

Hier  
entsteht  
Zukunft!



UNIVERSITÄT  
DES  
SAARLANDES

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**.

## Doctoral Research Position (m/f/x)

**Reference number W2535**, salary in accordance with the German TV-L salary scale<sup>1</sup>, pay grade: E13 TV- L, duration of employment: 3 years, volume of employment: 65 % of standard working time.

### Workplace/Department:

Department of Physics, Computational Biophysics Group

### Job requirements and responsibilities:

- Proteins are the fascinating nanomachines of life, involved in nearly any biological function, health, or disease. To understand how proteins accomplish their function and how protein malfunction leads to disease, it is mandatory to reveal their structures, motions, and interactions. In this computational PhD project, you will develop methods to combine molecular dynamics simulations (MD), machine learning (ML) techniques, and experimental data (such as X-ray scattering data) with the aim to study dynamics of proteins involved in disease.
- You will carry out computer simulations on the group's GPU cluster with currently approximately 200 GPUs and on national computing centers.
- 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 Bachelors and Masters students.
- Enjoy collaborating with our external partners in Germany and worldwide.
- Enjoy communicating research results and topics at international conferences.

<sup>1</sup> TV-L = collective agreement on remuneration of public sector employees in the German *Länder*

**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 **13 October 2024** to **officehub@uni-saarland.de**. Please include the reference number W2535 in the subject line of the e-mail.

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

Herr Prof. Dr. Jochen Hub  
jochen.hub@uni-saarland.de  
Tel.: [Click here to enter text.](#)

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.