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 W2036**, salary in accordance with the German TV-L salary scale, pay grade: TV-L E13, employment: 2 years (1 year with possible extension of 1 year), 100% of standard working time.

**Workplace/Department:**
Physical and Theoretical Chemistry, Emmy-Noether Research Group of Dr. Hilke Bahmann

**Job requirements and responsibilities:**

Requirements:
- General interest in density functional development for molecules and materials
- Good programming skills in Fortran and Python
- In depth experience with molecular DFT and linear-response TDDFT calculations
- Fundamental comprehension of Kohn-Sham density functional theory
- Experience with symbolic math programs, such as Mathematica is an advantage
- 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 excited states with linear-respose TDDFT
- 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 W2036 when applying. Applications must be received by no later than 27 January 2022 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

The Saarland University is an equal opportunities employer. In accordance with its policy of increasing the proportion of women in this type of employment, the University actively encourages applications from women. Women are given preference in cases of equal suitability, ability and professional performance.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity.

Applications from severely disabled persons will be given preferential consideration in the event of equal suitability. Part-time employment is generally possible.

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.

Unfortunately, costs for attending an interview at Saarland University cannot be reimbursed in principle.

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.