

FOR5200 SEMINAR Series

GUESTS ARE WELCOME

Digital lecture - For access link please contact the DEEP-DV Office

Marco Hein, PhD

Systems Biology & Viruses - Infection and Immunity, Max Perutz Labs & Medical University of Vienna, Austria

Single-cell functional genomics of virus/host systems



Two aspects of virus-host biology are particularly informative for a comprehensive understanding of the processes within an infected cell:
(1) The repurposing and/or counteracting of host pathways by the virus.
(2) The physical reorganization of the host cell upon infection.
The Hein lab studies those complementary aspects using cutting-edge technology. They use CRISPR-based genetic perturbations combined with a single-cell transcriptomics readout to functionally connect host pathways with the stages of the viral life cycle where they play a role. Moreover, they develop proteomics methods to map subcellular architecture and its dynamics upon infection.

**December
5th 2023
3:00 PM**



Disrupt - Evade - Exploit

Gene expression and host response programming in DNA virus infection

DEEP-DV Office

 <https://deep-dv.org/wp/>
 info@deep-dv.org