

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 Biophysics of the Cytoskeleton research group is inviting applications for the following position commencing at the earliest opportunity.

Academic research assistant (m/f/x)

Reference number W1816, salary in accordance with the German TV-L salary scale¹, pay grade: E13, employment: 50 % of standard working time.

Workplace/Department:

Experimental Biophysics

Job requirements and responsibilities:

The Biophysics of the Cytoskeleton research group is looking for a talented and motivated doctoral candidate interested in using cell biological, biophysical and biochemical approaches in combination with microfabrication / microfluidics to study the basic principles that govern the properties of the microtubule cytoskeleton. The goal of this project is to reveal the biophysical rules that determine the relation between microtubule network architecture, dynamics and function. The project will involve live cell experiments as well as reconstituting in vitro systems with a minimum set of components (Schaedel et al., Nature Materials 2015; Aumeier et al., Nature Cell Biology 2016; Schaedel et al., Nature Physics 2019).

We are a young, enthusiastic and highly interdisciplinary team working on the cytoskeleton on different scales, from molecules to cells. We are particularly passionate about microtubules and intermediate filaments, two cytoskeletal fibers with opposing mechanical, dynamic and structural properties. We investigate cytoskeletal architecture,

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.

dynamics, mechanics and cross-talk using tools from biophysics, biochemistry, cell biology and microfabrication. For more information on the research group, please refer to www.biocytolab.com.

Your academic qualifications:

- Completed university studies in (bio)physics, biology, biochemistry or a related field qualifying for doctoral studies in the field of biophysics.

The successful candidate will also be expected to:

- Be proficient in English (both spoken and written).
- Have good comprehension skills in German or otherwise be willing to learn German during their stay.
- Previous experience in molecular / cell biology, biochemistry or fluorescence microscopy would be an appreciated asset.

What we can offer you:

- A flexible work schedule allowing you to balance work and family
- A broad range of further education and professional development programmes
- 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 ('Jobticket')

We look forward to receiving your **(written) application**. Please quote **reference number W1816** when applying. Applications must be received by no later than **15 January 2021** and should be sent to the following address:

Universität des Saarlandes

Frau Stephanie Uhrig

Experimental Physics

B2 1

66123 Saarbrücken

Email: employment-biophysics@uni-saarland.de

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:

Frau Jun.-Prof. Dr. Laura Aradilla Zapata

Experimental Physics

Tel.: (+49) (0)681 302 68552

In accordance with the objectives of its equal opportunities plan, Saarland University seeks to increase the proportion of women in this field. Qualified women candidates are therefore strongly encouraged to apply. Preferential consideration will be given to applications from disabled candidates of equal eligibility. The successful candidate has the option of choosing to work part-time in this position.

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.

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.