

The department of Nanobiotechnology is currently seeking for a

Postdoctoral Research Associate

(Reference code: 46)

Extent of employment: 40 Hours per Week
Duration of employment: 01.07.2011 – 30.06.2014

Classification under the collective agreement of the university: B1 lit. b

Duties and Responsibilities

The applicant will work in an entry-level postdoctoral position on the physics of folding colloidal strings. Initial tasks will be to build capability for holographic, real-time imaging and independent dielectric manipulation of colloidal particles, as well as equipment and capabilities for the detailed study of particle interaction potentials in the laboratory for supramolecular materials led by Prof. Dr. Erik Reimhult in the Department of Nanobiotechnology.

The applicant will be expected to lead and experimentally carry out a project to develop novel colloidal string systems designed to adopt unique 3-D structures, as well as their characterization and real-time folding behaviour. The project includes close collaboration with the synthetic expertise of the laboratory on polymer modifications of colloidal particles. The project requires high levels of both experimental and theoretical expertise in the subject areas.

Assisting in lectures and laboratory teaching will be required in courses on colloid and interface science given by the laboratory. The project and position is designed for a three-year commitment, but a shorter commitment as well as possibilities for prolongation can be discussed. Commencing of the position at the latest in the summer of 2011 is required.

Minimum of Qualification

- Completed degree in physics
- The applicant must have a completed PhD in the area of advanced optical microscopy on colloidal systems
- Experience with programming of automated image analysis and a solid training in soft matter physics are required
- 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 holographic imaging and/or dielectric, optical or other colloidal trapping techniques have an advantage
- Experience in either the assembly or physical interactions of colloidal strings is desired
- On the personal level social competence, an open and inclusive personality, independent, critical thinking and attitude are desired qualities
- Familiarity with the German language is an advantage

Date of publication: 14.04.2011
Closing date for applications: 05.05.2011

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: 46)

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

www.boku.ac.at

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