OPEN POSITION for a postdoctoral fellow in the research group of Ralf Bartenschlager at Heidelberg University

The Bartenschlager group is studying the interaction between plus-strand RNA viruses and their host cells. One major focus is the cell biology underlying virus – host cell interactions aiming to understand how viruses reprogram cells for robust viral replication and, on the long run, identify possible drug targets for antiviral therapy. As part of that we study 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 interactions between plus-strand RNA viruses with their host cells, we are seeking for a highly motivated postdoctoral candidate. Desired qualifications are:

- A Ph.D. (or equivalent degree) in biology or related field with an excellent publication record.
- Profound knowledge in cell biology.
- Solid experience in state-of-the-art cell and molecular biology techniques.
- Ideally strong hands-on experience with light- and electron microscopy methods, especially cryo-EM
- Sound knowledge in virology is of advantage.
- The candidate works accurately, is able to conduct independent research, but also enjoys working in an international and interdisciplinary environment. He/She is willing to advise students in the lab.
- Fluency in English language (written and spoken) is mandatory.

Further information about our research can be found at:
https://www.klinikum.uni-heidelberg.de/Molecular-Virology.104862.0.html

Candidates interested in this position should send their application as single PDF via Email to Ralf.Bartenschlager@med.uni-heidelberg.de

Deadline for applications is September 19, 2021

References (examples):
- Welsch et al., 2009. Composition and three-dimensional architecture of the dengue virus replication and assembly sites. Cell Host Microbe 5:365-75.