

**Freie Universität Berlin - Fachbereich Biologie, Chemie, Pharmazie -
Institut für Chemie und Biochemie**

We are a young group interested in understanding quantitative aspects of gene regulation and coordination of the different steps of gene expression. We study *Escherichia coli* and the opportunistic fungal pathogen *Candida albicans* using molecular biology, biochemistry and quantitative biology approaches. Ultimately, we aim to understand how fundamental processes of gene regulation connect to regulation at the organismal level and to pathology, and to make that knowledge useful for biomedicine. We are part of the Department of Biology, Chemistry and Pharmacy at the Institute of Chemistry and Biochemistry and maintain collaborations within FU Berlin, across Germany and internationally.

Research assistant(f/m/d) DM-840

with 65%-part-time job limited to 4 years salary grade (Entgeltgruppe) E13 TV-L FU
reference code: DM-840

City: Berlin; Starting date (earliest): At the earliest possible; Duration: Befristet auf 4 Jahre; Remuneration: Entgeltgruppe 13 TV-L FU; Reference number: DM-840; Closing date: 14/09/26

Tasks

In the research group of Prof. Dr. Lydia Herzel (RNA Dynamics) a doctoral position is to be filled to work on transcription dynamics in *E. coli* and to characterize the contribution of a number of putative transcription factors, as well as the interconnection of RNA polymerase pausing to RNA processing. This project is part of a DFG-funded research unit FOR 6037 investigating the structure and function of multi-subunit RNA polymerases (msRNAPs) in different organisms, viruses and organelles and a direct collaboration with the structural biochemistry group at the institute.

If you are interested, please apply with your CV, a short description of your master's thesis project (or other equivalent research internships), your university degree certificates and contact details for two referees.

Requirements**Key Requirements**

A completed Master's degree (or equivalent) in biochemistry or a comparable field.

Desirable

Applicants should bring:

- Strong interest in the fundamental function and regulation of the transcription

process by RNA
polymerases

- High motivation to drive this project forward and develop it further
 - Ability to work independently in day-to-day lab work and planning
 - A reliable, careful working style and good documentation skills
 - Interest in combining experiments and data analysis
 - Very good oral and written communication skills in English
 - Teamwork skills and an interest in scientific exchange
- Professional experience (desired for conceiving and performing the experiments and analyses in the proposed project):
- Very good knowledge of the fundamentals of gene expression in bacteria and eukaryotes
 - Extensive practical experience in molecular biology, in particular cloning in *E. coli* on plasmids and into the genome
 - Extensive practical experience in microbiology
 - Experience with (in vitro) transcription analysis methods
 - Practical experience with immunoprecipitation and protein and RNA analysis
 - Very careful documentation and presentation of research results
 - Experience with high-throughput sequencing methods
 - Experience in designing and performing bioinformatic data analyses

What we offer

- Direct supervision in the lab
- Daily exchange with the group and other labs at the institute
- Thesis advisory committee with experts in the field through integration into the research unit infrastructure
- Annual (peer) exchange as part of the research unit symposium
- Lab placements in groups of the research unit
- Very good data infrastructure
- Participation in biochemistry teaching and the opportunity to gain experience supervising students in the lab
- Modern workplace in the leafy suburb of Dahlem
- Flexible working hours and mobile working by arrangement, where possible
- The compatibility of work and family life
- Numerous training and continuing education options for professional and personal development
- Opportunity to participate in University Sports Center courses and the health promotion program
- Free parking close to the office and good public transportation connections
- Discounted "Job Ticket" for public transportation
- Free use of the Freie Universität library system
- Employee discount in the cafeteria
- Exclusive deals for products and services through Corporate Benefits

Application

If you are interested in what we have to offer,

Please send your application materials to us (CV, short description of your master's thesis project (or other equivalent research internships), university degree certificates and contact details of two referees). To do this, 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 Mr./Ms. Prof. Dr. Lydia Herzel via phone.: +49 30 838 60266 or e-Mail:

lydia.herzel@fu-berlin.de

Freie Universität Berlin is an equal opportunity employer.

More information at <https://stellenticket.de/206843/BUA/>

Offer visible until 14/09/26

