

# SFB 900 SEMINAR SERIES

ALL GUESTS ARE WELCOME

## TITLE

Structure-Function Dissection of Pseudorabies  
Virus Glycoprotein B Fusion Loops

## SPEAKER

Dr. Marija Backovic  
Group of Felix Rey, Structural Virology, Institut Pasteur,  
Paris, France

## LOCATION

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



09.11.  
2017

1.00 PM (s.t.)

### » Research of Felix Rey Group:

„We make comparative structural studies in order to understand molecular mechanisms involved in the various steps of the virus cycle“.

The “Unité de Virologie Structurale” or “VIST Unit” study mostly viruses of global public health and/or of veterinary concern. The knowledge gained can be used for translational structure-based design of preventive or curative antiviral agents. Furthermore, these structural studies often provide crucial information about evolutionary relations between apparently unrelated viruses.

The scientific goals of our research are: 1) To provide a structural basis for understanding the molecular mechanisms of membrane fusion used by enveloped viruses to enter a target cell; 2) To understand the assembly of viral capsids and nucleocapsids and 3) to understand the molecular mechanism used by RNA viruses to replicate its genome by both structural and functional studies of RNA-dependent RNA polymerases and associated replication enzymes.