



The department of nanobiotechnology, institute of biologically inspired materials is currently seeking a

Postdoctoral Research Assistant

(Reference code: 108)

Extent of employment: 40 Hours per Week
Duration of employment: 01st of January 2015 to 31st of December 2017

Gross monthly salary and pay grade in terms of collective agreement
for university staff: B1 lit. b, €3.483,30

Responsibilities

The applicant will work in a postdoctoral position (university assistant) on exciting topics combining colloidal science with microbiology. The immediate project concerns the study of the colloidal forces that drive bacterial aggregation and early stage biofilm formation, and will make use of existing microbiology and colloidal techniques. A main part of the work is to develop new techniques to study the colloidal interactions of microbes with interfaces, in particular liquid interfaces, which relate to the wettability of single cells, and nanoparticle and polymer interactions with biofilms. The applicant will also write proposals to further expand this area within the institute. The applicant is expected to take an important part in co-supervision of master and PhD students. The applicant is also required to manage part of the institute and department infrastructure in the areas of his/her expertise. Assisting in teaching is part of the contract. The working language is English.

Required skills and qualifications

Degree in Microbiology / Food science (biotechnology) / Colloidal science (Physics). The applicant must have a completed PhD within the area of proposed work and a broad familiarity with the techniques he/she is expected to use. The applicant is therefore required to have a strong background both in (micro)biology/biotechnology and colloidal science/physics. Candidates that can document this combination will be strongly preferred. The position requires a very high level of accomplishment in writing and communication in English. Documented experience of high level scientific writing provides a strong bonus.

Desirable skills and qualifications

Applicants who have already worked on colloidal interactions of biological systems are of special interest. Experience with optical and electron microscopy, cryo-preparation techniques, biofilm characterization pendant drop, contact angle and/or microfluidics is desired. Experience of working in a multi-disciplinary laboratory and in multi-disciplinary research projects is of interest, since the position requires interaction with diverse disciplines within and outside the institute. Experience in supervision or a suitable personality for supervision of master and PhD students is important. Good presentation skills are expected. The ability to co-manage projects is important.

A high level of German and cultural adaptability are advantages. On the personal level social competence, an open and inclusive personality, and independent thinking and attitude are all useful qualities.

Applications can be submitted until: 11th of December 2014

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference.

Please send your job application to Personnel department, University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70; E-Mail: kerstin.buchmueller@boku.ac.at. (**Reference code: 108**)

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

www.boku.ac.at

Vice Rector for Human Resource Management and Organisational Development:
Univ.Doz. DI Dr. Georg Haberhauer, MBA