

Postdoc Position - Electrochemistry

Mendel University in Brno · Department of Chemistry and Biochemistry

Czech Republic, Brno

Job description:

Department of Chemistry and Biochemistry (DCB), Mendel University in Brno, is looking for a researcher / Postdoc. Candidates are invited to apply for a postdoctoral position in the group of Dr. Lukas Richtera, at DCB headed by Prof. Vojtech Adam. The full-time position (40 h/ week) position is offered for one year with a possible extension, which will be subjected to research results. Postdoctoral position will be focused on electrochemical biosensors development mainly. The candidate must have good experience and expertise in electrochemical detection methods and strong background in research methods. Excellent knowledge of English is required.

Requirements:

Applicant must have:

- PhD in chemistry (preferably Biochemistry, Analytical chemistry, Physical chemistry)
- reliability, responsibility, work commitment and interest in scientific work
- at least two publications focused on electrochemistry as lead author in international journals (Q1, Q2)
- general knowledge in the field of chemistry and biochemistry

Applicant must be able to:

- evaluate and report experimental findings and interpret results, including statistical data processing
- work independently and operate PC (working with MS Office is essential) and handle scientific devices independently
- lead small team (supervise one to three undergraduate students)

Experiences with QCM and/or SECM are appreciated.

We offer:

- an interdisciplinary and creative international team with friendly atmosphere
- working with modern scientific devices and high-quality backgrounds
- excellent opportunities for professional growth as we publish more than 20 papers in Q1 journals including Biosensors and Bioelectronics per year
- helping to get accommodation and to overcome possible administrative issues
- special financial benefits for skilled and publishing scientists

We cannot reimburse any travelling and accommodation costs.

About DCB:

Department of Chemistry and Biochemistry is focused on several areas of research covering modern electrochemical methods, synthesis of nanomaterials such as quantum dots and magnetic nanoparticles, nanomedicine and targeted therapy as well as miniaturized devices including nanoelectrodes and nanopotentiostats.

MENDELU is equipped to perform scanning electron microscopy, dynamic light scattering, X-ray fluorescence, electrochemistry, including electrochemical microscopy, optical methods, HPLC, FPLC, IEC, CE; furthermore, it has a facility for molecular cloning in prokaryotic/eukaryotic cells for production of target structures important for isolation; and it can perform various molecular biology techniques, including gel electrophoresis, blot techniques and MALDI-TOF/TOF mass spectrometry for evaluation of particles binding capacity.

Please send applications (cover letter, full CV, publication list, and letters of recommendation) *via* email richtera@mendelu.cz or via [application form](#) until 19 July 2017. Please include the title "Postdoc Position - Electrochemistry" in the subject line.