



Job announcement No. 25/2019

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: Long non-coding RNA in the host response to infection

Project description:

The research group “LncRNA and Infection Biology” invites talented and highly motivated applicants for a PhD position focused on characterizing how long non-coding RNA (lncRNA) interact with proteins to regulate the host response to infection. The human genome contains thousands of lncRNAs, many of which play important roles during bacterial or viral infections, but their exact functions and biochemical mechanisms remain underexplored. The project will focus on characterizing the protein interaction partners of lncRNA that act in the host response to infection. The successful candidate will help to decipher the genetic code controlling lncRNA function by applying high-throughput techniques in biochemistry, molecular biology, and cell biology. Interested candidates can learn more about the 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

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 25/2019.)

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