



The Department of Material Sciences and Process Engineering, Institute of Physics and Materials  
Science is currently seeking a

## Postdoctoral Research Associate (Project employment)

Reference code: 82

Extent of employment: 40 Hours per Week  
Duration of employment: 01<sup>st</sup> of September 2018, limited to 28<sup>th</sup> of February 2020  
(a first contract will be issued for 6 months and, provided the performance is  
satisfactory, will be extended for another year)

Gross monthly salary and pay grade in terms of collective agreement  
for university staff (payable 14 times per year): B1 lit. b, € 3.711,10

### Responsibilities

- Scientist (Post Doc) performing research in the field of (bio-)materials science with focus on the development of x-ray scattering methods and instrumentation
- Develop, supervise and carry out the design, construction and commissioning of a novel and unique cutting edge x-ray instrument ("X-ray color microscope") in the framework of a project funded by FFG (Austrian Science Funds)
- Set up instrument control and user interface to obtain a fully functional scientific instrument
- Establish x-ray diffraction and x-ray fluorescence imaging experiments with the new instrument and use it for scientific experiments on a variety of materials
- Close co-operation with our research partners in the project and outside
- Publication in scientific journals and presentations at conferences

### Required skills and qualifications

- Doctorate degree
- Degree in physics, chemistry, materials science, engineering or related subjects with successfully conducted PhD
- Specialization in the area of x-ray or neutron analysis of matter (scattering, diffraction, fluorescence, etc.)
- Experience with instrumentation, ideally obtained at a large-scale facility (synchrotron, neutron source, etc.)
- Excellent technical skills and creativity for problem solving
- Independent way of working, high motivation, willingness to co-operate with the team and support instrument users
- Proficiency in English

### Desirable skills and qualifications

- Computer programming experience would be desirable (e.g. C++, Python,...)
- Interest in biomaterials science
- Knowledge of German would be helpful but is not a must

Applications can be submitted until: 14<sup>th</sup> of June 2018

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 unless reasons specific to an individual male candidate tilt the balance in his favour.

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](mailto:kerstin.buchmueller@boku.ac.at). (**Reference code: 82**)

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

**[www.boku.ac.at](http://www.boku.ac.at)**