

Hier
entsteht
Zukunft!

Foto: Uwe Beilhäuser



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 Emmy-Noether Research Group in Physical and Theoretical Chemistry is inviting applications for the following position commencing at the earliest opportunity.

Academic research assistant (m/f/x)

Reference number W1926, salary in accordance with the German TV-L salary scale¹, pay grade: TV-L E13, employment: 1,5 years, 100 % of standard working time.

Workplace/Department:

Physical and Theoretical Chemistry, Emmy-Noether Research Group of Dr. Hilke Bahmann

Job requirements and responsibilities:

Requirements:

- Excellent programming skills in Fortran90 and Python
- In depth experience with molecular DFT calculations
- Experience with symbolic math programs such as Mathematica
- Fundamental comprehension of Kohn-Sham density functional theory and TDDFT
- Good English skills
- German skills are an advantage

Responsibilities:

- Implementation of novel hybrid density functional methods into a quantum chemistry program package
- Assessment of new density functionals for electronic excitation spectra
- Derivation of new mathematical expressions for nonempirical functionals from physical constraints

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.

Your academic qualifications:

- Doctoral degree / PhD in Theoretical Chemistry or Theoretical Physics

The successful candidate will also be expected to:

- present research results at conferences and workshops
- write research papers
- assist in student supervision
- assume occasional teaching duties in physical and quantum chemistry

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 W1926** when applying. Applications must be received by no later than **07 July 2021** and should be sent to the following address:

Universität des Saarlandes

Frau Dr. Hilke Bahmann

Physikalische und Theoretische Chemie

B2.2

66123 Saarbrücken

Email: hilke.bahmann@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 Dr. Hilke Bahmann

Tel.: 0681 302 3433

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.