

The Department of Biotechnology and Food Science, Institute of Bioprocess Science and Engineering wishes to fill a

**career position in compliance with § 99 (5) UG (tenure-track)  
in the field of Bioprocess Science and Engineering with a  
focus on Bionanoparticle processing**

(Reference code 170)

**Working time:** 40 hours per week

**Term of the employment relationship:** 1<sup>st</sup> of January 2026, limited to a period of 6 years

**Workplace:** Vienna

**Allocation in compliance with the Collective Agreement for University Staff to job group:**  
B1 lit. b

**Gross monthly salary:** (depending on previous eligible experience) at least: € 4,932.90  
(14 × a year, in addition we also offer an attractive career development program and an extensive range of social benefits)

## Target group

§99 (5) positions offer academics with high potential and the relevant achievements the opportunity of an academic carrier ranging from a postdoc position to that of assistant professor and on to associated professor. The position of associated professor can be achieved at the latest six years after the appointment. §99 (5) positions are aimed at academics with a doctorate/PhD degree, with high potential, who are close to or have already successfully completed a habilitation. Experience at other universities or research institutes abroad is expressly welcome.

## Tasks and focus areas

- Research in the field of bioprocess science and engineering with a focus on bionanoparticle processing
- Processing of research questions in the BOKU competence field Biotechnology
- Publication in high-quality journals in the field of bioprocess sciences
- Application and further development of synthetic biology methods at the interface of metabolic modeling and engineering as well as bioprocess engineering
- Teaching in the fields of bioprocess sciences and engineering
- Supervision or co-supervision of final theses within the scope of legal possibilities

- Transfer of knowledge and promotion of young scientists in line with the social responsibility of BOKU University
- Taking over administrative activities within the framework of university self
- Assumption of administrative tasks within the framework of university self-administration
- Acquisition and management of national and international research projects
- Participation in cross-departmental focus areas

## Requirement profile

- Completed doctorate in a relevant field, e.g. Bioprocess Engineering, Biotechnology, Biochemistry or similar
- Professional expertise in at least two of the following four subject areas:
  - Upstream processing of bionanoparticles (BNPs): Cell culture, fermentation (bacteria, yeast, insect, mammalian or plant cells) or similar (e.g. production in intact organisms)
  - Downstream processing of BNPs: Chromatography, membrane filtration, precipitation, ultracentrifugation or similar
  - Biophysical & biochemical characterization of BNPs such as: light scattering techniques e.g. DLS, NTA, MALS, Mass photometry; SAXS, SPR, electron and light microscopy or similar
  - Process and product modelling for development, characterization and control of BNP production
- Sound professional experience in the scientific field as a postdoc
- Excellent publication achievements as well as international orientation and recognition
- Willingness and ability to lead your own research team incl. the necessary funding this requires (third-party funding)
- Enthusiasm for excellent teaching
- Excellent written and spoken German and English or willingness to learn German in the first two years
- Experience in teaching (lectures and lab tutorials) in the field of bioprocess sciences
- Experience in submitting and participating in intra- and inter-university research projects

## Other desired qualifications

- Experience abroad as well as in teaching and leadership experience at universities and research institutions
- High willingness for scientific cooperation within and outside the university
- Experience in acquiring, managing and executing research projects
- Management and personnel management skills including skills in the areas of gender and diversity management, as well as inclusion and accessibility in communication
- Additional skills and competencies in regulatory knowledge such as GMP, FDA/EMA guidelines for biologics & nanomedicines are appreciated

Publication date: 14<sup>th</sup> of August 2025

**Closing date for applications:** 18<sup>th</sup> of September 2025

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.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please submit your application in English incl.

- Curriculum vitae with detailed presentation of professional, teaching and research activities incl. mandatory indication of the ORCID
- List of all publications (refereed & non-refereed), lectures and projects
- Electronic transmission of the PDF files of five own publications which you consider to be particularly important
- Rough concept for future plans in research and teaching including your contribution to the scientific profile of the Department
- Teaching portfolio including evaluation results
- Brief explanation why you think you should be particularly suitable for this position (max. 1 page)

and indicating the reference code 170 to [recruiting@boku.ac.at](mailto:recruiting@boku.ac.at) until 18<sup>th</sup> of September 2025.

If you are invited to a personal interview, travel expenses can be reimbursed on presentation of invoices and proof of payment (in Europe up to max. 300 euros, outside Europe up to max. 1200 euros).

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