



# Universität Potsdam

## Job Announcement

Young, modern, research-oriented: Founded in 1991, the University of Potsdam has firmly established itself in the scientific landscape. At Brandenburg's largest university, nationally and internationally renowned scientists conduct research and teach. The University of Potsdam has a high level of third-party funding, impresses with its achievements in technology and knowledge transfer, and has a service-oriented administration. With around 22,000 students on three campuses - Am Neuen Palais, Griebnitzsee and Golm - the University of Potsdam is an outstanding economic factor and development engine for the region. It has more than 3,000 employees and is one of the most beautifully located academic institutions in Germany.

The **University of Potsdam, Institute of Biochemistry and Biology, Biochemistry - Wendler Research Group** invites applications from post-doctoral candidates for the following position:

### **Academic Staff Member (Post-doc position; F/M/D)**

The position is available from September 1, 2022. The salary is determined by the collective bargaining agreement for public employees in Germany (TV-L 13 Ost). The position is for 40 hours per week (100%). This is a temporary position limited initially to a term of 42 months in accordance with Section 2 subsection 1 of the Academic Fixed-Term Contract Law (WissZeitVG).

The position covers both, research and teaching obligations. Our research projects focus on the investigation of the structure and function of ATPase and redox protein complexes as well as other multi-protein complexes using state-of-the-art cryo-electron microscopy, biochemical and biophysical techniques. We have a Talos F200 equipped with a Falcon III detector, a Leica plunger and state-of-the-art GPU clusters. Our group is part of the Unisyscat (Unifying Systems in Catalysis; <https://www.unisyscat.de/>) cluster of excellence and has also access to a 300 kV Polara equipped with a K2 Summit camera.

#### **Responsibilities:**

The successful applicant is expected to purify multi protein complexes from yeast or bacteria, collect and analyze EM data, participate in the experimental design and method development, interact with internal and external collaborators, as well as participate in teaching of graduate and undergraduate students. Techniques involved will include

handling of multi protein complexes, high resolution imaging using cryo-EM, image processing, 3D reconstruction, and molecular modeling.

**Qualifications:**

We are looking for a motivated and creative individual with a strong interest in functional and structural characterization of large multi-subunit complexes. Applicants should hold a PhD in a relevant subject area, such as protein biochemistry or structural biology. Experience in cryo-EM data collection and EPU usage is favored. Experience in heterologous protein expression, purification of multi protein complexes, and either redox protein biology or ATPase biology is an advantage. Applicants should have excellent technical skills, good interpersonal skills and the enthusiasm to apply and develop new techniques. Competent interaction with students and staff in German and English language is expected.

We offer a varied and challenging position in a dynamic team and attractive working conditions. Find out more about the wide range of offers and benefits for our employees on the Internet at <https://www.uni-potsdam.de/de/arbeiten-an-der-up/>. For further insight into the University of Potsdam, please visit our homepage at <http://www.uni-potsdam.de>.

The University of Potsdam strives to maintain gender balance among its staff and strongly encourages qualified female applicants to apply. The University of Potsdam values the diversity of its members and pursues the goals of equal opportunity regardless of gender, nationality, ethnicity, social origin, religion/belief, disability, age, and sexual orientation and identity. In case of equal suitability, women in the sense of BbgHG § 7 paragraph 4 and severely disabled persons are given preferential consideration. Applications from abroad and from persons with a migration background are expressly welcome. The teaching load is based on the current requirements of the teaching obligation regulation (LehrVV) of the state of Brandenburg as well as the regulation decided by the Senate of the University of Potsdam. [http://www.uni-potsdam.de/fileadmin01/projects/verwaltung/docs/Dezernat3/Merkblatt\\_LehrVV.pdf](http://www.uni-potsdam.de/fileadmin01/projects/verwaltung/docs/Dezernat3/Merkblatt_LehrVV.pdf) This position is assigned to the group of academic employees with the possibility of qualification (doctorate, habilitation).

**Contact:**

Further information can be obtained from Prof. Dr. Petra Wendler. Please send your application in English or German by email to [petra.wendler@uni-potsdam.de](mailto:petra.wendler@uni-potsdam.de). Applications should include a cover letter with a brief statement of research experience and interests, a CV, as well as copies of undergraduate and graduate certificates.

In order to return your application documents, we request that you include a self-addressed stamped envelope.

Webpage: <https://www.uni-potsdam.de/en/ibb-biochemie/index>