

Postdoctoral Position, Computational Biology/ Bioinformatics

with a focus on the Proteome of the Microbiome

Charité Berlin (ImmunoPreCept Cluster of Excellence)

We are looking for a motivated **computational biologist / bioinformatician** to explore how microbial communities function using **metaproteomics** and metagenomics data.

You will work with **unique large-scale datasets** (including >1,800 *Candida albicans* strains and patient cohorts) to investigate how strain-level proteomic variation in fungal communities relates to host immune responses and clinical outcomes such as colonization, infection, and inflammatory disease.

What you'll do

- Analyze **microbiome & mycobiome data**, using metagenomics and a primary focus on proteomics
- Develop **computational pipelines and predictive models**
- Collaborate closely with experimental scientists and clinicians

What we're looking for

- PhD in bioinformatics, computational biology, or related field
- Experience in **metagenomics** or **computational proteomics**, with a strong interest in exploring proteomes of complex microbial communities
- Strong programming skills (Python and/or R)
- Interest in microbiome research and systems biology

Why join us

- Work with exceptional datasets and **cutting-edge technologies**
- Be part of a highly collaborative, interdisciplinary team
- Contribute to **translational research in microbiome & inflammatory disease**
- Excellent environment for independent and impactful research
- Excellent track record of alumni progressing to **independent group leader roles** and **leadership positions in industry**

Contact And How to Apply

Please submit your application documents, including your CV, a cover letter, relevant transcripts, and contact information for references, through our Charité application system at: <https://karriere.charite.de/en/job-vacancies/detail/6278>

For any inquiries, please visit our web page <https://ralser.group/>, or contact Prof. Dr. Markus Ralser (markus.ralser@charite.de) or Dr. Alexandra Marr (alexandra-katharina.marr@charite.de)