Job: Research Fellowship (BI).

Project Reference: PTDC/SAU-BEB/103228/2008 funded by FCT, FEDER-POFC.

Main Research Field: Health Sciences- Biomaterials and Biomedical Engineering.

Specific Research Area: Sensors and Biosensors.

Job Summary:

We offer a position for a research fellowship (BI) in the Redox Biology in the Health and Disease Group at the Center for Neuroscience and Cell Biology to a highly motivated and qualified fellow. The candidate will be integrated in the project “Design of composite chemical sensors and biosensors for real-time and simultaneous monitoring of nitric oxide and oxygen in vivo in the brain” funded by FEDER - COMPETE, and by Fundação para Ciência e Tecnologia (FCT).

The candidate should have a University degree (Licenciatura) in the areas of Pharmaceutical Sciences, Biochemistry, Chemistry, Biomedical Engineering, Chemical Engineering or similar. Competences in English are also advisable. The position is for a period of one year, renewable depending on the performance. The selected candidate can start on July, 1st, 2010. The monthly salary will be 750 Euros. Applications should be sent by email to Dr. Rui M. Barbosa (rbarbosa@ff.uc.pt).

This project aims at developing new sensitive and selective composite carbon fiber and ceramic-based platinum multi-site microelectrodes for nitric oxide (NO) and O₂ measurement, the design of NO biosensor based on heme proteins as the biological recognition element and the real-time and simultaneous monitoring of NO and O₂ in vivo in the rat brain.

Place of employment: The employment will be at Center for Neurosciences and Cell Biology of Coimbra and Faculty of Pharmacy, University of Coimbra.

To apply: Interested candidates are invite to submit applications, including full CV, motivation cover letter, recommendation and other support information to Dr. Rui M. Barbosa by email (rbarbosa@ff.uc.pt) no later than June 23, 2010. For some selected candidates, attendance of a personal interview will be requested.