

SFB 900 Seminar Series

ALL GUESTS ARE WELCOME

TITLE

Bridging Perspectives: Structural Interactomics during Herpesvirus Virion and Assembly Stages.

SPEAKER

Dr. Boris Bogdanow, Structural Interactomics (group of Fan Liu), Leibniz Forschungsinstitut für molekulare Pharmakologie (FMP), Berlin, Germany

LOCATION

Digital Lecture via video conference



03.06.
2021

5.00 PM (s.t.)

» Research of the group of Fan Liu

Nearly every process in the living cell is based on proteins. To precisely execute this plethora of tasks, proteins are highly organized in a variety of assemblies, ranging from stable protein complexes, well-regulated pathways, to extended protein interaction networks. Perturbation of these well-balanced systems is linked to many different physiological and pathological conditions.

Our group is interested in developing and applying tools to characterize the complexity of protein interactions within the cell. Using state-of-the-art mass spectrometric technologies, in particular cross-linking mass spectrometry (XL-MS), we aim to gain a better understanding of protein interactomes in complex biological systems. This allows us to unravel how proteins are spatially organized and dynamically regulated in native cellular context, which is fundamental to the understanding of the molecular physiology of the cell.