



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

### **13 positions in a Research Training Group (Graduiertenkolleg) - Research Assistant - salary grade E13 TV-L Berliner Hochschulen**

under the reserve that funds are granted - part-time employment may be possible

The positions are available for a period of three years, starting October 1, 2021. They will be part of the interdisciplinary Research Training Group (Graduiertenkolleg) on '**Differential Equation- and Data-driven Models in Life Sciences and Fluid Dynamics**' (DAEDALUS), a collaborative venture of the Technische Universität Berlin jointly with Freie Universität Berlin, Humboldt-Universität zu Berlin and Otto-von-Guericke-Universität Magdeburg.

#### **Faculty II - DAEDALUS Research Training Group**

**Reference number:** II-154/21 (starting at 01/10/21 / until 30/09/24 / closing date for applications 30/04/21)

**Working field:** The main goal of DAEDALUS is the analysis of the interplay between data and differential equation-based modelling, which is one of the key problems in model-based research of the 21st century. DAEDALUS focuses both on theoretical insights and on applications in life sciences (brain-computer interfaces and biochemistry) as well as in fluid dynamics. The projects cover a scientific range from machine learning, mathematical theory of model reduction and uncertainty quantification to respective applications in turbulence theory, simulation of complex nonlinear flows as well as of molecular dynamics in chemical and biological systems. Detailed project descriptions can be found under [www.daedalus.berlin](http://www.daedalus.berlin).

DAEDALUS also offers collaborative supervision from internationally leading scientists, embedded in one of the most dense and innovative academic regions in Europe.

PhD thesis preparation is possible.

**Requirements:** Successfully completed university degree (Master, Diploma or equivalent) in Computer Sciences, Engineering, Mathematics, Physics or other related disciplines; an excellent command of English and basic knowledge of German resp. willingness to learn German, together with good academic writing and presentation skills. We are looking for highly motivated, inquisitive, enthusiastic, and result-driven PhD candidates with an excellent academic record and strong interest in interdisciplinary scientific work.

Please send your application with the **reference number II-154/21** and the usual documents (in particular short motivation letter, complete and up-to-date curriculum vitae, names and contact details of at least 2 referees (the letters should be available to us by the deadline of this call), Bachelor's and Master's transcripts, certificates (with grades)) **preferably in English as a single electronic document (pdf file) to Prof. Dr. Wolf-Christian Müller at [office@daedalus.tu-berlin.de](mailto:office@daedalus.tu-berlin.de)**.

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/](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, Graduiertenkolleg DAEDALUS, Prof. Dr. Wolf-Christian Müller, Sekr. ER 3-2, Hardenbergstraße 36A, 10623 Berlin

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

