GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

The Faculty of Chemistry at the Georg-August-Universität Göttingen welcomes applications for up to two

Research Assistants (f/m/d)

at the Theoretical Chemistry group (Group of Prof. Reinhard Maurer). These are full-time positions with a regular working time of 39.8 hours per week and a fixed-term employment contract until 28.02.2031. The positions can be filled on or after 01.06.2026 (start dates are flexible). Salary: Pay grade 13 TV-L (100%).

Your duties

- You will conduct individual and collaborative research projects in theoretical chemistry and computational simulation,
- continually update your own knowledge and understanding in the field and translate knowledge of advances in the subject area into research activity,
- write up research work for publication,
- contribute to preparing proposals and applications to external bodies, e.g. for funding and contractual purposes, to support a developing research agenda,
- present information on research progress and outcomes to team members and collaboration partners,
- contribute positively to a collegiate research environment by supporting students and engaging in group activities such as meetings and seminars,
- contribute to teaching of courses as defined in Section 31 of the Higher Education Act of Lower Saxony (NHG) and administering of examinations. It is expected that teaching can be conducted in German after a maximum of two years of training.

Your profile

- You hold a highly qualified PhD in a relevant scientific discipline (e.g. chemistry, physics, materials science),
- proven ability in research and evidence of high-quality research outputs in relevant field,
- excellent knowledge of range of theoretical and computational methods in electronic structure theory, molecular simulation, and/or condensed matter physics with relevance to the project,
- good programming skills,
- ability to communicate complex scientific results effectively,
- ability to work both independently and as part of a team on complex research programs,
- ability to work collaboratively and effectively within an interdisciplinary and diverse team,
- desirably prior experience in machine learning methods, excited-state calculations, or nonadiabatic dynamics methods.

This post is designed to serve in fostering young researchers and scientists and give the successful applicant the opportunity to pursue post-doctoral research. The position is also suitable for part-time work.

We are looking for postdoctoral researchers to develop novel simulation methods and apply advanced electronic structure methods for the study of light-driven chemical dynamics in the context of heterogeneous photocatalysis and ultrafast phase transitions in two-dimensional materials. This effort is part of a large-scale project funded by the Alexander-von-Humboldt Foundation. We look to hire up to two applicants with strong expertise in first principles predictions of hybrid organic/inorganic systems or dynamics at surfaces.

Who we are: In the Maurer group, we aim to develop computational simulation methodology to study quantum phenomena at surfaces with applications ranging from photocatalysis, to nanotechnology and electrochemistry. Our goal is to combine electronic structure theory, molecular and quantum dynamics methodology, and machine learning methods to achieve an accurate yet computationally feasible description of complex phenomena in materials and at solid/gas and solid/liquid interfaces. You will join a large, international and interdisciplinary research group that provides a collaborative and supportive environment.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the University is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.

The documents are to be submitted by electronic form (single PDF file) to the e-mail r.maurer@chemie.uni-goettingen.de . The deadline for submission is 20:00 (CET) on Thursday May 7, 2026.

If you have any questions, please contact us via e-mail r.maurer@chemie.uni-goettingen.de .

FAMILIE IN DER HOCHSCHULE
Mitglied des Best Practice-Clubs

Please note:
With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the Hinweisblatt zur Datenschutzgrundverordnung (DSGVO) https://www.uni-goettingen.de/hinweisdsgvo

Link to Georg-August-Uni website with the official job posting:
https://www.uni-goettingen.de/de/644546.html?details=3297