With around 17,000 students and 3,800 employees, Technische Universität Braunschweig is the largest Institute of Technology in northern Germany. We are known for our strategic and performance-oriented thinking and acting, top-level research, highly committed lecturers and a successful transfer of knowledge and technologies into industry and society. We are dedicated to creating a family-friendly environment and advocate for equal opportunities.

Our core research areas are Mobility, Engineering for Health, Metrology, and the City of the Future. A strong focus is placed on engineering and the natural sciences, with a close link of our core disciplines to the economics, social and educational sciences as well as the humanities.

Our campus is located in the middle of one of Europe’s research hotspots, where we have established a successful working relationship—both with the more than 20 research facilities in our neighbourhood and our international partner universities.

Starting from the earliest possible date, the research group “Virology and Innate Immunity”

of Prof. Dr. Melanie M. Brinkmann

at the Institute of Genetics is looking for a

Research Postdoc (m/f/d) in the field of Host-Pathogen Interactions with focus on the innate immune response to herpesvirus infections

(full-time, 39.8 hours per week)

The position is available for immediate appointment and to be filled on a fixed-term basis for two years with the possibility for extension. The successful applicant will be given the opportunity for further scientific qualification.

Embedded in the core research area “Engineering for Health – from Molecules to Processes” of the Technische Universität Braunschweig (TU BS), the research group “Virology and Innate Immunity” of Prof. Melanie Brinkmann is offering a postdoctoral position. The TU BS puts a strong focus on host-pathogen interactions and is tightly connected with its partners in the Hannover-Braunschweig region (Hannover Medical School, Twincore, Helmholtz Centre for Infection Research) via several research networks to address the challenges of identifying novel treatment options for infectious diseases. The “Virology and Innate Immunity” research group focuses on the innate immune response to chronic viral infections and is seeking for a highly motivated and enthusiastic Postdoctoral Scientist (m/f/d) to study the interaction between herpesviruses and the innate immune system. We aim to understand the molecular mechanisms of virus sensing by innate immune cells and downstream effects, and the strategies that viruses employ to counteract the host’s innate immune response with the intention to (1) discover and target novel structures for therapeutic approaches and (2) obtain novel insights into the host’s immune response.

Make a Difference:

• You will perform in vitro and in vivo infection studies, analyse innate immune responses and their effects on infection, and conduct genetic engineering of cell models and viruses
• You will develop research projects to produce high quality research outputs in peer-reviewed journals and to acquire third-party funding
• You will collaborate with national and international partners and represent our research activities at scientific conferences
• You will publish research findings and participate in national and international conferences
• You will teach in molecular biology and virology (prepare and implement lectures and courses as well as train and supervise Bachelor, Master and PhD students)
Your Qualifications:

- You have a master’s degree (or equivalent) and a PhD (or equivalent) in biology, biotechnology, biochemistry, veterinary medicine, or related biological sciences
- You have an expertise in virology, molecular biology, cell biology, genetics, and biochemistry
- Your experience with next-generation sequencing methods, such as RNA-seq, single-cell RNA-seq, and proteomics will be considered as an asset, as well as experience with bioinformatics and in vivo model systems
- You have high motivation and ability to work collaboratively as part of a multidisciplinary research environment
- You have profound organisation and communication skills
- You have high motivation to train the next generation of scientists
- You are flexible and work well in a team
- You have excellent written and oral English skills
- You have publication(s) in peer-reviewed journal(s)

Our Benefits:

- Pay in accordance with the collective agreement TV-L, up to pay grade E13, depending on the assignment of tasks and fulfillment of personal requirements.
- A special payment at the end of the year as well as a supplementary benefit in the form of a company pension, comparable to a company pension in the private sector.
- Interesting and diverse tasks in a pleasant working atmosphere with a friendly and motivated team.
- A workplace that is basically suitable for part-time work, although the position is to be filled full-time, as well as flexible working and part-time options and a family-friendly university culture, awarded the “Family-friendly university” audit since 2007.
- A wide range of continuing education and company health care programmes as well as a vibrant campus life in an international atmosphere.

What's more to know:

We welcome applicants of all nationalities. At the same time, we encourage people with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a form of evidence of your handicap to your application. We are also working on the fulfillment of the Central Equality Plan based on the Lower Saxony Equal Rights Act (Niedersächsisches Gleichberechtigungsgesetz—NGG) and strive to reduce under-representation in all areas and positions as defined by the NGG. Therefore, applications from women/various are particularly welcome in this case.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at [https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen](https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen). Application costs cannot be reimbursed.

Questions and Answers:

For more information, please call Prof. Dr. Melanie Brinkmann on +49 (0) 531 391 5773

Closing date: 31.10.2023

Are you interested? Please send your application containing a letter of motivation, curriculum vitae, school and university certificates, and contact details of at least two references preferably as one pdf file via email to m.brinkmann@tu-braunschweig.de

or via mail to

Technische Universität Braunschweig
Institut für Genetik
Frau Prof. Dr. Melanie Brinkmann
Spielmannstraße 7
38106 Braunschweig