

# INTERNATIONAL IMMUNOLOGY SEMINARS JENA

Topic 2023: Translational Immunology



## Emmanuel Saliba

University of Würzburg

Helmholtz Institute for RNA-based Infection Research

## Identifying host vulnerabilities to infections using single-cell genomics

Wednesday, July 19, 2023, 4:00 pm (CET)

### Hybrid::

SR Dorothy Hodgkin, HKI Biotech Center or

Zoom Meeting Room: <https://uni-jena-de.zoom.us/j/66429496329>

Meeting-ID: 664 2949 6329

Passcode: 726839

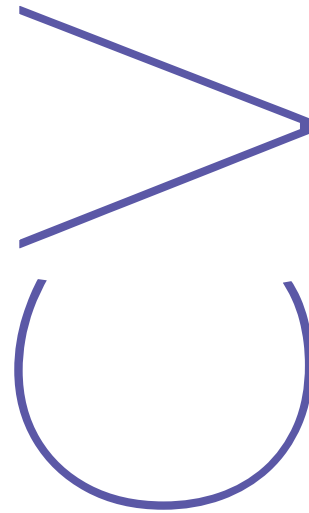
### Organizer:

Christina Zielinski

Infection Immunology, Leibniz-HKI and Friedrich Schiller University Jena

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## Emmanuel Saliba

University of Würzburg

Helmholtz Institute for RNA-based Infection Research (HIRI)

Emmanuel Saliba studied biochemistry and Microbiology at INSA Toulouse (France) and received his PhD at the Institut Curie (Paris, France). During this time, he developed microfluidic-based systems for sorting and analysing rare subpopulations of cancer cells. He joined Jörg Vogel's laboratory in Würzburg as a senior postdoctoral researcher and established single-cell RNA-sequencing to track the fate of individual cells during an infection with *Salmonella enterica*. Since 2017 he has led the Single-cell Analysis group at HIRI where he developed innovative genomics technics to track host-pathogen interactions in time and space. Notably, his group led the development of single-bacteria RNA-seq and RNA metabolic labeling at the single-cell level. Furthermore, his lab has been leading the effort to uncover the pathomechanisms of severe COVID-19. In 2023, Emmanuel Saliba has been appointed in addition as Associate Professor within the Faculty of Medicine of the University of Würzburg to further develop single-cell technologies for infection research..

