

Job Announcement No. 165/2021

For our nationwide research network “NFDI4Microbiota - National Research Data Infrastructure for Microbiota Research (<https://nfdi4microbiota.de/>)” we are looking for a highly motivated

Postdoc in Computational Biology (m/f/d)

to be employed by the Department of [Bioinformatics of Infection Research](#) headed by Prof. Dr. Alice C. McHardy at the Helmholtz Centre for Infection Research (HZI).

Your responsibilities:

- Development and implementation of guidelines for standardized computational pipelines
- Establishment and implementation of standard workflows for data quality control and benchmarking services for microbiome data
- Development and maintenance of best-practice analytical workflows and services for processing microbiological research data
- Close collaboration with cooperation partners
- Developing and teaching a computational training curriculum for microbiome researchers with consortium partners (1-2 workshops per year)
- Creation of posters, presentations, reports and scientific publications
- Scientific service activities for internal and external scientists
- Organizational and general support tasks within the department

Your profile:

Requirements:

- PhD degree in bioinformatics, computer science, software engineering or similar and a competitive publication record
- A commitment to reproducible research, the ability to work in a highly interdisciplinary research field
- Very good programming skills are obligatory
- Independent and well organized way of working
- Ability to understand and present complex issues clearly and eloquently in written form
- Very good English language skills, both written and spoken

Desirable Skills:

- Prior experience in meta’omics, infection research, statistical learning or with the analysis of NGS data sets
- Basic German language skills, both written and spoken

The National Research Data Infrastructure (NFDI) has the objective to systematically index, edit, interconnect and make available the valuable stock of data from science and research. So far, these data have mostly been available in a decentralized, project-related, or temporary form. The federation and the states funds the NFDI jointly. Digital data storage is an indispensable prerequisite for treating new research issues, generating findings, and making innovations. Our international department is co-speaker of the newly funded NFDI4Microbiota consortium. The vision of the NFDI4Microbiota consortium is that researchers in microbiology (including bacteriology, virology, protistology, mycology and parasitology) can translate research data easily into a deep understanding of microbial species and their interactions on a molecular level. The mission of the NFDI4Microbiota consortium is to be the central hub in Germany for supporting the microbiology community with access to data, analysis services, data/metadata standards and training.

The department is part of the Helmholtz [Centre for Infection Research](#) and physically located at the Braunschweig Integrated Center for System Biology (BRICS) of the Technische Universität Braunschweig. The Helmholtz Association is the largest research organization in Germany and ranked [7th](#) in the world. Braunschweig has a high density of scientific institutions and is centrally located in

Germany, with quick access to various metropolitan areas (Berlin, Hamburg, Frankfurt) and recreational areas (Harz, North Sea, etc.).

People with severe disabilities and equivalent professional qualifications who are suitable for the position are given preference. In order to protect your rights, we ask you to provide us with a clearly recognizable reference to the existence of a degree of severe disability in your cover letter or resume.

The HZI strives for professional equality between women and men.

The position is suitable for part-time work and will be realized within the scope of the possibilities of the service.

Starting date:	As soon as possible. The contract will initially run for two years.
Salary:	E 13 TVöD Bund
Working time:	39 hours per week
Place of work:	Braunschweig
Probation period:	6 month
Published:	18.11.2021
Closing date:	02.01.2022

When sending us your application documents, please confirm that you have read our privacy policy and that you agree to the processing of your personal data. Please use the text module in our [privacy policy](#) for this purpose.

Without these declarations we cannot consider or process your application and will immediately delete any application documents already received after the application deadline.

For further information please contact Prof. Dr. Alice McHardy, email: Alice.McHardy@helmholtz-hzi.de or Mrs. Kirsten Sauerland, email: Kirsten.Sauerland@helmholtz-hzi.de

Please send your complete application, quoting the reference number **165/2021**, to the Helmholtz Centre for Infection Research GmbH, Human Resources Department, Inhoffenstr. 7, 38124 Braunschweig, Germany or by e-mail to JobsHZI@helmholtz-hzi.de in cc to jobs.BIFO@helmholtz-hzi.de.

If you send your application in electronic form, please provide a **summary in one single (1) pdf document**.