

Hier
entsteht
Zukunft!



Foto: Oliver Dietze



Saarland University is a campus university with an international reputation for research excellence, particularly in computer science and in the life sciences and nanosciences. The university is also distinguished by its close ties to France and its strong European focus. Around 17,000 students, studying over one hundred different academic disciplines, are currently enrolled at Saarland University. Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4000 it is one of the largest employers in the region.

The Computational Biophysics Group headed by Prof. Jochen Hub is inviting applications for the following position commencing **at the earliest opportunity**.

Academic research assistant (m/f/x)

Reference number W2790, volume of employment: 65 % of standard working time, payment will be according to EU regulations and will include a mobility allowance and, of applicable, a family allowance. The employment will initially be limited to three years.

Workplace/Department:

Department of Physics, Computational Biophysics Group

Job requirements and responsibilities:

- Biological membranes are highly dynamic and undergo continuous large-scale remodeling. Specifically, two membranes fuse during processes such as viral infection, synaptic signaling, or drug delivery by lipid nanoparticles. In this computational PhD project, funded by the EU-wide Innovative Training Network (WATER), you will develop methods to understand how membrane proteins and complex lipid compositions shape the free energy landscape of membrane fusion, with applications to viral infection. You will work in close collaboration with our experimental partners in Switzerland, Austria, Germany, and other locations.
- You will carry out molecular dynamics simulations and free energy calculations of membrane fusion. Simulations will be performed on the group's GPU cluster, which currently comprises approximately 200 GPUs, as well as on national computing centers.
- You will be part of an EU-wide consortium of PhD students within the EU-funded Innovative Training Network "WATER."
- You will present your research at international conferences.

Your academic qualifications:

- Completed university studies in physics, chemistry, biophysics, or a related subject.



The successful candidate will also be expected to:

- Show high interest in molecular biophysics and/or machine learning.
- Have previous experience with computational scientific work.
- Enjoy working in a team of researchers and enjoy co-supervising Bachelor and Masters students.
- Enjoy collaborating with our external partners in Germany and worldwide.
- Enjoy communicating his/her research at international conferences.

What we can offer you:

- A flexible work schedule allowing you to balance work and family, among other things the possibility of teleworking
- Secure and future-oriented employment with attractive conditions
- A broad range of further education and professional development programmes (for example language courses)
- An occupational health management model with numerous attractive options, such as our university sports programme
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Job-Ticket' of the saarVV)

We look forward to receiving your **meaningful online application** (in a PDF file) by **08.02.2026** to **officehub@uni-saarland.de**. Please include the reference number W2790 in the subject line of the e-mail.

If you have any **questions**, please contact us for assistance. Your contact:

Herr Prof. Jochen Hub
Department of Physics
Tel.: +49 681 302-2740

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale. Part-time employment is generally possible.

If you have obtained a foreign university degree, a proof of the equivalence of this degree with a German degree by the Zentralstelle für ausländisches Bildungswesen (ZAB) is needed before hiring. If necessary, please apply for this in time. You can find more information at <https://www.kmk.org/zeugnisbewertung>.

Unfortunately, neither costs for attending an interview at Saarland University nor costs for any certificate evaluation by the ZAB can be reimbursed in principle.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity. In accordance with its policy of increasing the proportion of women, the University actively encourages applications from women. Applications from severely disabled persons will be given preferential consideration in the event of equal suitability.

When you submit a job application to Saarland University you will be transmitting personal data. [Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung](#). By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.