

# SFB 900 SEMINAR SERIES

ALL GUESTS ARE WELCOME



## TITLE

Crosstalk between DNA Damage response  
and innate immunity



## SPEAKER

Prof. Monsef Benkirane  
Head of Laboratory of Molecular Virology, Institut de  
Génétique Humaine, CNS, Montpellier, France



## LOCATION

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



10.01.  
2019

5.00 PM (s.t.)

### » Research of Monsef Benkirane:

Our research projects aim to better understand the interactions between the Human Immunodeficiency Virus type 1 (HIV-1) and the host cell. Therefore, we seek to identify and study the regulation of the activity of cellular factors involved in the activation and repression of viral replication. We are particularly interested in the regulation of the expression of viral genes and the involvement of cellular small non-coding RNAs in virus replication. Indeed, in HIV-infected patients, the viral replication rate, partly controlled by viral genome transcription, is a critical factor in determining the progression of the disease to the AIDS stage.

To investigate the role of chromatin and cellular RNAi machinery in HIV replication, we apply several techniques including proteomic approaches, chromatin immunoprecipitation and quantitative PCR. We also use viruses as tools to understand important cellular processes, such as transcription and RNAi.