



**Job announcement No. 24/2019**

The research group “LncRNA and Infection Biology” (LRIB) of Dr. Mathias Munschauer at the Helmholtz Institute for RNA-based Infection Research (HIRI) in Würzburg (Germany) is seeking a

**Doctoral researcher (f/m/d).**

**Project title: RNA-protein complexes and genome stability**

**Project description:**

The research group “LncRNA and Infection Biology” invites talented and highly motivated applicants for a PhD position focused on decoding how long non-coding RNA (lncRNA) interact with proteins to create regulatory complexes. The human genome contains thousands of lncRNAs, but specific biological functions and biochemical mechanisms have rarely been characterized. The project will focus on dissecting the structure and function of a previously unknown lncRNA-protein complex with important roles for maintaining genome stability. The successful candidate will develop and apply high-throughput techniques in biochemistry, molecular biology, and cell biology to help decipher the genetic code controlling lncRNA function. Interested candidates can learn more about the project and general approach from Dr. Munschauer’s recent publication in Nature: <https://www.nature.com/articles/s41586-018-0453-z>

The LRIB research group will start in July 2019.

The successful applicant will work in the dynamic and international research environment of the HIRI in Würzburg (<https://www.helmholtz-hiri.de>), which is part of the Helmholtz Centre for Infection Research in Braunschweig (<https://www.helmholtz-hzi.de/en/>). The selected applicant will further be embedded within the highly successful structured doctoral training program of the Graduate School Life Sciences (GSLs) Würzburg (<http://www.graduateschools.uni-wuerzburg.de/life-sciences/doctoral-researchers/>).

The Helmholtz Institute for RNA-based Infection Research (HIRI) has been established in May 2017 as joint venture between the Helmholtz Centre for Infection Research (HZI) and the Julius Maximilian University of Würzburg (JMU). Located on the Würzburg medical campus, it is the first research institution worldwide to exclusively address the role of ribonucleic acids (RNAs) in infection processes. Based on these findings, the HIRI will pioneer an integrative approach to exploit the vast potential of RNAs as a diagnostic molecule, target and drug for new strategies to combat infectious diseases. For further information please visit: [www.helmholtz-hiri.de](http://www.helmholtz-hiri.de)

**Qualifications:**

- Master’s Degree in biotechnology, biochemistry, microbiology, molecular biology, or a related field of the life sciences or engineering
- Excellent English communication skills (written and spoken)
- Ability to work independently and as part of an international team
- A strong desire to do research, enthusiastic, creative, and highly self-motivated

Equal Opportunities are part of our personnel policy.

Qualified applicants with a disability will be given preference.



- Starting date:** Any time after 1 July, 2019  
- Initial term 1 year, with the possibility of an extension of additional 2 years -
- Salary:** follows TVöD E13 (50%) with the possibility of an additional payment of 10%
- Probation period:** 6 months
- Published:** March 14, 2019  
**Closing date:** April 22, 2019
- Application:** Applicants are required to complete the online application form here:  
<https://hzi.opencampus.net/> (Please refer to the job number 24/2019.)

For more details regarding the PhD project, please contact Dr. Mathias Munschauer via e-mail:  
[mathias.munschauer@helmholtz-hiri.de](mailto:mathias.munschauer@helmholtz-hiri.de).