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 01 July 2022

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

**Reference number W2119**, salary in accordance with the German TV-L salary scale\(^1\), pay grade: E13, employment: 60 % of standard working time, for 42 months.

**Workplace/Department:**
This position is offered by the group of Dr. Dalia Alansary in the Niemeyer lab (Molecular Biophysics in Homburg). My group is seeking motivated candidates for an interdisciplinary translational project. This project is part of a consortium investigating “Mechanisms of Cardiovascular Complications in Chronic Kidney Disease” ([https://www.sfb-trr219.de/](https://www.sfb-trr219.de/)). We are interested in understanding the molecular mechanisms underlying contribution of inflammatory cytokines to chronic renal and cardiovascular diseases. Particularly, we are motivated to implement our expertise and that of our collaborators to address how the interplay between calcium ions and reactive oxygen species regulate inflammatory processes underlying chronic kidney disease and how this can lead to progress of cardiovascular diseases. The PhD student will be able to use molecular biology approaches to modify candidate genes and investigate their influence on the immune function and disease development which can be assessed by a broad spectrum of well-established functional readouts particularly relevant for immune cells.

**Job requirements and responsibilities:**

- Conducting experiments planned for the second funding period of project M-04 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 and adjusting project plans according to obtained results.

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\(^1\) 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.
• Standard good practice in the lab and maintenance of lab equipment.
• Data management
• Support the practical courses in the lab by offering technical support to students.
• Participate in publication of data and manuscript preparation.

Your academic qualifications:
• Select an element. MSc or an equivalent qualification in biology, immunology, pharmacy or closely related disciplines.

The successful candidate will also be expected to:
• Have excellent spoken and written English skills while German skills are only preferable.
• Have sufficient experience in standard molecular biology techniques. Experience in flow cytometry and microscopy is of an advantage.
• Have basic knowledge about physiology of kidney, heart and immune system. Applicants with more specialized previous experience with the immune system will be preferred .
• Be able to perform statistical evaluation of data
• Isolate organs and cells from experimental animals after receiving the necessary training in the lab.
• Critically analyse own 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) are preferred.

What we can offer you:
• Work on a clinically relevant project in an exciting and stimulating environment with close clinical collaboration and direct analysis of patient materials.
• Performance and analysis of animal models simulating kidney and heart diseases.
• Benefit from established collaboration
• Integration into a graduate school programme that offers tailored interdisciplinary training, scientific and social activities and a strong mentorship for future career development
• Access to state-of-the-art microscopy (TIRF, FRET, Confocal) with the necessary training
• Hands-on experience with cutting edge molecular biology approaches such as CRISPR-Cas9 mediated gene editing.
• A broad spectrum of biochemical and optical methods for studying protein-protein interaction.
• Intensive mentoring and training while allowing room for creativity and independent work.

We look forward to receiving your (written) application. Please quote reference number W2119, when applying. Applications must be received by no later than 02 June 2022 and should be sent to the following address:
Universität des Saarlandes
Frau Dr. Dalia Alansary
Molecular Biophysics, AG. Niemeyer
CIPMM, Geb.48
66424 Homburg
Email: dalia.alansary@uks.eu

Application documents will not be returned. Please only submit copies of your documents and do not use plastic wallets, folders, ring binders, etc.

If you have any questions, please contact us for assistance. Your contact:
Select an element. 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.