The Bacterial Metabolomics Group of the Cluster of Excellence "Controlling microbes to fight infections" at the University of Tübingen advertises a

Postdoctoral Position in Mass Spectrometry-Based Metabolomics

(100%, TV-L E13) to be filled as soon as possible. The position is initially limited to two years, with the possibility of extension.

The research group headed by Prof. Dr. Hannes Link at the University of Tübingen invites applications for a postdoctoral researcher in mass spectrometry-based metabolomics. Our group combines high-throughput LC-MS/MS metabolomics with CRISPR-based genetic screens to understand how bacteria regulate their metabolism, with applications in antimicrobial resistance, microbiome research and synthetic microbiology. The postdoc will develop new high-throughput metabolomics methods and coordinate the metabolomics collaborations of our group within the Cluster of Excellence *Controlling Microbes to Fight Infections*, at the University of Tübingen (https://www.cmfi.uni-tuebingen.de/en/) and with other collaboration partners. You can find more information about our group at https://www.linkmetabolism.com.

Your tasks:

- Development of cutting-edge high-throughput metabolomics methods (LC-MS/MS, targeted and untargeted), for example to measure metabolomes of large mutant libraries and genetic screens.
- Coordination of metabolomics collaborations within the Cluster of Excellence CMFI, with research groups across the University of Tübingen, and with external academic and industrial partners.
- Planning, measurement and analysis of metabolomics experiments together with collaboration partners, from experimental design and sample preparation to data interpretation.
- Maintenance and further development of 3 LC-MS/MS systems and data analysis pipelines.
- Training and supervision of PhD students, Master students and collaborators in metabolomics workflows.

Our requirements:

- PhD in analytical chemistry, biochemistry, biotechnology, microbiology, or a related field.
- Strong organizational skills and the ability to coordinate projects with multiple partners.
- Experience with liquid chromatography or mass spectrometry.
- Experience with high-throughput sample handling or automation is a plus.
- Data analysis skills (e.g. in Python, R, MATLAB or similar).
- Excellent communication skills in English, both written and spoken.

Send your application as one pdf file by email to **hannes.link@uni-tuebingen.de**. The review of applications will begin **November 16 2026** and will continue until the position is filled. The University aims to increase the proportion of women in research and teaching and therefore particularly encourages qualified women scientists to apply. The University of Tübingen is committed to equal opportunities and diversity and actively promotes gender equality. Disabled candidates will be given preference over other equally qualified applicants. The hiring process is carried out by the central administration of the university.