



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

Postgraduate Research Associate Doctoral student / project employment (Reference code: 41)

Extent of employment: 30 Hours per Week
Duration of employment: 1st of June 2020, limited for 3 years
(a first contract will be issued for 1 year and renewed yearly upon satisfactory
performance)

Workplace: 1190 Vienna

Gross monthly salary and pay grade in terms of collective agreement
for university staff (payable 14 times per year): B1, € 2.196,80

We are looking for a doctoral student to perform his or her thesis research in the framework of the BOKU
Doctoral School “Biomaterials and Biointerfaces”. The position is funded by the FWF/SNF project
“Multiscale changes in bone due to bio-resorbable implants”. The work is performed in collaboration with
the Medical University of Graz, TU Wien and Paul Scherrer Institute (Switzerland).

Responsibilities

- Research in the framework of the FWF Project “Multiscale changes in bone due to bio-resorbable implants”
- Structural investigations and mechanical testing, with focus on x-ray scattering in the lab at BOKU and at European large scale synchrotron facilities
- Sample preparation, scientific experiments, data evaluation (including some computer programming)
- Co-operation with our research partners in the project and outside
- Publication in scientific journals and presentations at conferences

Required skills and qualifications

- Master’s degree or equivalent in physics, materials science, engineering, chemistry or a related field
- Laboratory skills
- Mathematical and programming skills
- Excellent skills in spoken and written English
- Highly dedicated to scientific work
- Team player
- Ability to work independently
- Willingness to travel abroad for research purposes is required

Desirable skills and qualifications

- Experience with materials characterization and/or x-ray scattering will be of advantage
- German language skills are not required, willingness to learn German would be of advantage

We offer

- Interdisciplinary project with funding for a three-year doctoral thesis
- Participation in BOKU Doctoral School “Biomaterials and Biointerfaces”
Link: <https://boku.ac.at/docservice/doktoratsstudien/doktoratsschulen/biomaterials-and-biointerfaces>
- Supervision of the doctoral-thesis by team of 2 Faculty members + 1 external expert
- Excellent interaction with other doctoral researchers and external collaborators
- Possibility to visit (inter-)national research conferences
- Modern and high-end working equipment

For more details, please look at <https://boku.ac.at/en/map/physik/offene-stellen>

Applications can be submitted until: 31st of March 2020

Successful applicants will be invited for a hearing consisting of a public presentation of their master project and an interview with Faculty members of the BOKU Doctoral School “Biomaterials and Biointerfaces”.

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:

Institute of Physics and Material Science, University of Natural Resources and Life Sciences Vienna, 1190 Vienna, Peter-Jordan-Straße 82; E-Mail: franz.muskovich@boku.ac.at. **(Reference code: 41)**

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

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