



Job announcement no. 92/2021

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

Quantitative Data Researcher/ Data Engineer (all genders)

to support our research at the 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

- Establishing data and databases for processing genomic sequence data (single-cell RNA-seq, single-cell ATAC-seq), microscopic image data, etc.
- Structuring of experimental data sets
- Development of pipelines for data processing
- Development of concepts for data processing and interaction with data
- Design and implementation of a data visualization and interaction web server

Your profile

- Successfully completed PhD degree or equivalent work experience in the field of Data Engineering, Data Science, Computer Science, Bioinformatics, Information and Data Management or a similar field of study
- Programming skills with at least Python, R, and SQL, as well as basic knowledge of Unix Shell, Docker, and git
- Ideally, experience with C/C++, JavaScript, and HTML
- Ideally, experience with Big Data, Machine Learning (possibly with Tensorflow/Keras), and Multidimensional Data
- Experience with web design (HTML/CSS, JavaScript, and UI/UX)
- Experience working with Docker, CI/CD pipelines or PaaS systems
- Data visualization techniques (e.g. R Shiny, Rmarkdown, Tableau, ggplot2, plotly)
- Interest in the research areas of HIRI
- You are open to new ideas, enjoy working in an international environment and demonstrate a strong can-do spirit

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.

Starting date:	As soon as possible. Funding ends December 31, 2022. However, a longer-term commitment is aspired, regardless of full- or part-time.
Salary:	E 14 TVÖD Bund
Working time:	39 hours per week
Place of work:	Würzburg
Probation period:	6 months
Published:	July 02, 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 **92/2021** 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.