The department “RNA-Biology of Bacterial Infection” of Prof. Jörg Vogel at the Helmholtz Institute for RNA-based Infection Research (HIRI) in Würzburg (Germany) is seeking a

**Post-doctoral position: “Innate immune sensing and bacterial RNA” (f/m/d)**

The Helmholtz Institute for RNA-based Infection Research (HIRI) was established in May 2017 as a joint venture between the Helmholtz Centre for Infection Research (HZI) and the Julius-Maximilians-University of Würzburg (JMU). Located on the Würzburg medical campus, it is the first research institution in the world devoted to the role of RNA in infection processes. Based on these findings, the HIRI will pioneer an integrative approach to exploit the vast potential of RNA as a diagnostic, drug, and therapeutic target for new strategies to combat infectious diseases.

[www.helmholtz-hiri.de](http://www.helmholtz-hiri.de)
[www.imib-wuerzburg.de/research/vogel/research](http://www.imib-wuerzburg.de/research/vogel/research)

**Project description:**

Prof. Jörg Vogel is setting up a departmental subgroup to address the full diversity of how different bacterial RNA species, especially transcripts of human microbiota members, are sensed by human cells. This will be an integrative project using RNA deep sequencing (RNA-seq) to establish basic and specific patterns of RNA recognition by human nucleic acid sensors, and state-of-the-art RNA chemistry approaches to identify RNA modifications that may drive these patterns. The underlying idea is to integrate diverse expertise from RNA biology, microbiology, and immunology. The project will be highly interconnected with other research questions pursued in the Vogel lab and involve collaborations with other laboratories.

**Qualifications:**

- PhD or equivalent in molecular biology, microbiology, or immunology genomics
- Previous experience with innate immune sensing is highly desirable
- An interest in performing high-quality, systematic screens and data analysis
- A strong desire to do research
- Enthusiasm, creativity, and strong self-motivation
- Excellent English communication skills (written and spoken)

Equally well-qualified disabled applicants will be given preference. Part time work is possible.

**Starting date:** April 2020, initial term 3 years

**Salary:** E13 TVöD Bund

**Probation period:** 6 months

**Workplace:** Würzburg

**Published:** 21.02.2020

**Closing date:** 22.03.2020
Applications should include a short cover letter, CV without a picture, publication list, copies of relevant documents and contact information for academic references as a single PDF file stating the job announcement No. 29/2020 via E-Mail to JobsHZI@helmholtz-hzi.de.

For informal inquiries, please contact Prof. Jörg Vogel (joerg.vogel@uni-wuerzburg.de).

Please confirm that you have read and understood our privacy policy and that you agree to the processing of your personal data (text module, see privacy policy) when you send us your application documents. Without these declarations, we cannot consider your application or process it further and will immediately delete any application documents already received.