Thursday 13 Sept 2012

11:00 registration

Welcome address

Paul Saftig
SFB877: A research consortium dedicated to protease functions

lunch

Proteases in the focus
(Chair: Paul Saftig)

Chris Overall (UBC, Vancouver, Canada)
Dissecting proteolytic signalling pathways in inflammation by terminomics

Poster Session I

Coffee

Carl Blobel (HSS, NY, USA)
ADAMs: key regulators of EGFR signaling

Dinner

“Social come together”
Proteases: Methods and Analysis
(Chair: Andreas Tholey)

Ulrich auf dem Keller (ETH, Zurich, CH)
SkiNterminomics - exploring the wound degradome

Oliver Schilling (ALU, Freiburg, D)
Protease specificity profiling with proteome-derived peptide libraries

Andreas Tholey (CAU, Kiel, D)
Mass spectrometry for the analysis of protease catalyzed reaction

Proteases: Implication in Alzheimer Disease
(Chair: Thomas Braulke)

Bart de Strooper (VIP and KU, Leuven, B)
Intramembrane proteolysis and Alzheimer’s disease

Jean Kanellopoulos (IBBMC, Paris, F)
Biochemical pathways involved in the P2X7R-dependent processing of the amyloid precursor protein

Paul Saftig (CAU, Kiel, D)
ADAM10: Alpha secretase function in the adult brain

Proteases in Cancer and Apoptosis
(Chair: Stefan Schütze)

Henning Walczak (IC, London, UK)
Linear ubiquitin in cell death and inflammation

Bernd Bukau (RKU, Heidelberg, D)
Cellular strategies coping with protein aggregation
Stefan Schütze (UK SH, Kiel, D)
The lysosomal pathway to TNF-R1 mediated apoptosis

Lunch

Proteases: Implication in Disease continued
(Chair: Stefan Rose-John)

2 Christian Haass (LMU, Munich, D)
Novel insights into secretase biology and amyloid β-peptide metabolism

Proteases: A Disintegrin and Metalloproteinases

Marie Kveiborg (BRIC, Copenhagen, DK)
Intracellular regulators of ADAM protein trafficking

Juan Guinea-Viniegra (CNIO, Madrid, Spain)
The TIMP-3/TACE axis in psoriasis-therapeutic implications

Stefan Rose-John (CAU, Kiel, D)
A role of ADAM17 in inflammation and cancer

Coffee + Cakes

Poster session II
Proteases: A Desintegrin and Metalloproteinases continued
(Chair: Karina Reiss)

Daniel Conrad (VCU, Virginia, USA)
ADAM10- a critical regulator for hematopoiesis and immune development

Rik Derynck (UCSF, San Francisco, USA)
Activation of ectodomain shedding by TACE

Karina Reiss (UK SH, Kiel, D)
Regulation of ADAM Activity

Conference Dinner
Saturday 15 Sept 2012

9 am

Coffee + Cakes

Proteases, Infection and Immune System
(Chair: Philip Rosenstiel)

Thomas Renné (CMM, Stockholm, S)
The contact system: a protease cascade with proinflammatory and procoagulant activities.

Wolfgang Garten (PU, Marburg, D)
Host proteases essential for virus replication

Bernd Schröder (CAU, Kiel, D)
In vivo function of the intramembrane protease SPPL2A

Proteases in action
(Chair: Christoph Becker-Pauly)

Marius Lemberg (ZMBH, Heidelberg, D)
Ubiquitin-dependent intramembrane rhomboid protease promotes degradation of membrane proteins

Andre Schütte (Med.Biochem, Gothenborg, S)
Proteases regulate the mucus conversion in the colon

Daniela Dreymueller (RWTH, Aachen, D)
Endothelial ADAM10 and ADAM17 independently promote endotoxin-induced acute lung injury

Lunch
Proteases in action
(Chair: Christoph Becker-Pauly)

Irit Sagi (WIS, Rehovot, Israel)
Biophysical insights into matrix metalloproteinases complex reactions: applications to drug design

Thomas Braulke (UKE, Hamburg, D)
Site-1 protease: Central role in biogenesis of lysosomes

Philip Rosenstiel (CAU, Kiel, D)
Cathepsin K links gut microbial ecology and intestinal inflammation

Christoph Becker-Pauly (CAU, Kiel, D)
It's make or break: meprin metalloproteases induce collagen fibril assembly thereby increasing tensile strength

Poster Session III

Coffee + Cake

Departure: 5 pm