

SFB 900 SEMINAR SERIES

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TITLE

Using clinical cases to explore herpes simplex virus genetic diversity *in vivo*

SPEAKER

Dr. Moriah L. Szpara
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State University, Pennsylvania, USA

LOCATION

Lecture Hall Q, Building J6
MHH, Carl-Neuberg-Str. 1
Hannover



4.10.
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1.00 PM (s.t.)

» Research of Moriah Szpara:

Herpes Simplex Virus (HSV) has a unique ability to establish lifelong latency in neurons. The consequences of HSV latency for the neurons that harbor this pathogen are not well understood. Our laboratory aims to address this question and search for improved therapeutics using a combination of virology, neurobiology, next generation sequencing technologies, and bioinformatics. We have known for a long time that strains of HSV-1 are genetically variable, and new deep sequencing approaches allow us to fully define these differences and begin to understand how they affect phenotype. We also address the neurobiology of infection using a combination of neuronal cultures, *in vivo* models of infection, and high-throughput measurements of the host response.

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