

FRIDAY

9:00 – 10:00 Keynote Lecture

The *Staphylococcus aureus* ClpX chaperone and ClpXP protease *in vitro* and *in vivo*
Prof. Dr. Dorte Frees (Mercator Fellow)

10:00 – 10:30 Coffee break

10:30 – 11:50 Project Presentation

Chair: Sophie Möller

(C1) Functional analysis of proteases of *S. aureus* and phagocytes using proteomics
Hannes Wolfgramm

(C2) Sequence-structure-function analysis of *S. aureus* and *S. pneumoniae* extracellular serine proteases
Jessica von Fournier

(C3) Sequence-structure-function analysis of proteases involved in acute pancreatitis
Christina Möller

(BioIT) Central biostatistics and bioinformatics support
Yonatan Mekkonen

Final Discussion

VENUE

University Greifswald
Main Building,
Aula and Konferenzraum
Domstraße 11
17489 Greifswald

CONTACT

Prof. Dr. Barbara Bröker (spokesperson)

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FUNDING



Proteases in pathogen and host: importance in inflammation and infection – RTG-PRO

Opening Symposium

Research Training Group 2719

18 - 20 May 2022



PROGRAMM

WEDNESDAY

9:00 – 10:00 Welcome

Prof. Dr. Katharina Riedel
Head of University Greifswald

Prof. Dr. Gerald Kerth
Dean of Faculty of Mathematics and Natural
Science

Prof. Dr. Karlhans Endlich
Dean/Scientific Director University Medicine

10:00 – 11:00 Keynote Lecture

The Protease ADAM17 and Interleukin-6 in
Autoimmunity and Cancer
Prof. Dr. Stefan Rose-John (DFG CRC877)

11:00 – 11:30 Coffee break

11:30 – 12:50 Project Presentation

Chair: Michael Lammers

(A1) Proteolytic processing of cytokines of the
IL-1 family regulating the immune response
during experimental pancreatitis
Hala Mazloum

(A2) Properties of allergenic proteases released
by *Staphylococcus aureus*
Christopher Saade

(A5) Jep, a novel serine protease common to
murine *Staphylococcus aureus* isolates –
defining its role in mouse colonization
Shruthi Peringathara

(A6) Role of serine proteases in the
pathophysiology of *Streptococcus pneumoniae*
Supradipta De

12:50 – 13:30 Guest Lecture

The recanalization drug and serine protease
tissue plasminogen activator interfere with
antibacterial phagocyte function
Dr. Antje Vogelgesang

Time for Discussion, Election of Executive Board

14:00 – 16:30 PhD researchers meeting with Guest Scientists

18:00 – 21:00 Official Dinner

Pommersches Landesmuseum,
Rakower Straße

THURSDAY

9:00 – 10:00 Project Presentation

Chair: Jessica von Fournier

(B1) Protein stability in *Staphylococcus aureus*
and its impact on *S. aureus* pathophysiology
Larissa Busch

(B2) Ubiquitination-dependent host cell response
to *Staphylococcus aureus*
Abhishek Singh

(B3) Elucidating structure and function of CE-
clan protease-related bacterial virulence factors
with dual ubiquitin-protease and
acetyltransferase activity
Ole Schmöker

10:00 – 11:00 Keynote Lecture

On the evolution and design of proteins
Prof. Dr. Birte Höcker (University Bayreuth)

11:00 – 11:30 Coffee break

11:30 – 12:50 Project Presentation

Chair: Christopher Saade

(B4) Altered immune responses upon
proteasome impairment
Sophie Möller

(B5) Role of UPS-dependent protein
degradation in *S. pneumoniae*- and *S. aureus*-
induced heart failure
Farshid Oruji

(B6) Roles of phagocyte proteases in defense
against *Mycobacterium tuberculosis*
Faisal Shah

(B7) Endogenous inhibition of cathepsin B
regulates intracellular protease activation during
acute pancreatitis
Saeedeh Asgarbeik

Time for Discussion, Thesis Committee Meetings, Meetings with Guest Scientists