



Job announcement no. 88/2021

The Helmholtz Institute for RNA-based Infection Research (HIRI) is offering a position as

Postdoc in Bioinformatics (all genders)

to support our Single-Cell Center

The Single-Cell Center is a new joint competence center of the Helmholtz Institute for RNA-based Infection Research (HIRI) with the Medical Faculty of the Julius Maximilians University (JMU) in Würzburg. Its objective is to analyze and understand diseases at the level of individual cells. In the future, this will enable the earliest possible and most reliable prediction of a disease and how they can be treated in the best possible way. More information at www.helmholtz-hiri.de.

Your responsibilities

- Analysis and interpretation of functional genomics data
- Development of analyses pipelines tailored to single cell multi-omics data, such as scRNA-seq, single-cell ATAC-seq and spatial transcriptomics
- Development of data integration approaches for single-cell RNA-seq, single-cell ATAC-seq, CITE-seq, and spatial data modalities (spatial transcriptomics, imaging-based transcriptomics)
- Analysis of high-resolution imaging data
- Consulting, advising and collaboration with experimental scientists and clinicians

Your profile

- PhD or equivalent in Computational Biology, Bioinformatics, Genomics, or a related field in the computational or natural sciences
- Experience with high-throughput sequencing data analysis using Python and R/Bioconductor packages
- Experience working in a Linux-based high-performance computing environment
- Experience with single-cell RNA-seq, and/or computational image analysis is desired, though not essential
- Experience with scientific workflow development (e.g. Nextflow, Snakemake) is a plus
- Basic knowledge of molecular biology and related disciplines, or a desire to learn more about it
- Strong written and spoken English language communication skills
- A creative, collaborative outlook and service orientation

We offer

We offer state-of-the-art infrastructure and cutting-edge technologies to promote scientific progress and interdisciplinary collaboration. We focus on a close integration of research and management and strive for excellence inside and outside the laboratory. Promoting equal opportunities and competencies for our employees and celebrating diversity are a matter of course for us. To ensure a good work-life balance, we have created a family-friendly atmosphere with flexible working hours and part-time models, a parent-child room and regular social activities.



Employment is through the Helmholtz Centre for Infection Research (Helmholtz-Zentrum für Infektionsforschung GmbH / HZI) in Braunschweig. The place of work is Würzburg. The position is suitable for part-time work. The HZI strives for professional equality between women and men. Therefore, women are especially encouraged to apply. Severely handicapped persons with equivalent professional qualifications are given preference. In order to protect your rights, we kindly ask you to provide us with a reference to your degree of disability in your cover letter or resume. Since the contract will be fixed-term according to § 14 para. 2 TzBfG, applicants who have already been or are currently employed by the Helmholtz Centre for Infection Research (or its predecessor GBF) cannot be considered.

Starting date:	As soon as possible. The contract will initially run for two years.
Salary:	E 14 TVöD Bund
Working time:	39 hours per week
Place of work:	Würzburg
Probation period:	6 month
Published:	July 7, 2021
Closing date:	July 27, 2021

How to apply

We look forward to receiving your complete application including a cover letter, CV without picture, certificates, and reference projects. You are also welcome to provide us with reference names in your CV. Please send your application quoting the reference number **88/2021** to the Helmholtz Centre for Infection Research GmbH, Human Resources Department, Inhoffenstr. 7, 38124 Braunschweig, Germany or by email to JobsHIRI@helmholtz-hzi.de. If you send your application in electronic form, please provide a **summary in one single (1) pdf document**. For further information please contact Dr. Tobias Kerrinnes, phone 0931 31-83639, email: tobias.kerrinnes@helmholtz-hiri.de.

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.

About the HIRI

The Helmholtz Institute for RNA-based Infection Research (HIRI) is the first institution worldwide to combine ribonucleic acid (RNA) research with infection biology. Based on novel findings from our strong basic research program, our long-term goal is to develop innovative therapeutic approaches to better diagnose and treat human infections. HIRI is a joint venture of the Helmholtz Center for Infection Research (HZI) in Braunschweig and the Julius Maximilians University of Würzburg (JMU) and is located on the Würzburg Medical Campus. More information at www.helmholtz-hiri.de.