

FOR5200 SEMINAR Series

GUESTS ARE WELCOME

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

Prof. Dr. rer. nat. Frank Stubenrauch

Institute for Medical Virology and Epidemiology of Viral Diseases, University Hospital and Faculty of Medicine, Eberhard Karls University Tübingen

The papillomavirus E8^ΔE2 repressor protein is required for tumor formation in vivo

The Stubenrauch lab studies the regulation of the different phases of the human papillomavirus (HPV) replication cycle in keratinocyte cells, main constituents of mucosal and cutaneous epithelium, to understand key processes that can be targeted by antiviral compounds. Investigating the viral key replication activators E1 and E2 has identified that HPV encodes E8^ΔE2, an alternative E2 protein. E8^ΔE2 limits viral replication in undifferentiated cells by repressing viral transcription and E1/E2-dependent DNA replication. Using a panel of different technologies, the group has shown that the cellular NCoR/SMRT repressor complex acts as a mediator of E8^ΔE2's repression activities and has thereby opened a new application field for antiviral therapy.



**January 10th
2023
3:00 PM**



Disrupt - Evade - Exploit

Gene expression and host response programming in DNA virus infection

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