

The [Systems Biology of Antibiotics](#) group of the Cluster of Excellence “Controlling Microbes to Fight Infections” (CMFI) at the University of Tübingen is recruiting a

Postdoc in high-throughput microbial genetics (d/f/m, E 13 TV-L, 100%)

to start as soon as possible working on [ERC funded research](#), initially limited to three years. The project aims to systematically map drug and genetic interactions of bacterial immunity in microbial isolates using high-throughput genetics ([Brenzinger et al, 2024, Nature Microbiology](#)). The ideal candidate will do wet-lab work at the interface of microbiology and functional genomics, and more specifically develop transposon- and CRISPR-based approaches to characterize genome-wide regulation of bacterial defence systems.

The candidate should have:

- a PhD in microbiology, molecular biology, biochemistry or related subjects
- strong interest in genome-wide functional genetic methods, such as transposon or CRISPR assays. Previous experience is an advantage, but not a requirement.
- scientific creativity and drive to address fundamental biological questions working in multidisciplinary teams
- excellent communication skills in English, both written and spoken.

We offer

Our multidisciplinary and international team combines basic microbiology with high-throughput screening and systems biology approaches to improve our understanding of bacterial molecular networks of drug resistance and pathogenicity. We have access to state-of-the-art robotic platforms for profiling bacterial physiology, and core-facilities for next-generation sequencing and metabolomics. We support career development, as well as continuous mentoring opportunities.

How to apply

Send your application **as one pdf file** by email to systemsmicro.recruit@cmfi.uni-tuebingen.de. The file should contain: a cover letter, your CV (including contact details of 3 academic referees and publications list), a short summary of relevant projects, and certificates. If have any questions, visit us at www.brochadolab.com or contact Prof. Dr. Ana Rita Brochado (ana.brochado@uni-tuebingen.de).

The review of applications will begin **February 28, 2026** and will continue until the position is filled.

The university advocates equal rights for all genders and therefore urges women and gender-diverse people to apply. Equally qualified applicants with disabilities will be given preference.