

We are currently seeking for a

Scientist (postdoc) for the Department of Nanobiotechnology.

Full time

Duration of employment: 01.10.2010 – 30.09.2013

Duties and Responsibilities

The applicant will work in a postdoctoral position on nanoparticle and amphiphilic (mainly lipid) Initial tasks will include studying structure, function and physical properties of such assemblies, mainly geared at smart materials and drug delivery applications. This includes taking responsibility for helping to build up competence within the group in characterization of hybrid nanoparticle membranous materials. The project includes both experimental and theoretical characterization, where scattering, microscopy and force spectroscopy techniques are expected to be used. A successful person in this position will in the extension take responsibility for partial supervision of PhD students working on hybrid nanoparticle membrane materials and supported lipid membranes, as well as assisting in developing and applying for new projects in this area. Assisting in teaching and lessons as required. The project and position is designed for a three-year commitment, but a shorter commitment as well as possibilities for prolongation can be discussed. A starting time in the fall or winter of 2010 is negotiable.

Minimum of Qualification

The applicant must have a completed PhD and should be accomplished in optical and/or electron microscopy and surface sensitive techniques for studying molecular self-assembly at solid interfaces. Familiarity with atomic force microscopy and spectroscopy on soft matter interfaces is required. Additional experience in characterization of colloidal systems by scattering techniques such as light, neutron and x-ray scattering is preferred. The applicant must be able to work and present scientific results orally and in written form in English at a high level.

Further Qualifications

Applicants who have already worked on either nanoparticle assembly or with supported lipid membranes have an advantage. Experience in molecular assembly of amphiphiles, preferably lipids or block co-polymers, is highly desired. Experience of working in a multi-disciplinary laboratory and in multi-disciplinary research projects is of interest, since interaction with collaborations from diverse fields of expertise is expected.

A high level of German and cultural adaptability are advantages. On the personal level social competence, an open and inclusive personality, independent thinking and attitude are all useful qualities. Since the position could lead to a senior postdoctoral position with responsibility for supervision and project management, the ability to inspire others and to manage projects and other peoples work in a timely manner are also qualities that will be considered.

Date of publication: 20.08.2010

Closing date for applications: 10.09.2010

University of Natural Resources and Life Sciences Vienna intends to increase the proportion of its female personnel. Qualified women are therefore explicitly invited to submit applications. In the case of equal qualifications, women will be given preferential consideration for employment unless reasons specific to an individual male candidate tilt the balance in his favour.

Please send your job application to the department of human resources at the University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70; E-Mail: kerstin.buchmueller@boku.ac.at. **(reference code: 72)**

We don't refund travel costs to the job candidates.

www.boku.ac.at

Vice rector of strategic development:
Univ.Doiz. DI Dr. Georg Haberhauer, MBA