

The Department Microbial Immune Regulation of the Helmholtz Centre for Infection Research (HZI) is looking for a

**Student Assistant (m/f/d)
for bioinformatics research in the area of human microbiome research**

for up to 35 hours per month.

The human gut microbiome contains thousands of microbial species and trillions of microbial cells. Advances in shotgun metagenomics have enabled us to identify these microbes and explore their roles in human health. However, these advances also produce large, complex datasets that require strong computational and bioinformatics skills.

We are seeking a highly motivated student research assistant (HiWi) with a background in bioinformatics to help us turn complex metagenomic data into new biomedical insights.

Your tasks:

- Run established in-house bioinformatics pipelines for large metagenomic datasets.
- Contribute to data curation, including clinical metadata, metagenomic, and metatranscriptomic information.
- Assist in data analysis, statistical evaluation, and visualization.
- Support code and pipeline documentation.
- Contribute to code and pipeline management and optimization.

Your profile:

We are looking for a student assistant who enjoys the activities described.

Requirements:

- Student in Bioinformatics or related life science degree with a focus on computational methods.
- Proficiency in at least one programming language: Python, R, or Bash (and comfortable with the other two).
- Familiarity with Unix systems.
- A basic understanding of HPC (High-Performance Computing) environments is a plus.
- Basic knowledge of biostatistics, ecology, evolution, and molecular biology is advantageous.
- Strong motivation to develop new computational skills and deepen biomedical knowledge.
- Independent and structured way of working
- Careful work is one of the basic requirements for this responsible task
- Organizational talent and good communication skills

We offer you:

- An attractive and varied job in a future-oriented research institute with an international environment
- A state-of-the-art infrastructure and the latest technologies
- First insights into everyday working life
- Flexible working hours and home office
- A corporate culture of appreciation and promotion of equal opportunities
- Remote working possible

Fixed-term contract:

The position is initially limited to 6 months an extension is generally possible.

Hiring date: As soon as possible

Remuneration/time: 13,58 - 14,59 euros (depending on progress of studies)

Working hours: 35 hours/month by arrangement

Please direct any queries directly to Prof. Dr. Till Strowig, tel. 4700 or by e-mail to till.strowig@helmholtz-hzi.de.

How to apply:

When sending us your application documents, please **confirm** that you have read our **privacy policy** and that you consent to the processing of your personal data. Please use the text module in our [privacy policy](#) for this purpose. **Without these declarations, we will not be able to consider or process your application** and will delete any application documents already received immediately after the application deadline.

Please **send** your complete application with the reference **MIKI Hilfskraft** in one (1) PDF document by e-mail to till.strowig@helmholtz-hzi.de.

We look forward to receiving your application!