



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - 0.75 working time - salary grade E13 TV-L Berliner Hochschulen

to be filled from 01/09/21 or later

Faculty II - Institute of Theoretical Physics

Reference number: II-333/21 (for a period of 36 months / closing date for applications 16/07/21)

Working field: Research within a DFG funded project, in close collaboration with Prof. Adhyapak (IISER Tirupati). A comprehensive simulation analysis will explore how physical conditions can be used to control the trapping of E. coli bacteria near surfaces with different topography and under shear flow. This is essential for medical and biotechnological applications, such as preventing biofilms and biofouling, but also for using bacteria as drug carriers. PhD thesis preparation is possible.

Requirements: Successfully completed university degree (Master, Diplom or equivalent) in physics or a comparable subject, very good knowledge in theoretical physics and in numerical methods. Prior knowledge in statistical physics of soft matter and biological systems are desired. Independent work style and high level of commitment. Good command of German and/or English is required; willingness to learn either English or German.

More information about the position can be obtained from Prof. Dr. Stark (email: holger.stark@tu-berlin.de, phone: +49(0)30 314-29623, web: <http://www.itp.tu-berlin.de/stark>).

Please send your application with the **reference number** and the appropriate documents (a full CV, copies of certificates, and a list of publications, all combined in a single pdf file, max 5 MB) **by email to Prof. Dr. Holger Stark at: andrea.schulze@tu-berlin.de**. Please arrange for two letters of recommendation.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty 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/ or quick access 214041.

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.

Technische Universität Berlin - Der Präsident - Fakultät II, Institut für Theoretische Physik, SFB 910, Prof. Dr. Holger Stark, Sekr. EW 7-1, Hardenbergstr. 36, 10623 Berlin

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

