

Freie Universität Berlin



Who We Are The Szekeres group at the Institute of Chemistry and Biochemistry of Freie Universität Berlin is a newly established interdisciplinary team and is seeking a highly motivated, scientifically excellent research assistant (postdoc) within the BMFTR NanoMatFutur project "GAGosome". The aim of this project is to establish a fundamental understanding of how engineered glycan-lipid conjugates modulate the structural dynamics and function of lipid nanoparticles with the ultimate goal of enabling targeted drug delivery. The main focus of the prospective research assistant will be to develop an ultrafast nonlinear spectroscopic setup and integrate it with other biophysical methods to probe the dynamic structural and chemical properties of conjugated lipid membranes and their interactions.

Research assistant (postdoc) (f/m/d) (DM-917)

Department: Department of Biology, Chemistry, Pharmacy contract duration: limited to 1,5 Jahre Salary / pay grade: E 13 TV-L FU Working hours: 100 % Requisition ID: 917

Application deadline: 16.11.2026

City: Berlin; Starting date (earliest): At the earliest possible; Duration: limited to 1,5 Jahre; Remuneration: salary grade E 13 TV-L FU; Reference number: 917; Closing date: 16/11/26

Tasks

What You Can Expect in Your New Role

The postdoc will play a central role in the construction of the nonlinear spectroscopic setup, and its application in biophysical experiments. The work will focus on the design and implementation of femtosecond optical modules, as well as their diagnostics and application in exploring biomolecular dynamics and structure-function relationship.

Requirements

Key Requirements

The applicant must have a completed academic university degree (Master's/Diploma) and a doctorate hold (PhD or equivalent) in Biophysics, Physics, or equivalent a strong focus on ultrafast optical setup construction.

Desirable

- a strong focus on ultrafast optical setup construction,
- Experience in biophysical spectroscopy,
- Excellent written and spoken English skills,
- Interest in biomolecular spectroscopy,

- Efficiency, creativity, and proactivity-driven approach to scientific work,
- Collaborative and mentoring mindset while working with undergraduate and graduate students.

Professional experience: Strong background in the construction and application of femtosecond optical setups

Application

We look forward to receiving your application, which should include the following documents:

- A one-page motivational letter describing the candidate's previous experience, scientific interests, and future goals,
- Curriculum vitae with publication list,
- Proof of academic achievements, including copies of B. Sc., M. Sc., and doctoral degrees,
- At least two letters of support.

in a single PDF file

If you are interested in what we have to offer,

then you can send your application materials to us directly. Simply submit your application **exclusively** via our career portal by clicking the "Apply now" button. Unfortunately, we cannot consider applications by post or by e-mail.

You can also get in touch with Dr. Gergo Szekeres (g.szekeres@fu-berlin.de).
Please note

Freie Universität Berlin is an equal opportunity employer.

More information at <https://stellenticket.de/208328/BUA/>
Offer visible until 16/11/26

