

## SPP1175 Symposium

# “Dynamics of cellular membranes and their exploitation by viruses”

in Heidelberg, Germany in March 2010

### DAY 1 Thursday, March 25<sup>th</sup>, 2010

18:15 Opening remarks

18:30 **KEYNOTE LECTURE – KAI SIMONS**  
Lipid –protein interactions governing raft partitioning in membranes

19:30-21:30 Get together

### DAY 2 Friday, March 26<sup>th</sup>, 2010

#### **ROLE OF ESCRT IN VESICLE AND VIRUS FORMATION**

Chair: Thomas Mertens

09:00-09:40 **Jim Hurley**  
Membrane budding and scission by the ESCRT machinery

09:40-10:20 **Winfried Weissenhorn**  
Structural insight into ESCRT-III function

10:20-10:50 Coffee break

10:50-11:30 **Juan Martin-Serrano**  
Role of the ESCRT machinery in viral budding and cytokinesis

11:30-12:10 **Hans-Georg Kräusslich**

12:10-12:50 **Stephan Becker**  
Filovirus budding: ESCRT and beyond?

12:50-14:00 LUNCH

#### **PROTEIN-LIPID INTERACTIONS**

Chair: Andreas Herrmann

14:00-14:40 **Bob Lamb**

14:40-15:20 **Britta Brügger**  
Protein-lipid interactions within the lipid bilayer

15:20-16:00 **Kay Grünewald**

16:00-16:30 Coffee break

- 16:30-17:10 **Christian Eggeling**  
Nanoscopic membrane interactions studied by far-field fluorescence (STED) nanoscopy
- 17:10-17:50 **Petra Schwille**  
The power of in vitro systems in characterizing protein-lipid interactions

## DAY 3 Saturday, March 27<sup>th</sup>, 2010

### IMAGING OF MEMBRANE DYNAMICS

Chair: Jacomine Krjinse-Locker

- 08:30-09:10 **Carsten Schultz**  
Fluorescent probe development to study membrane biology
- 09:10-09:50 **Beate Sodeik**
- 09:50-10:30 **Dirk Lindemann**  
Membrane interactions of foamy viruses during various steps of their replication cycle
- 10:30-11:00 Coffee break
- 11:00-11:40 **Don Lamb**
- 11:40-12:20 **Miriam Bujny**  
Super-resolution fluorescence microscopy and its application to virus assembly
- 12:20-13:00 **Tom Kirchhausen**  
Dynamics of endocytosis
- 13:40 Closing remarks