Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research associate with permanent duties - 0.5 working time - salary grade E13 TV-L Berliner Hochschulen

Faculty III - Institute of Biotechnology / Applied Biochemistry
Reference number: III-96/25 (starting at the earliest possible / unlimited / closing date for applications 18/04/25)

Working field:

The Department of Applied Biochemistry is looking for a new member of staff to develop alternatives to animal testing and establish methods without animal components. These are to be used for infection research. The RNA technologies (RNA interference) established in the working group will be used. To increase the physiological relevance of the models, animal components are to be replaced in the cell culture (fetal calf serum, gelatine, collagen). For this purpose, corresponding proteins and growth factors are to be recombinantly expressed. 3D bioprinting technology will be used to create organ models. The employee will be responsible for the maintenance of the bioprinters and the training of new employees in the relevant technology.
In addition, the employee is expected to assist in teaching, in particular in supervision activities in practical and theoretical basic biochemistry courses as well as in advanced master's internships. Furthermore, support of general administrative and organizational tasks of the department is expected.

The specific tasks therefore include:

- Head of the research group ‘3D cell culture: maintenance of sensitive equipment and organisation of work on the research facilities’, head of laboratory meetings
- Physiological studies of organ models (cell viability assays, microscopy, immunohistochemistry, quantitative RT-PCR ...)
- Infection experiments
- Use of RNA technologies
- Replacement of animal components in 3D cell culture and 3D bioprinting
- Development and supervision of practical experiments
- Administrative and organizational tasks of the department
- Supervision of student employees and project-related student theses
- Implementation and further development of compulsory and elective courses in the B.sc. and M.sc. programmes

Further information on the department can be found at https://www.tu.berlin/angewbiochem/

Requirements:

- Successfully completed scientific university degree (Master's, Diploma or equivalent) and doctorate in biotechnology, biology or biochemistry
- After completing the university degree programme, at least three years of academic or professional-practical work in a full-time employment relationship
- Very good knowledge of the cultivation of eukaryotic cells, including knowledge of alternative methods to animal experiments
- Experience with RNA technologies
- Experience in biochemistry teaching
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills

Desired qualifications:

- Knowledge of recombinant protein expression
- Knowledge of infection biology
- Knowledge of 3D cell culture (e.g. bioprinting)
- The ability to manage personnel
- Independent, well-organized way of working

For inquiries about the job posting or our field in general, please contact our office at **info@angewbiochem.tu-berlin.de** .

Please send your application with the usual documents (curriculum vitae, overview of grades/transcripts and letter of application, summarized in a PDF document, max. 5 MB) by e-mail to Prof. Dr. Kurreck at **info@angewbiochem.tu-berlin.de, quoting the reference number**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department

homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät III, Institut für Biotechnologie, FG Angewandte Biochemie, Prof. Dr. Jens Kurreck, Sekr. TIB 4/3-2, Gustav-Meyer-Allee 25, 13355 Berlin

The vacancy is also available on the internet at
https://www.personalabteilung.tu-berlin.de/menue/jobs/