

## External Job Announcement Reg.-Nr. 5-619/25-D

Modern, interconnected, conscious of tradition: Martin Luther University Halle-Wittenberg (MLU) is the oldest and largest university in the State of Saxony-Anhalt with a history dating back more than 500 years. Today, more than 20,000 students are enrolled at MLU.

Within the graduate school AGRIPOLY II, the Martin-Luther-Universität Halle-Wittenberg, Faculty of Natural Sciences II, Chemistry Institute, Physical Chemistry is seeking to fill the temporary position of a

### Scientist / doctoral researcher (m-w-d)

in part time (50 %) at the earliest possible date. The position will be limited until 31.12.2027.

The salary will be up to "Entgeltgruppe 13 TV-L", if the personal requirements and tasks are fulfilled.

#### Tasks:

At the Martin-Luther-Universität Halle-Wittenberg, EU-funded forward-looking graduate schools in agricultural sciences and polymer sciences (AGRIPOLY) have been established. This promotes the internationalization and enhancement of the education of early-career researchers in areas of locally relevant, applied research with national and international visibility.

- Research activities: Production and purification, as well as physico-chemical investigation of amphiphilic, amino acid-based polymers (proteins) and their self-association into micro- and nanostructures (monolayers, vesicles, etc.), as well as the characterization of their properties and behaviour
- Production of recombinant proteins in bacterial production organisms and their processing
- Fluorescence and IR spectroscopy, monolayer measurements, microcalorimetry
- Research trips for measurements at collaboration partners
- Successful participation in the qualification programme of the AGRIPOLY II programme
- Performing teaching tasks in accordance with LVVO LSA (Physikalische Chemie) and supervising Bachelor's and Master's students
- Preparation of scientific publications and presentations

This position offers the opportunity to complete a doctoral degree.

#### Requirements:

- Completed university degree (Diploma, Master of Science) in chemistry, biochemistry, pharmacy, food chemistry, physics, or comparable life science-oriented subject
- Good knowledge in membrane biochemistry and biophysics, as well as biophysical chemistry of proteins
- Experience in methods for the investigation of lipid membranes and/or other soft matter and their interactions is desirable
- in-depth experience in and handling of biomimetic polymers or proteins and various membrane models is desirable
- Basic knowledge of the production of recombinant proteins in microorganisms
- Ability to work independently and reliably in the laboratory, to solve problems and to analyse data critically and in a complex manner



- Experience in the independent writing of theses is desirable
- Fluency in written and spoken English and German
- Good communication and teamwork skills, enthusiasm, enjoyment of scientific exchange

Women are strongly encouraged to apply. Application of disabled candidates with equivalent qualification will be given priority. Women are particularly encouraged to apply. Applicants with a foreign qualification have to show the statement of comparability for foreign higher educational qualification issued by the Central Office for Foreign Education/"Zentralstelle für ausländisches Bildungswesen" (<https://www.kmk.org/zab/central-office-for-foreign-education>).

For more information please contact *Dr. Maria Hoernke*, E-Mail: [maria.hoernk@chemie.uni-halle.de](mailto:maria.hoernk@chemie.uni-halle.de), Tel.: 0345 55-25807 (by appointment) or *Dr. Franziska Seifert*, E-Mail: [franziska.seifert@pharmazie.uni-halle.de](mailto:franziska.seifert@pharmazie.uni-halle.de), Tel.: 0345 55-25977 (by appointment).

Please submit your full application exclusively as one pdf file including the usual documents (letter of motivation, CV, certificates, reference contacts and/or reference letters are explicitly desirable) with reference to Reg.-No. 5-619/25-D until 11.02.2025 or via e-mail to: [luisse.quil@chemie.uni-halle.de](mailto:luisse.quil@chemie.uni-halle.de), Martin-Luther-Universität Halle-Wittenberg, Naturwissenschaftliche Fakultät II, Institut für Chemie, Physikalische Chemie, 06099 Halle (Saale), Germany.

Only complete application documents will be considered.

This announcement is depending on fund availability and any possible budget restriction.

Application expenses cannot be reimbursed by the Martin-Luther-University. Electronic application are welcome.