

SFB 900 Seminar Series

ALL GUESTS ARE WELCOME

TITLE

Two tales of nanobodies: Dissecting antiviral inflammasomes and SARS-CoV-2 fusion using novel molecular tools..

SPEAKER

Florian I. Schmidt, PhD, Emmy Noether Group Leader,
Institute of Innate Immunity, University Hospitals Bonn,
Germany

LOCATION

Digital Lecture via video conference



04.03.
2021

5.00 PM (s.t.)

» Research of Florian I Schmidt

Molecular Immunology: The innate immune system uses a comprehensive set of sensors and receptors to survey the extracellular and intracellular space for signs of infection or cell damage. We are interested in the cell biology that underlies pathogen and danger detection and the appropriate response. To specifically interfere with and visualize molecular processes in the cell, we generate and use alpaca single domain antibodies (nanobodies or VHHs) targeting the individual components. These will allow us to dissect the complex biological pathways and extract mechanistic information in an unprecedented way.