

FOR5200 SEMINAR Series

GUESTS ARE WELCOME

Digital lecture - For access please use the following link:

<https://us02web.zoom.us/j/84971120892?pwd=Y0OS3zNnkub62Gt5uXuBgsxrg5hR2m.1>

Prof. Konstantin Sparrer

Group Leader: Regulation and
modulation of anti-viral innate immunity
Institute of Molecular Virology
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Dangerous Roommates? Herpesviruses in the brain

December 2nd 2025 3:00 PM



Viral infections have been recently associated with the development and progression of neuropathological diseases, prominently neurodegenerative disorders. However, the molecular mechanisms, viral and immunological determinants that drive the neuropathological impact are so far little understood. Applying our expertise in viral infections to cerebral organoid models, primary cell cultures and cell lines models we deep dive into the molecular mechanisms defining pathogen-host interactions in the CNS, focusing in particular on inflammation. Our research aims to promote our understanding of neuroinvasive viruses, their molecular pathogenesis and define their impact in neurodegenerative diseases, thus inspiring novel targets for therapy.



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Disrupt - Evade - Exploit

Gene expression and host response programming in DNA virus infection