



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

## **Employee with completed scientific university education - salary grade E13 TV-L Berliner Hochschulen**

### **System and application programming for computational modeling tasks of biomolecular systems**

part-time employment may be possible; the position will be classified in the specified pay group if all personal and pay scale requirements are met

### **Faculty II - Institute of Chemistry / Department of Physical Chemistry - Modelling of Biomolecular Systems**

**Reference number:** II-649/24 (starting at 01/02/25 / unlimited / closing date for applications 20/12/24)

#### **Working field:**

The Biomolecular Systems Modelling Group (Institute of Chemistry, Faculty II) develops and applies a variety of computational methods to describe the electronic, structural and dynamical properties of complex biological systems. Such high-performance computations are performed on the group's GPU-based workstations as well as at the supercomputers of the TU Berlin and the National Supercomputing Alliance (NSA).

- Design, installation and system administration of linux-based server components
- Provide advice, guidance and support to scientific staff in the running of numerical simulations on mainframe computers
- Participate in bidding processes for major procurements
- Procurement of hardware and software
- Identify and coordinate scientific computing requirements for the Faculty Computing Service

#### **Requirements:**

- Successfully completed university degree (Master, Diploma or equivalent) in computer science or natural sciences and a sound knowledge of the other disciplines
- Sound knowledge of IT and theoretical chemistry/physics to perform quantum chemical calculations and computer simulations on high performance and supercomputers
- Sound theoretical and practical knowledge and experience of cluster management
- Willingness to undergo continuous further training in these areas is also essential
- Fluency in German and English or willingness to learn

#### **Desirable:**

- Doctoral thesis in quantum chemistry or modelling of complex molecular systems
- Teamwork and communication skills
- Interest in scientific issues

Please send your written application, **quoting the reference number**, with the usual documents (letter of application, CV and copies of certificates) **by e-mail to [andrea.mroginski@tu-berlin.de](mailto:andrea.mroginski@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/).

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 II, Institut für Chemie, FG Physikalische Chemie, Prof. Dr. Mroginski, Sekr. C7, Straße des 17. Juni 124, 10623 Berlin

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

