, among others.

The work will be developed at ITQB-NOVA (www.itqb.unl.pt), a research institute of the Universidade NOVA de Lisboa, located in Oeiras, under the supervision of Inês A. C. Pereira and Américo Duarte. The position can be filled immediately.

ITQB NOVA is a Life Sciences multidisciplinary institute with excellent facilities and support services and an international collaborative community. The researcher will be integrated in an active and stimulating lab with researchers working on different topics, and providing ample opportunities for training and career development. The BEM Lab is interested in the study of anaerobic organisms and in how they, and their enzymes, can be explored for biotechnological applications. The group has a very strong expertise in working at the interface between biochemistry, microbiology and biotechnology, having extensive knowhow in microbial physiology, enzyme catalysis, protein structure and biocatalytic applications of proteins and microorganisms.

