

Job advertisement no. 54/2021

The department Cellular Proteomics, led by Prof. Lothar Jänsch, at the Helmholtz Centre for Infection Research (HZI), is offering the position of a

Postdoctoral fellow / scientist (f/m/d)

The Helmholtz Centre for Infection Research GmbH (HZI) is a member of the Helmholtz Association of German Research Centers, the largest scientific organization in Germany.

Scientists at the HZI develop strategies to better combat infectious diseases. Their goal is to develop novel approaches for the prevention, diagnosis and therapy of infectious diseases. To this end, they study bacterial and viral pathogens and their interaction with the immune system and explore new active ingredients.

We are looking for a highly motivated postdoctoral fellow / scientist for our mass spectrometry (MS) unit. The MS unit comprise state-of-the-art instrumentations (e.g. Orbitrap Exploris 480 with FAIMS, timsTOF Pro) and is organizing proteome studies in infection research. The candidate will be embedded in interdisciplinary and translational consortia which aim on the identification of novel and druggable mechanism in bacterial and viral infections. Beside supporting ongoing projects, the candidate will get the opportunity to further develop her/his scientific profile, e.g. by devising novel MS approaches in the direction of interactomics, single cell and *in situ* proteomics using primary materials from patients.

Responsibilities:

- Organizing and supporting mass spectrometry in translational infection research.
- Characterizing post-translational modifications and interactomes in immunity.
- Supervision of technical assistance at LC-MS workflows.
- Support teaching and training of students in MS-based protein analytics.
- Set-up innovative analytical strategies to study molecular interactions in infection.
- Reporting of MS results (consortia, conferences, publications).
- Support and co-apply for third party funding to foster our clinical proteome pipelines.

Requirements:

- Master in biochemistry, biotechnology, molecular biology, chemistry or comparable university degrees that qualify for this position.
- Doctorate in life sciences or medicine with long-term experience in mass spectrometry and proteomics.
- Expert knowledge in bioinformatics and software to evaluate MS raw data.
- Experience in metabolic protein labeling and/or cross-linking technologies for targeted and quantitative MS.
- Trained and experienced in biostatistics.
- Strong interest in infection research.
- Independent, structured and goal-oriented personality with team spirit and strong communication skills.
- Very good English proficiency (speaking, reading, writing).

Advantageous for this position:

- Training or experience in infection research.
- Training or experience in cell- and immune biology.
- Experience in phosphoproteomics and interactomics.
- Experience in teaching and/or supervision of technical assistance and students.

We offer you:

- Challenging and varied tasks in a dynamic and international research environment.
- Most modern workplace equipment.
- Additional services of the public service.
- Extensive further training opportunities.
- Flexible working hours and workplace design.
- Support for a better balance between work and private life through our family office.
- A workplace at the Science Campus Braunschweig-South.

Severely handicapped persons with equivalent professional qualifications 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. Therefore, women are especially encouraged to apply.

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 three years.
Salary:	E14 TVöD Bund
Working time:	39 hours per week
Place of work:	Helmholtz Centre for Infection Research, Braunschweig, Germany
Probation period:	6 month
Published:	22.04.2021
Closing date:	22.05.2021

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. Lothar. Jänsch, phone 0531 6181 3030, email: lothar.jaensch@helmholtz-hzi.de.

Please send your complete application, quoting the reference number **54/2021**, 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 If you send your application in electronic form, please provide a **summary in one single (1) pdf document**.

Applications can be submitted in German as well as in English.