

International Cluster Symposium

February 17/18, 2020

Inflammation Medicine - From Bench to Bedside

Final Colloquium „Inflammation at Interfaces“ & Kickoff „Precision Medicine in Chronic Inflammation“ (PMI)

Conference Language - English



Sunday, February 16, 2020

19:00 – 22:00 h Welcome reception and
Speaker's Dinner
By invitation only

Monday, February 17, 2020

08:00 – 09:00 h Arrival and registration

09:00 – 09:10 h **Welcome address Stefan Schreiber**,
Speaker of the Cluster of Excellence
“Inflammation at Interfaces” and
“Precision Medicine in Chronic
Inflammation”

Session I Final colloquium Cluster of Excellence “Inflammation at Interfaces” – Highlights and achievements

Chairs: **Stefan Schreiber**, Kiel University
Enno Hartmann, University of Lübeck

09:10 – 09:30 h **Stefan Schreiber**, Kiel University
Microbiota as a target in IBD

09:30 – 09:50 h **Stefan Rose-John**, Kiel University
*Blockade of IL-6 Trans-Signaling in
Inflammation and Cancer*

09:50 – 10:10 h **Ralf Ludwig**, University of Lübeck
*Skin Autoimmunity Research within
I@I: Structural Achievements and
Research Highlights*

10:10 – 10:40 h Coffee break / Snacks

Session II High resolution imaging and innovative technologies – From basic science to clinical use

Chairs: **Jörg Köhl**, University of Lübeck
Jan-Bernd Hövener, Kiel University

10:40 – 11:00 h **Robert Huber**, University of Lübeck
Title tbd

11:00 – 11:30 h **Friedrich Feuerhake**, Hannover Medical
School (MHH), Hannover, DE
*Qualitative and quantitative histological
evaluation of inflammation*

11:30 – 12:00 h **Björn Eskofier**, Friedrich-Alexander
University (FAU), Erlangen, DE
*Wearable Computing and Machine
Learning for Digital Health and
Precision Medicine*

12:00 – 12:30 h **Alison Simmons**, University of Oxford,
Oxford, GB
*Mapping Mucosal Cell Remodeling
in Colitis*

12:30 – 13:30 h Lunch break

13:30 – 15:00 h Focused Workshops

Workshop 1 Animal models

Chairs:
Jörg Köhl,
tbd

Impulse talk:
Oliver Pabst req.
Title tbd

Discussion

Workshop 3 Nutrition in personalized medicine

Chairs:
Matthias Laudes,
tbd

Impulse talk:
Jeroen Raes req.
Title tbd

Discussion

Workshop 2 Clinical sequencing

Chairs:
Andre Franke/
Jeanette Erdmann,
tbd

Impulse talk:
Dermont Mc Govern req.
Title tbd

Discussion

Workshop 4 Imaging modalities

Chairs:
Robert Huber,
tbd

Impulse talk:
Björn Eskofier req.
Title tbd

Discussion

15:00 – 15:30 h Coffee break / Snacks

Session III Microbiome as an intervention target – Is it coming?

Chairs: **Philip Rosenstiel**, Kiel University
Hinrich Schulenburg, Kiel University

15:30 – 15:50 h **John Baines**, Kiel University and Max
Planck Institute Plön
*Evolutionary perspectives on gut
microbiome intervention*

15:50 – 16:20 h **Jeroen Raes**, Rega Institute, Leuven, BE
*Quantitative, population-level microbiome
monitoring – the Flemish gut flora project*

16:20 – 16:50 h **Oliver Pabst**, RTWH Aachen University,
Aachen, DE
*Shaping of antibody responses to
the microbiota*

16:50 – 17:10 h **Petra Bacher**, Kiel University
*Human T helper cell responses against
intestinal microbiota*

17:10 – 18:00 h Break (at free disposal)

18:00 – 22:00 h Poster Session & Get-together / Buffet

Tuesday, February 18, 2020

Session IV Genetics and disease behavior – genotype, phenotype, what type?

Chairs: **Stephan Weidinger**, Kiel University
Christine Klein, University of Lübeck

08:30 – 08:50 h **David Ellinghaus**, Kiel University
Transcriptome-wide association studies for seven diseases of the gut-brain axis

08:50 – 09:20 h **Dermont McGovern**, Cedars-Sinai Medical Center, Los Angeles, US
Title tbd

09:20 – 09:50 h **Carl Anderson**, Sanger Institute, Cambridge, GB
Title tbd

09:50 – 10:10 h **Jeanette Erdmann**, University of Lübeck
Is there any news on the genetics of cardiovascular diseases?

