

**Hier  
entsteht  
Zukunft!**

Foto: Oliver Dietze



Saarland University is a campus university that is internationally recognized for its strong research programmes. Fostering young academic talent and creating ideal conditions for teaching and research are a core part of the university's mission. As part of the University of the Greater Region, Saarland University enables students and staff to share and exchange knowledge and ideas between disciplines, between universities and across borders. With over 17,000 national and international students, studying more than a hundred different academic disciplines, Saarland University is a diverse and dynamic learning environment. [Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4,000 it is one of the largest employers in the region.]

The Molecular Biophysics is inviting applications for the following position commencing as soon as possible

## **Academic research assistant (m/f/x)**

**Reference number W2765**, salary in accordance with the German TV-L salary scale<sup>1</sup>, pay grade: E13 TV-L, volume of employment: 60 % of standard working time, duration of employment: 3 years

### **Workplace/Department:**

The group of PD Dr. Dalia Alansary in the Niemeyer lab (Molecular Biophysics in Homburg) is announcing a vacant position for doctoral student. Our group is seeking motivated, team-oriented candidates for an interdisciplinary translational project. This project is part of a joint consortium with the RWTH Aachen investigating "Mechanisms of Cardiovascular Complications in Chronic Kidney Disease" (<https://www.sfb-trr219.de/>). We are interested in understanding the molecular mechanisms underlying inflammatory processes in innate and adaptive immune cells in chronic renal and cardiovascular diseases. Particularly, we are to address how the interplay between calcium ions and reactive oxygen species regulate inflammation in chronic kidney disease and how this can lead to development of cardiovascular diseases. The PhD student will be able to modify candidate genes and investigate their influence on immune functions critical for disease development using a broad spectrum of established functional readouts. Briefly, the currently running projects include studies on human and murine monocytes/macrophages as well as CD4 T cells. In addition to reactive oxygen species, immune function regulation by purinergic and store operated calcium entry represent central research interests of our group. The immunological readouts include, subtype differentiation, cytokine profiling, migratory and pro-fibrotic potentials, pro- and anti-inflammatory capacity, programmed cell death (ferroptosis) and

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

The pay grade assigned to an employee depends on their professional qualifications and the number of years of service. Each pay grade is further subdivided into levels. Entry-level employees with no previous experience will initially be assigned a level 1 rating. After one year at level 1 of the E10 pay grade, an employee will move up to level 2. After a further two years, the employee will move to level 3, etc.

cellular communication. Next to cutting edge microscopy technologies, the student will be able to apply molecular, genetic, biochemical, flowcytometry, pharmacological and bio-informatic approaches to tackle the biologically-relevant research questions. Intensive interactions with collaborating groups and with peer-students within graduate school programmes of TRR219 offer an attractive opportunity for personal and scientific development.

#### **Job requirements and responsibilities:**

- Conducting experiments planned for the third funding period of projects within the TRR219 consortium.
- Data analysis and presentation in regular internal group meetings as well as in regular meetings of the consortium.
- Actively participate in design of experiments, optimizing protocols and adapting project plans according to obtained results.
- Confirming to standard good practice in the lab and maintenance of lab equipment.
- Data management, thorough documentation of protocols and results are indispensable.
- Support the practical courses in the lab by offering technical support to students.
- Participate in publication of data and manuscript preparation.

#### **Your academic qualifications:**

- Completed scientific university studies in biology, immunology, pharmacy or closely related disciplines. (MSc)
- Language skills (according to GER): English

#### **The successful candidate will also be expected to:**

- have excellent spoken and written English skills. Experience in scientific writing as well as German skills are preferable.
- have sufficient experience in standard molecular biology techniques and cell culture. Experience in flow cytometry and microscopy is of an advantage.
- have troubleshooting abilities, problem-solving orientation, critical thinking, team-working and communication skills.
- have basic knowledge about the physiology of kidney, heart and immune system. Applicants with more specialized previous experience with the immune system and /or working with mouse models will be preferred.
- isolate organs and cells from experimental animals after receiving the necessary training in the lab.
- critically analyse data and consider the necessary controls for validation experiments.
- actively participate in scientific discussions about own and other colleagues' projects.
- be a skilful user of standard data and text editing software (Word, Excel, Powerpoint etc). Applicants with skills in DNA, image and flowcytometry editing software (e.g Fiji, FlowJo) or bio-informatics (R) are preferred.

#### **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 Plus' of the saarVV)

We look forward to receiving your **meaningful online application** (in a PDF file) by **31.01.2026** to **dalia.alansary@uks.eu**. Please include the reference number **W2765** in the subject line of the e-mail.

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

Frau PD Dr. Dalia Alansary

dalia.alansary@uks.eu

Tel.: 06841-1616311

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.