

Job advertisement no. 118/2025

The department Immune Signalling (IMSI), at the Helmholtz Centre for Infection Research (HZI), is offering the position of a

Postdoc (f/m/d)

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.

Information about the working group:

Our research in Dr. Herhaus's junior scientist group focuses on cell homeostasis and intrinsic and extrinsic cell immunity in pathogen infections. We are interested in deciphering mechanisms of innate immunity that are regulated, for example, by autophagy, using cell culture techniques and mouse models. We are associated with the DFG-funded Collaborative Research Center 1177 on selective autophagy (www.sfb1177.de). In addition, we aim to better understand cell-cell communication via extracellular vesicles and their influence on immune regeneration. We are looking for support for our project to decipher the molecular mechanisms by which pathogens use cellular membranes and organelles, especially their contact points, for the spread and survival of pathogens. We also offer the opportunity to work on exciting projects in a highly collaborative, multidisciplinary, and international team, embedded in the excellent scientific environment at the HZI with direct access to state-of-the-art technological facilities.

Responsibilities:

- Performing various biochemical analysis methods in the research laboratory
- Planning, conducting, and evaluating experiments
- Recording the work performed
- Presenting the results achieved

Requirements:

- University degree and a doctorate in biochemistry, biology, microbiology, biomedicine, veterinary medicine, medicine, or an equivalent scientific field are required
- Comprehensive knowledge of biochemistry, cell biology, microbiology, and immunology
- Experience with common biochemical analysis methods (e.g., microscopy, Western blotting, ELISA, FACS, mass spectrometry), data analysis, and cell culture
- Reliable, team player, motivated
- Publication(s) in professional journals
- Business fluent English (Knowledge of German is not required)

Advantages for this position:

- Experience with microscopy-based screening
- Experience with R for data analysis (or comparable)

We offer you:

- An attractive and varied job in a future-oriented research institute with an international environment at the Science Campus South in Braunschweig
- A state-of-the-art infrastructure and the latest technologies
- Flexible working hours, part-time models
- A corporate culture of appreciation and promotion of equal opportunities
- Extensive training and continuing education opportunities to develop professional knowledge and personal skills
- A family office to support family and career as well as childcare offers
- Interesting additional public service benefits
- Option of an additional employer subsidy for the job ticket

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 is actively committed to equality, diversity and integration. For this reason, the HZI pursues the goal of professional equality between women and men. The position is suitable for part-time work.

Starting date:	As soon as possible. The contract will initially run for 2 years.
Salary:	E 13 TVöD Bund
Working time:	39 hours per week
Place of work:	Braunschweig
Probation period:	6 months
Published:	16.10.2025
Closing date:	13.11.2025

For further information please contact Dr. Lina Herhaus via email: Lina.herhaus@helmholtz-hzi.de

How to apply:

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.

Please include a cover letter, resume, (employment) references, certificates, and (if available) work samples or reference projects with your application materials. Please refrain from sending a photo.

Please send your complete application, quoting the **reference number 118/2025**, to the Helmholtz Centre for Infection Research GmbH, Human Resources Department, Inhoffenstr. 7, 38124 Braunschweig, Germany or by [e-mail](#). If you send your application in electronic form, please provide a **summary in one single (1) pdf document**.

We look forward to receiving your application!