

PhD Position in Microbial Systems Biology - Metaproteomics

Location: Charité – Universitätsmedizin Berlin, Ralser lab

Start Date: September 1, 2025

Application Deadline: July 11, 2025

Contract: Fixed-term (TVöD E13, 65%)

Reference: 4816

The Ralser Lab at Charité Berlin (<https://ralser.group/>) is recruiting a **PhD student** to join a cutting-edge research project in **microbial systems biology**. The focus is on understanding how the spatial organization of bacteria in human microbiomes drives metabolic cooperation and antimicrobial resistance, using metaproteomics.

What You Will Do

- Study dominant bacteria from the human microbiome using proteomics and spatial omics
- Analyze how microbial interactions affect growth, competition, and resistance
- Work in a collaborative, international, and interdisciplinary research environment
- Contribute to publications and present findings at scientific meetings

What We're Looking For

- MSc (or equivalent) in microbiology, molecular biology, biochemistry, or related field
- Experience with microbiology and/or proteomics; spatial omics is a plus
- Strong motivation and interest in host-microbe interactions and systems biology
- Excellent written and spoken English

Why Join Us?

- Join a world-class research institution in the heart of Berlin
- Work in a dynamic lab with international collaborators
- Benefit from structured PhD support and training opportunities

Apply Now

Submit your application to bewerbungen-biochemie@charite.de

Include your CV, cover letter and contact details for references.

