

SFB 900 SEMINAR SERIES

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TITLE

Cellular and molecular mechanisms of arbo-virus pathogenesis: from models to therapies

SPEAKER

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LOCATION

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



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5.00 PM (s.t.)

» Research of Lisa Ng:

Chikungunya Fever (CHIKF) has emerged as a major threat in South-East (SE) Asia, the Pacific region and Europe. It is caused by an alphavirus, Chikungunya virus (CHIKV) and is transmitted by Aedes mosquitoes. The clinical features of recent acute CHIKV infections have been described, however, the long-term sequelae or the pathogenesis of arthropathy, and the acquisition of protective immunity remains unexplored. There is no specific or effective treatment for CHIKF, and patient management is largely palliative and principally based on anti-inflammatory drugs.

Given the expanding geographic range of CHIKV and its potential to rapidly cause large scale epidemics, it has become important to understand the immune and pathogenic mechanisms active during CHIKV infections in order to guide the development of targeted and effective control and treatment strategies. Efforts are aimed at gathering fundamental knowledge on the immune responses mounted against CHIKV to exploit this to develop new immune-based preventive and treatment strategies.

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