

INVITATION

Welcome to Berlin! On behalf of the Collaborative Research Center SFB-TR84 "Innate Immunity of the Lung: Mechanisms of Pathogen Attack and Host Defense in Pneumonia" we cordially invite you to join us for our 3rd International Conference on "Innate Immunity of the Lung - Improving Pneumonia Outcome" which will take place from September 17-19, 2020 in Berlin, Germany. The conference will be flanked by an "Advanced Imaging Workshop" from September 14-16, 2020 aiming at education of young scientists.

MICROSCOPY-WORKSHOP

Charité – Zeiss "Advanced Imaging Workshop"

Time: September 14-16, 2020

Organizer: MultiDim, SFB-TR84

INFORMATION AND REGISTRATION

Registration is free of charge.
Timely registration is required for the conference and the workshop organization. To register please go to pneumonia2020.org



Deadlines:

- ⇒ for Abstract submission: July 31, 2020
- ⇒ for Registration: August 15, 2020

COORDINATION

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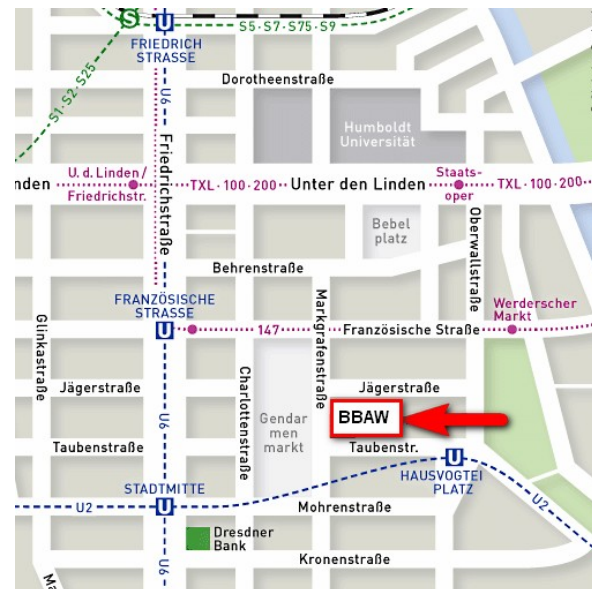
SFB-TR 84 "Innate Immunity of the Lung"

Charité - Universitätsmedizin Berlin

Augustenburger Platz 1, 13353 Berlin, Germany

CONFERENCE VENUE

The Symposium will be held at The Berlin-Brandenburg Academy of Sciences (BBAW) located at Gendarmenmarkt in the historic center of Berlin. Historic sights including Brandenburger Tor, Checkpoint Charlie, the Konzerthaus, the French and the German Cathedrals, and world renown museums are within walking distance.



http://www.bbaw.de/service/lageplan_anfahrt

To get to BBAW, 10117 Berlin, Markgrafenstraße 38

- **Tegel Airport:** Bus TXL → Station Friedrichstraße/ Unter den Linden
- **Schönefeld Airport:** S9 or RE7 or RE14 to Alexanderplatz, change to metro U2 (to Ruhleben) → Station Hausvogteiplatz



berlin-brandenburgische
AKADEMIE DER WISSENSCHAFTEN

3rd INTERNATIONAL CONFERENCE

INNATE IMMUNITY OF THE LUNG – IMPROVING PNEUMONIA OUTCOME

Berlin - Gendarmenmarkt,
September 17 - 19, 2020



glint-berlin.de

organized by
Transregional Collaborative
Research Center SFB-TR 84



supported by
The German Academy of Science
Leopoldina



ORGANIZING COMMITTEE

Norbert Suttrop, Andreas Diefenbach, Stefan Hippenstiel, Andreas Hocke, Wolfgang Kübler, Bastian Opitz, Leif Erik Sander, Antigoni Triantafyllou and Martin Witznath (Charité - Universitätsmedizin Berlin), Susanne Herold and Trinad Chakraborty (Justus-Liebig-University Giessen), Bernd Schmeck (Philipps University Marburg)

