The Faculty of Materials Science and Technology, Institute of Nanoscale and Biobased Materials, is seeking to fill the position of a

Research fellow (Postdoc) position (m/f/d) – reference number 83-E/2025

as of 1 November 2025.

Pay grade: according to German pay grade E13 TV-L
Hours: 1,0 FTE
Contract type: temporary for 2 years

The Green Functional Materials group is searching for a highly motivated materials scientist or technologist for a research fellow (postdoc) position within the "Filtrolution" project (BMBF "NanoMatFutur" group, ref: 03XP0517). The aim of the project is to fabricate reactive membranes based on biobased polymers and nanomaterials, like nanocellulose or lignin nanoparticles, for applications in water remediation, biomedicine and catalysis. One key technique is the fabrication of nanofibers by electrospinning. Therefore, we are specifically searching for a researcher with a strong background in electrospinning and fiber characterization by physico-chemical and mechanical means.
The Green Functional Materials group is a dynamic (established in 2023) and independent team affiliated to the Institute of Nanoscale and Biobased Materials. We are working at the interface between biobased polymers, their chemistry and materials properties and fabrication. More info on our website: https://tu-freiberg.de/en/esm/green-functional-materials-group.

Job description:
- Implementation and conduction of the project research
- Dissemination and publication of the project results
- Transfer and network activities
- Adviser of undergraduate thesis and limited teaching tasks

What you can expect from us:
- A position at a family-friendly university with flexible working hours
- Salary in accordance with the collective labor agreement for civil servants of the German states
- Attractive fringe benefits, e.g., asset-based benefits (VL), company pension schemes
- Induction through experienced colleagues, career development programs offered especially to Postdocs by the TUBAF Graduate and Research Academy (https://tu-freiberg.de/en/grafa)
- "Job-Ticket"

What we expect from you:
- A PhD in materials sciences and materials technology or related fields
- Scientific profile of the position: electrospinning; biopolymers or bionanomaterials; membrane fabrication and characterization; post modification of fibers and molecular analysis; structure-property relationships of the prepared membrane materials and their performance
- Good written and spoken English and to work in an international scientific team is expected
- Knowledge in German language is a plus

For further information please contact the group leader Dr. Katja Heise,
E-Mail: Katja.Heise@esm.tu-freiberg.de.

The applicant (m/f/d) must meet the hiring requirements for a fixed-term contract according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, providing they possess equal qualification. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie Freiberg is committed to increase the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.
Please send your application with a cover letter/motivation letter, CV, copies of all relevant certificates, quoting the **job advertisement reference number (83-E/2025) by 10.07.2025** to:

TU Bergakademie Freiberg, Dezernat für Personalangelegenheiten, 09596 Freiberg
or by e-mail to: bewerbungen@tu-freiberg.de

Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for staff from various disciplines. Further information can be found at: https://tu-freiberg.de/stellenangebote