

At the Department of Material Sciences and Process Engineering, Institute of Molecular Modeling and Simulation a position for people with a degree of disability of at least 50 % is being filled as:

## Postgraduate Research Associate (Senior Scientist)

(Reference code: 26)

Extent of employment: 20 hours per week  
Duration of employment: 1<sup>st</sup> of May 2023 – permanent

Workplace: 1190 Vienna, Muthgasse 18

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1 lit. b, € 1.638,70

### Responsibilities

- Perform research for neural-network based approaches for biomolecular simulations of metalloproteins
- Use machine learning in the context of mixed quantum mechanical / molecular mechanical simulations for metalloenzymes
- Perform molecular dynamics simulations using the Buffer Region Neural Network approach
- Collaborate in an international team of interdisciplinary researchers

### Required skills and qualifications

- Diploma degree in Biotechnology, Chemistry or other equivalent university degree
- Language skills: English
- Strong background in computational and/or theoretical chemistry
- Interest in the development of machine-learned potentials
- Austrian confirmation to be a person with a disability of at least 50 % (“Bescheid über die Zugehörigkeit zum Kreis der begünstigten Behinderten”)

### Desirable skills and qualifications

- Experience in molecular simulations of biomolecules
- Good programming skills in C++ and/or python

Applications can be submitted until: 9<sup>th</sup> of March 2023

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.

This job advertisement is aimed at applicants with disabilities (at least 50 %). People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl.

- motivation letter
- CV

to Personnel department, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: [kerstin.buchmueller@boku.ac.at](mailto:kerstin.buchmueller@boku.ac.at). (Reference code: 26)

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)

