

SFB 960-/BZR – Kolloquium

28. November 2017, 17.00 Uhr

Neubau Biologie H53



Dr. Marek Cyrklaff

Universität Heidelberg / Hygieneinstitut
Zentrum für Infektiologie

Cryo-electron tomography and whole cell approach to study pathogens and their hosts

In recent years, novel imaging approaches revolutionised our understanding of the cellular and molecular biology of microorganisms. These include advances in fluorescent probes, dynamic live cell imaging, superresolution light and electron microscopy. Currently, a major transition in the experimental approach shifts electron microscopy studies from a complementary technique to a method of choice for structural and functional analysis. Marek's talk will focus on functional insights into the molecular architecture of viruses, bacteria and parasites as well as interactions with their respective host cells gained from studies using cryogenic electron tomography and related methodologies.

Host: Prof. Christine Ziegler / Dr. Gregor Madej
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