

External Job Advertisement Reg.-Nr. 5-7300/26-D

-Korrektur-

The Faculty of Natural Sciences II, Institute of Chemistry, at Martin Luther University Halle-Wittenberg invites applications for the 3-year position of a

Scientific Coworker (f-m-d)

to be filled part-time (65%), starting October 1, 2026.

Remuneration will be determined based on job duties and responsibilities and will be aligned with the fulfillment of listed personal requirements, up to pay grade 13 under the *TV-L (Tarifvertrag für den Öffentlichen Dienst der Länder* – 'German Public Service Pay Agreement for the Federal States').

This position is located in the Chair of Physical Chemistry – Complex Self-Organizing Systems and is funded by the "Phospholipid Research center". The project aims to develop a lipid multilayer model system at the air-water interface for studying membrane proteins and lipid exchange.

Job Responsibilities:

- Development and investigation of a lipid multilayer model at the water–air interface.
- Physicochemical characterization using surface-sensitive methods, such as film balance techniques, infrared reflection-absorption spectroscopy (IRRAS), grazing incidence X-ray diffraction (GIXD), and epifluorescence spectroscopy.
- Physicochemical characterization of lipid model membranes in suspension, by besides other fluorescence spectroscopy and EPR spectroscopy
- Reconstitution and examination of membrane proteins within the developed model systems.
- Detailed, complex data analysis.
- Research trips for experiments, e.g., to synchrotron or neutron sources.
- Publication of results as well as presentations at conferences.
- Participation in the institute's teaching duties.

Opportunities for further academic qualification through a doctoral program are available.

Requirements:

- Diploma or Master's degree in Chemistry, Physics, Biochemistry, or an equivalent university degree
- Good knowledge of physical chemistry and spectroscopy, especially IR and EPR
- Ideally, knowledge in membrane biophysics
- Interest in biophysical research questions
- Initiative in familiarization with and exploration of a research field
- Independent and reliable laboratory work
- Problem-solving ability and capacity for critical and complex data analysis
- Good communication and teamwork skills, enjoyment in scientific exchange
- Very good English language skills, both spoken and written.

We offer:

- a secure job and attractive working conditions (home office, flexible working hours, variable part-time models)
- a cosmopolitan, diverse and international working environment that is also certified as family-friendly (including vacation care)
- Many further training opportunities and workshops on scientific topics and professional skills

Applications from severely disabled persons and persons of equal status will be given preferential consideration if they are equally suitable and qualified. Women are strongly encouraged to apply. Applications from people of all nationalities are expressly encouraged. Applicants with a degree that was not obtained at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (<https://www.kmk.org/zab/central-office-for-foreign-education>) as proof of equivalence when concluding the employment contract. You can apply for a financial grant for this at: <https://www.anerkennung-in-deutschland.de/html/de/pro/anererkennungszuschuss.php#>.

If you have any questions, please contact Dr. Christian Schwieger, e-mail: Christian.schwieger@chemie.uni-halle.de.

Please send your application as one pdf file stating the reg. no. 5-7300/26-D with the usual documents (including the contacts of 1-2 reference persons) exclusively via email to Martin Luther University Halle-Wittenberg, Dr. Christian Schwieger, email: christian.schwieger@chemie.uni-halle.de until 21.08.2026.

The call for applications is subject to any budgetary restrictions. Application costs will not be reimbursed by the Martin Luther University. Application documents will only be returned if a sufficiently stamped envelope is enclosed. An electronic application is welcome.