Job posting

**Type of position**
- [x] scientific
- [ ] administrative

**Target group**
- [ ] graduates
- [x] post docs
- [ ] other

**Title**
Postdoctoral researcher (f/m/d) - Interaction between plus-strand RNA viruses and their host cells; SARS-CoV-2 replication organelle

**Institution**
The German Cancer Research Center (DKFZ) is the largest biomedical research institution in Germany. With more than 3,000 employees, we operate an extensive scientific program in the field of cancer research.

**Position**
CoViPa (Corona Virus Pathogenesis) is a newly funded, internationally competitive and interdisciplinary network funded by the Helmholtz Association for the duration of 4 years starting on 1st of August 2021. The main focus of the network is to gain knowledge about the virological and immunological drivers of COVID-19 pathogenesis and the parameters of immune protection.

The Bartenschlager group is studying the interaction between plus-strand RNA viruses and their host cells. One major focus is the 3D architecture, biogenesis and molecular composition of the membranous replication organelles of hepatitis C virus, flaviviruses (dengue virus, Zika virus) and SARS-CoV-2. We use standard molecular and cell biological methods, -omics based approaches (proteomics, lipidomics), genetic screening as well as cutting-edge light and electron microscopy methods (e.g. Cortese et al., 2020; Cerikan et al., 2020; Romero-Brey et al., 2012; Welsch et al., 2009). To complement our research team and to work on the SARS-CoV-2 replication organelle, we are seeking for a highly motivated postdoctoral candidate. Further information about our research can be found at: https://www.klinikum.uni-heidelberg.de/Molecular-Virology.104862.0.html

Detailed project descriptions: https://covipa.dkfz.de

**Responsibilities**
- The candidate works accurately, is able to conduct independent research, but also enjoys working in an international and interdisciplinary environment
- Management of the project (importance of scheduling, deliverables) and reporting to the project leader
- Writing and publishing scientific papers in peer-reviewed journals
- Presenting results at national and international conferences
• Supervision of students and doctoral candidates in degree theses

Requirements

• A Ph.D. (or equivalent degree) in biology or related field with an excellent publication record.
• Strong hands-on experience with cryo-EM, conventional EM and light microscopy.
• Solid experience in state-of-the-art cell and molecular biology techniques.
• Profound knowledge in cell biology.
• Sound knowledge in virology is of advantage.
• Fluency in English language (written and spoken) is mandatory.

Application procedure (deadline etc.)

! Deadline: 2\textsuperscript{nd} of July 2021!

Submission of written applications to the CoViPa Office (covipa-bw@dkfz-heidelberg.de)
The applications will be forwarded to Prof. Dr. Ralf Bartenschlager.

Contact

CoViPa Office
covipa-bw@dkfz-heidelberg.de