

**Job announcement No. 041/2024**

The PK/PD unit of Dr. Katharina Rox which is within the Department of Chemical Biology (CBIO) led by Prof. Dr. M. Brönstrup at the Helmholtz Centre for Infection Research (HZI) in Braunschweig, Germany is offering a position as

**Doctoral Researcher in Pharmacology (f/m/d)**

**Project title: PK/PD characterization of broad-spectrum antivirals for pandemic preparedness**

**Project description:**

The successful candidate will be responsible for the investigation of novel lead compounds with broad-spectrum antiviral activity. The cellular and molecular mechanism of action and the pharmacological properties of small-molecule as well as PROTACs will be studied by a combination of virological, biochemical, chemoproteomic and *in silico* modelling techniques, in close collaboration with other disciplines of the international network. A part of the work will be performed in biosafety level 3 laboratories on the campus.

**Qualifications:**

- Master's Degree/Diploma (or equivalent) in cell biology, biochemistry, virology, pharmaceutical sciences or related disciplines
- Fluency in English (written and spoken)
- Ability to work independently and as part of an international team
- Highly motivated to develop scientific skills
- First experiences with independent planning of experimental methods (molecular biology, biochemistry and bioanalytics) are required
- Expertise in virology and/or PK modelling is considered an advantage.

People with severe disabilities and equivalent professional qualifications who are suitable for the position are given preference. The HZI strives for professional equality between women and men. The position is suitable for part-time work.

**We offer:**

- Modern laboratories, including S3 unit
- State-of-the-art analytical instrumentation
- Ample biological profiling platforms (*in vitro* and *in vivo*)
- A lively scientific community
- 30 days vacation, (24.12. & 31.12. are considered as completely free days)
- An annual additional payment (Weihnachtsgeld) analogue to § 20 TVöD
- Social security included
- Flexible working hours and workplace design
- DO IT- PhD initiative <https://www.helmholtz-hzi.de/de/karriere/do-it-doktorandeninitiative>
- a corporate culture of appreciation and promotion of equal opportunities
- Welcome Office
- Buddy System for new doctoral researchers
- Family Office, Child Holiday Care

The successful candidate will be integrated in the HZI International Graduate School for Infection Research (GS-FIRE) which provides an innovative structured PhD programme within the field of Infection Research <https://www.helmholtz-hzi.de/de/karriere/graduierenschule/curriculum/>.

**Starting date:** 01.07.2024 or later - Initial contract for 3 years  
**Salary:** alike TVöD (Bund) E13 (65%)  
**Probation period:** 6 months  
**Published on:** **19 March, 2024**  
**Closing date:** **28 April, 2024**  
**Application:** Applicants are required to complete the online application form here:  
<https://hzi.opencampus.net/> (Please select Job No. **041/2024**).

For more details regarding the position, please contact Dr. Katharina Rox via email: [Katharina.rox@helmholtz-hzi.de](mailto:Katharina.rox@helmholtz-hzi.de), or by phone: +49 531 6181-4409.

Further information about the institute and the research group of Dr. Katharina Rox can be found on our website: <https://www.dzif.de/en/working-group/pharmacokinetics-and-pharmacodynamics> and <https://www.helmholtz-hzi.de/en/nc/research/research-topics/anti-infectives/chemical-biology/team/>