CONFIRMED KEY SPEAKERS

- ⇒ Janelle Ayres (USA)
- ⇒ Elie El Agha (Germany)
- ⇒ Christian Drosten (Germany)
- ⇒ Joe GN Garcia (USA)
- ⇒ Birgitta Henriques-Normark (Sweden)
- ⇒ Stefan HE Kaufmann (Germany)
- ⇒ Mirjana Kessler (Germany)
- ⇒ Christoph Klose (Germany)
- ⇒ Martin Korte (Germany)
- ⇒ Florian Krammer (USA)
- ⇒ Jens Kurreck (Germany)
- ⇒ Jürgen Lohmeyer (Germany)
- ⇒ Andrew McKenzie (UK)
- ⇒ Peter Openshaw (UK)
- ⇒ Eric Pamer (USA)
- ⇒ Andrew Pollard (UK)
- ⇒ Antoine-Emmanuel Saliba (Germany)
- ⇒ Herbert Schiller (Germany)
- ⇒ Hans Schnittler (Germany)
- ⇒ Michael Siewecke (Germany)
- ⇒ Miguel P Soares (Portugal)
- ⇒ Peter Stäheli (Germany)
- ⇒ Sebastian Weis (Germany)
- ⇒ William Zacharias (USA)

SCIENTIFIC PROGRAM

THURSDAY, 17-SEP-2020

1. The clinical need	09:00-09:30
Unmet medical need in pneumonia care 2020	Jürgen Lohmeyer
2. Host - pathogen Interaction	09:30-11:30
Pneumococcal interactions with the host	Birgitta Henriques-Normark
Single-cell RNA-seq reveals the complexity and heterogeneity of infection processes	Antoine-Emmanuel Saliba
Surface protection by interferon-λ	Peter Stäheli
3. Deconstructing the lung	11:30-12:30
Self-renewal and identity of alveolar macrophages	Michael Siewecke
Deconstructing lung cell plasticity - from cell atlasing efforts towards perturbation screens in organotypic ex vivo models	Herbert Schiller
Poster Presentation (even no.)	12:30-14:30
4. Modeling lung infection	14:30-16:00
Learning about innate immunity by experimental infection of volunteers	Peter Openshaw
Infection Studies on Bioprinted 3D Lung Models	Jens Kurreck
Infection models in human adult stem cell-derived organoids - pneumonia perspectives	Mirjana Kessler
5. Barrier dysfunction	16:30-18:00
DAMPening inflammatory lung edema via cytoskeletal and innate immunity targeting	Joe GN Garcia
Subcellular control of endothelial cell junctions, an enhanced model for regulating integrity	Hans Schnittler
CFTR, a key regulator of barrier function in lung inflammation and infection	Wolfgang Kübler
Leopoldina Evening Lecture	18:30-19:30
Infection biology: from bench, computer and bedside	Stefan HE Kaufmann

FRIDAY, 18-SEP-2020

6. Plasticity of innate immune cells	09:00-09:30
Interleukin-33-mediated induction of the enzyme tryptophan hydroxylase 1 promotes inflammatory ILC2 responses and type 2 immunity	Christoph Klose

6. Plasticity of innate immune cells	09:30-10:30
Illuminating innate lymphoid cell development and function	Andrew McKenzie
Macrophage plasticity in lung injury and repair	Susanne Herold
7. Tolerance & resilience	11:00-12:30
Metabolic reprogramming as a defense strategy against infection	Miguel P. Soares
Host-microbiome interactions: harnessing co-evolution to treat disease	Janelle Ayres
Disease tolerance in sepsis	Sebastian Weis
Poster Presentation (odd no.)	12:30-14:30
8. Vaccine	16:30-18:00
Research into policy: measuring impact of pneumococcal vaccines in Nepal	Andrew Pollard
Development of a universal influenza virus vaccine based on the stalk domain of the hemagglutinin	Florian Krammer
Beyond antibodies: Dissecting human immune responses to live attenuated vaccines	Leif Erik Sander
Get to gether	18:30-22:00

SATURDAY, 19-SEP-2020

9. Regeneration of the lung	09:00-10:00
Transient reprogramming of niche cells facilitates airway epithelial regeneration	Elie El Agha
Defining the epigenetic state of alveolar progenitors during regeneration after influenza	William Zacharias
10. Microbiota - organ crosstalk	10:00-12:00
Long-term neuroinflammation induced by influenza a virus infection	Martin Korte
Intestinal microbes and resistance to respiratory infection	Eric Pamer
The microbiota in pneumonia: from protection to predisposition	Bastian Opitz
11. Wrap up	12:00
Pneumonia - past and future	Norbert Suttrop
Covid19 - lessons learned	Christian Drosten

We look forward
to welcoming you in Berlin
for pneumonia2020.org