

Thursday 25 June 2015

08:45 Opening remarks
S. Schneider-Schaulies/E. Gulbins

Session 1: Sphingolipids in pathogen adhesion, entry and transmission

Chair: J. Schneider-Schaulies/N. Beyersdorf

09:00 Synthetic glycosphingolipids as tools to visualize membrane domains in living cells

Christof Hauck

09:30 *Neisseria meningitidis* differentially activates acid sphingomyelinase and ceramide release to induce its uptake into brain endothelial cells

Alexandra Schubert-Unkmeir

10:00 Sphingomyelinase signaling during gonococcal invasion

Thomas Rudel

10:30 **COFFEE BREAK**

Chair: L. Doelken/S. Schneider-Schaulies

11:00 Lipid Signaling Controls Membrane Penetration of a Non Enveloped Virus

Urs Greber

11:30 Role of sphingolipids in dendritic cell capture and trans infection of HIV-1

Hans-Georg Kraeusslich

12:00 **LUNCH BREAK**

Session 2: Sphingolipids in immune regulation

Chair: E. Gulbins/B. Kleuser

13:00 Exosomes in Alzheimer's disease: novel roles of ceramide in amyloid plaque formation and autoimmunity

Erhard Bieberich

13:30 Targets of Sphingomyelinase-mediated regulation of T cell activation

Nora Mueller

14:00 Role of acid sphingomyelinase in CD4+ regulatory T cells controlling anti-viral immune responses

Juergen Schneider-Schaulies

14:30 Identification of symbiotic glycosphingolipids from gut commensal and their host immunoregulatory actions

Sungwhan Oh

15:00 „Enforced viral replication“ role of sphingolipids

Karl Lang

15:30 **COFFEE BREAK**

Chair: M. Lutz/J. Schneider-Schaulies

16:00 Sphingolipids with defined acyl chain lengths in human disease

Tony Futerman

16:30 Sphingosine 1-phosphate and Dengue

Burkhard Kleuser

17:00 Regulation of staphylococcal infections by sphingolipids

Erich Gulbins

17:30 Regulation of the inflammasome

Alice Prince

18:00 Sphingolipids in autophagy and inflammasome activation

Yang Zhang

Friday 26 June 2015

Session 3: Lipid signaling and lipid/protein interactions

Chair: E. Avota/N. Mueller

09:00 Bacterial detection and response to sphingosine

Matthew Wargo

09:30 Exploring the existence of lipid rafts in bacteria

Daniel Lopez

10:00 How outer leaflet sphingolipid induces inner leaflet ordered membrane domains (rafts)

Erwin London

10:30 **COFFEE BREAK AND POSTER SESSION**

12:00 **LUNCH BREAK**

Chair: T. Rudel/A. Schubert-Unkmeir

13:00 Lipid Protein interactions in Growth Factor Receptor Regulation

Unal Coskun

13:30 Click-chemistry-based lipid tracing to study lipid metabolism and localisation

Anke Penno

14:00 Super-resolution microscopy of plasma membrane domains

Markus Sauer

14:30 **COFFEE BREAK**

Chair: M. Sauer/J. Seibel

15:00 Targeting bacterial exotoxins with liposomes

Annette Draeger

15:30 Regulation of cellular signalling and functions by sphingosine 1-phosphate lyase

Dagmar Meyer zu Heringdorf

16:00 Sphingolipids in neuronal physiology and pathology. Implications for Niemann Pick disease type A

Maria Dolores Ledesma Munoz

16:30 Closing remarks

S. Schneider-Schaulies/E. Gulbins

17:00 **GET TOGETHER**

Venue of Meeting

Julius-Maximilians-University Wuerzburg
Institute for Molecular Infection Biology
(IMIB) Josef-Schneider-Str. 2/Bau D15 97080
Wuerzburg (www.imib-wuerzburg.de)

Charges/Registration

Attendance at the meeting is free of charge. We would appreciate registration of participants before 31. May 2015.

Poster

To submit a Poster please register online before 31. May 2015

Date

25./26. June 2015

Chair

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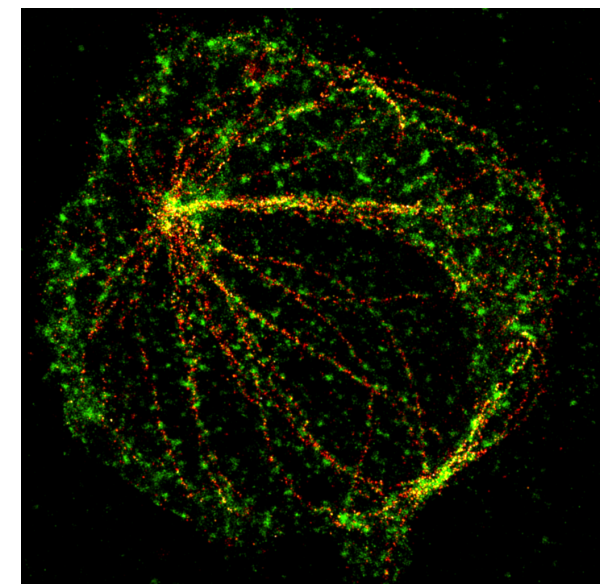
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Sphingolipids in infection and beyond

25-26 June 2015
Wuerzburg, Germany



<http://www.virologie.uni-wuerzburg.de/for2123/workshop/>