



Job vacancy

Research Assistant - Institute of Biochemistry 23/Sa08

University of Greifswald, 21 March 2023 | deadline: 11 April 2023

At the University of Greifswald's **Institute of Biochemistry, Chair of Electrobiochemistry**, in the Faculty of Mathematics and Natural Sciences, there is a job vacancy expected to be available **for earliest possible appointment**, subject to budgetary regulations, for a part-time (66,67 %)

Research Assistant

The contract is limited for **three years**. Payment will be made according to pay group 13 *TV-L Wissenschaft*.

Electrochemically active biofilms form the heart of bioelectrochemical systems such as microbial fuel cells and determine their performance significantly. A deeper understanding of the function and limitations of these biofilms and the development of high-performance biofilm electrodes based on this understanding are core aspects of the research of our group. The aim of the PhD project "Biofilm Monitoring" is to gain a deeper insight into the growth and properties of electrochemically active biofilms. The focus is on biofilm investigation and characterization using electrochemical quartz crystal microbalances in combination with electrochemical methods such as impedance spectroscopy.

Job Description:

- systematic experimental elucidation of the growth and properties of electrochemically active biofilms
- oscillating quartz methods such as the electrochemical quartz microbalance will be used to investigate biofilm growth (mass) and biofilm properties (visco-elastic properties) and correlate them with electrochemical measurements.

The position on offer is aimed at academics wishing to complete a doctorate. Tasks will therefore be transferred that are conducive to the preparation of a doctorate.

Job Specification:

- Advanced university degree in chemistry, biochemistry or related fields of study
- Theoretical and practical experience in electrochemistry and/or biochemistry or microbiology with good experimental skills
- Interest and enjoyment in interdisciplinary work and method development
- Excellent English language skills, both written and spoken
- Initiative, ability to work in a team

This vacancy is open to all persons, irrespective of gender.

The University would like to increase the proportion of women in areas in which they are underrepresented and thus applications from women are particularly welcome and will be treated with priority if they have the same qualifications and as long as there are no clear reasons which make a fellow applicant more suitable.

Severely disabled applicants with the same qualifications will be considered with preference.

In accordance with § 68(3) PersVG M-V, the Staff Council will only be involved in staff matters of the academic or artistic staff on request.

Unfortunately, application costs (e.g. travel expenses for interviews) will not be reimbursed by the state of Mecklenburg-Vorpommern.

Please note that by submitting your application, you provide your consent pursuant to data protection law for our processing of your application data. Further information about the legal bases and the use of your data can be found [here](#).

Applications comprising all usual documents (curriculum vitae, copies of academic certificates) must be sent, preferably via email (one file in PDF-format), with reference to the job advertisement number **23/Sa08** by **11.04.2023** to:

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<https://biochemie.uni-greifswald.de/en/forschung/forschung-in-den-arbeitskreisen/electrochemistry/>

