

Helmholtz-Zentrum für Infektionsforschung GmbH



As a member of the Helmholtz Association, the Helmholtz Centre for Infection Research, based in Braunschweig, conducts top-level research in the field of infectious diseases. Our scientists develop novel methods and strategies to fight infectious diseases faster and more effectively. Our common goal is to develop novel approaches for the prevention, diagnosis and treatment of infectious diseases. Our research focuses on bacterial and viral pathogens, their interaction with the human immune system and new effective substances and vaccines.

Student Assistant (m/f/d)

for bioinformatics research in the area of human microbiome research, for up to 35 hours per month

City: Braunschweig; Starting date (earliest): At the earliest possible; Remuneration: 13,58 - 14,59 euros/h (depending on progress of studies); Reference number: MIKI Hilfskraft; Closing date: 14/12/25

Working field

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.

- 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.

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

What we offer

- 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

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

Application

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!

More information at <https://stellenticket.de/199404/TUBS/>

Offer visible until 13/12/25

