3rd INTERNATIONAL CONFERENCE INNATE IMMUNITY OF THE LUNG -**IMPROVING PNEUMONIA OUTCOME**

> Berlin - Gendarmenmarkt. September 08–10, 2022



image: glint-berlin.de

organized by **Transregional Collaborative Research Center SFB-TR 84**



Leopoldina Nationale Akademie der Wissenschaften

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 08-10, 2022 in Berlin, Germany.

INFORMATION AND REGISTRATION

Registration is free of charge. Timely registration for the conference is recommended.

For more information, please visit pneumonia2022.org.

ORGANIZING COMMITTEE

Norbert Suttorp, Andreas Diefenbach, Stefan Hippenstiel, Andreas Hocke, Wolfgang Kübler, Bastian Opitz, Leif Erik Sander, Antigoni Triantafyllopoulou and Martin Witzenrath (Charité - Universitätsmedizin Berlin), Susanne Herold and Chakraborty (Justus-Liebig-University Trinad Gießen), Bernd Schmeck (Philipps University Marburg).

COORDINATION

Anna Oswald, M.A. and Katharina Richter, M.A.: sfb-tr84@charite.de SFB-TR 84 "Innate Immunity of the Lung"

Charité - Universitätsmedizin Berlin Augustenburger Platz 1, 13353 Berlin, Germany

The symposium will be held at the Berlin-Brandenburg Academy of Sciences and Humanities (BBAW) located at Gendarmenmarkt in the historic center of Berlin. Historic sites including Brandenburg Gate, Checkpoint Charlie, the Konzerthaus Berlin, the French and the German Cathedrals. and world-renowned museums are within walking distance.

CONFERENCE VENUE



Entrance at Markgrafenstraße 38, 10117 Berlin.



HelmholtzZentrum münchen German Research Center for Environmental Health













SCIENTIFIC PROGRAM

Thursday, 08-Sep-2022	
The clinical need	09:00-09:30
Medical need in pneumonia care	Martin Witzenrath
Host-pathogen interaction	09:30-10:30
Single-cell RNA-seq reveals the complexity and heterogeneity of infection processes	Antoine-Emmanuel Saliba
Phenotypic characterization of variants of SARS-CoV-2	Christian Drosten*
Modeling lung infection	11:00-12:30
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
Poster presentations	13:00-14:30

*virtual talk

Barrier dysfunction	14:30-16:00
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
Deconstructing the lung	16:30-17:30
	Michael Sieweke
Self-renewal and identity of alveolar macrophages	
•	Herbert Schiller
macrophages Deconstructing lung cell plasticity - from cell atlasing efforts towards perturbation	



For more information, please scan the QR code

CHARITÉ

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Universität Marburg

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Friday, 09-Sep-2022	
Plasticity of innate immune cells	09:00-10:00
Non-redundant functions of group 2 innate lymphoid cells	Christoph Klose
Macrophage plasticity in lung injury and repair	Susanne Herold
Host-pathogen interaction	10:00-10:30
Pneumococcal interactions with the host	Birgitta Henriques- Normark
Tolerance & resilience	11:00-12:00
Disease tolerance in sepsis	Sebastian Weis
Metabolic reprogramming as a defense strategy against infection	Miguel P. Soares
Photo session	12:00-12:30
Poster presentations	13:00-14:30
Best abstract of poster presentation	14:30-16:00
Vaccine	16:30-18:00
Research into policy: measuring impact of pneumococcal vaccines in Nepal	Andrew Pollard*
	Florian Krammer
Development of a universal influenza virus vaccine based on the stalk domain of the hemagglutinin	
vaccine based on the stalk domain of the	Leif Erik Sander
vaccine based on the stalk domain of the hemagglutinin Innate and adaptive immune responses to	

Saturday, 10-Sep-2022	
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
Microbiota - organ crosstalk l	10:00-10:30
Intestinal microbes and resistance to respiratory infection	Eric Pamer
Microbiota - organ crosstalk II	11:00-11:30
The microbiota in pneumonia: from protection to predisposition	Bastian Opitz
Microbiota - organ crosstalk III	11:30-12:00
Long-term neuroinflammation induced by influenza A virus infection	Martin Korte
Wrap up	12:00-12:30
Pneumonia - past and future	Norbert Suttorp
*virtual talk	

We are looking forward to welcoming you to Berlin!









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