10:10 – 10:40 h Coffee break / Snacks

Session V Treatment to target – Biomarker, endophenotyping and stratified medicine

Chairs: **Diamant Thaçi**, University of Lübeck
Ulf Müller-Ladner, University of Gießen

10:40 – 11:00 h **Gabriela Riemekasten**, University of Lübeck
Autoantibodies as biomarkers and pathogenic drivers for precision medicine in inflammation

11:00 – 11:30 h **Philip Helliwell**, University of Leeds, Leeds, GB
Tight control or treat to target in rheumatology

11:30 – 12:00 h **James G. Krueger**, The Rockefeller University, New York, US
Title tbd

12:00 – 12:20 h **Philip Rosenstiel**, Kiel University
Title tbd

12:20 – 13:20 h Lunch break

13:20 – 14:50 h Focused Workshops

Workshop 5 Organoids and stem cells

Chairs: Christine Klein, tbd

Impulse talk: **Alison Simmons** req.
Title tbd

Discussion

Workshop 7 Immunophenotyping and single cell omics

Chairs: Alexander Scheffold, tbd

Impulse talk: **David Klatzmann**
Title tbd

Discussion

Workshop 6 Antibiotic resistance and evolutionary medicine

Chairs: Klaus F. Rabe
Stefan Niemann,
Hinrich Schulenburg,

Impulse talk: **Hinrich Schulenburg**
Charles Darwin meets the antibiotic crisis: can we use evolutionary principles to prevent resistance evolution?

Discussion

Workshop 8 Patient reported outcomes

Chairs: Stefan Schreiber, Andre Franke, Philip Helliwell

Impulse talk: **Philip Helliwell**
Johan Burisch
Title tbd

Discussion

14:50 – 15:20 h Coffee break / Snacks

Session VI Predictors of response and treatment optimization in PMI

Chairs: **Bimba Hoyer**, Kiel University
Christian Sadik, University of Lübeck

15:20 – 15:40 h **Diamant Thaçi**, University of Lübeck
Title tbd

15:40 – 16:10 h **Ursula Grohmann**, University of Perugia, Perugia, IT
Immune checkpoint molecules and personalized medicine in autoimmune diabetes and neuroinflammation

16:10 – 16:40 h **Emma Guttman**, Mount Sinai Hospital, New York, US
Title tbd

16:40 – 17:10 h **David Klatzmann**, Sorbonne University, Paris, FR
tbd

17:10 – 17:35 h **Closing remarks and Poster Awards**
Stefan Schreiber

17:35 – 18:30 h Snacks break / Refreshing drinks

18:30 – 20:30 h Parallel Sponsored Clinical Sessions

Session I IL-4 and IL-13 in focus: new therapies for atopic dermatitis and asthma

sponsored by



Chairs: **Diamant Thaçi**, University of Lübeck
Klaus F. Rabe, LungenClinic Grosshansdorf

Welcome: Diamant Thaçi

Tandem talk: Lunge vs Haut Komorbidität und Therapie – was ist gleich, was ist anders?
Diamant Thaçi, Klaus F. Rabe (language: German)

State-of-the-Art-Talk (language: English)

Emma Guttman, Mount Sinai Hospital, New York, US
The road towards a personalized medicine approach in atopic dermatitis
Luca Richeldi, A. Gemelli University Hospital - IRCCS, Rome, IT
Precision Medicine in interstitial lung diseases

Summary and Discussion
Diamant Thaçi
Klaus F. Rabe

20:30 h

Snacks and collegial exchange

Session II TNF and IL-23 in focus: new therapies for CED, rheumatoid arthritis and psoriasis

sponsored by



Chairs: **Stefan Schreiber**, Kiel University
Bimba F. Hoyer, Kiel University

Welcome: Stefan Schreiber

Tandem talk: Gastro vs Rheuma Therapie und Komplikationsmanagement – Gemeinsamkeiten und Unterschiede
Stefan Schreiber, Bimba F. Hoyer (language: German)

State-of-the-Art-Talk (language: English)

James G. Krueger, The Rockefeller University, New York, US
Psoriasis from the perspective of precision medicine in chronic inflammation
Johan Burisch, Hvidovre Hospital, DK
eHealth and individualized monitoring in inflammatory bowel disease

Summary and Discussion
Stefan Schreiber
Bimba F. Hoyer