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STAPH-2025

SCIENTIFIC PROGRAM



4th International Virtual Conference on

Staphylococcal Infections

July 08-09, 2025 | Virtual

Timezone: Eastern Time (US & Canada)

Conference Chair: Prof. Friedrich Götz, University of Tübingen, Germany

Email: staph@uniscigroup.org

Web: <https://staph.unitedscientificgroup.org/>

Join Zoom Live Stream

To be updated

Meeting ID: 000000

Passcode: 00000

09:00–09:10 Welcome & Introduction by
Prof. Friedrich Götz, University of Tübingen, Germany

Clinical View of Pathogen – Host – Treatment

Chair: **Danai Etter**, LMU Munich, Germany

09:10–09:40 **The National Genomic Surveillance Identified *S. aureus* ST764–SCCmecII High Risk Clone in Bloodstream Infections**

Motoyuki Sugai, National Institute of Infectious Diseases, Japan

09:40–10:10 **Understanding *S. aureus* Bloodstream Infection Outcomes: A Clinical View on Host, Pathogen, and Management Factors**

Siegbert Rieg, University of Freiburg, Germany

10:10–10:40 **Host and Antibiotic Jointly Select for Greater Virulence in *Staphylococcus aureus***

Timothy D Read, Emory University School of Medicine, GA, USA

10:40–11:10 **Who Destroys Bone in *S. aureus* Septic Arthritis – the Bug or the Body?**

Tao Jin, University of Gothenburg, Sweden

11:10–11:30 Discussion

11:30–11:40 Break

CF Airway infection: Interaction Pseudomonas–Staphylococcus & Adaptation to and Evasion From Host Response

Chair: **Davide Campoccia**, Rizzoli Orthopedic Institute, Italy

11:40–12:10 **Uncovering New Aspects of *S. aureus*–*P. aeruginosa* Interactions**

Paula M. Tribelli, University of Buenos Aires, Argentina

12:10–12:40 ***Staphylococcus aureus* Killing by Neutrophils Is Impaired by the Cystic Fibrosis Airway Environment**

Balazs Rada, The University of Georgia, GA, USA

12:40–13:10 **Epigenetic Mechanisms in Host Defense Against *S. aureus***

Nadejda Berkova, INRAE, France

13:10–13:40 ***Staphylococcus aureus* and *Pseudomonas aeruginosa* in Cystic Fibrosis–Related Lung Infections**

Karen Moreau, Lyon1 University, CIRI, France

13:40–14:00 Discussion

14:00–14:10 Break

14:10–14:40 **Transcriptional Adaptation of *Staphylococcus epidermidis* to Human Skin and the Nasal Niche: Insights from In-vivo and Ex-vivo Analyses**

Marc Burian, RWTH University Hospital Aachen, Germany

14:40–15:10 **Adaptations of *Staphylococcus aureus* to the Lipid-Rich Host Environment**

Martin McGavin, Schulich School of Medicine & Dentistry, Canada

15:10–15:40 **ARLRS Two-Component System of *Staphylococcus aureus* is Required for Intracellular Bacterial Replication in Kupffer Cells**

Bas Surewaard, University of Calgary, Canada

15:40–16:10 ***Staphylococcus aureus* Targets the Host γ -glutamyl Cycle to Scavenge Nutritional Sulfur During Infection**

Neal D Hammer, Michigan State University, MI, USA

16:10–16:40 **Extracellular Proteases of *Staphylococcus aureus* – More than Break Down of Host Proteins**

Barbara Bröker, University Medicine Greifswald, Germany

16:40 Day 1 Concluding Remarks

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09:30–09:40 Day 2 Opening Remarks

Molecular Interaction with Host Receptors

Chair: **Susanne Engelmann**, Helmholtz Centre for Infection Research, Germany

09:40–10:10 **Neurotransmitter-Producing Commensal *Staphylococci* at the Interface of Host Metabolism**
Samane Rahmdel, University of Tübingen, Germany

10:10–10:40 **The Multifaceted Activities of *Staphylococcus aureus* Lipoproteins (Lpp)**
Friedrich Götz, University of Tübingen, Germany

Regulation and Genome

10:40–11:10 **The Regulation of Virulence in *S. aureus* by the Long Regulatory RNA SSR42**
Lindsey Shaw, University of South Florida, FL, USA

11:10–11:40 ***Staphylococcus* Genomes in BioCyc.org**
Peter Karp, SRI International, CA, USA

11:40–12:00 Discussion

12:00–12:10 Break

New Antimicrobials and Strategies

Chair: **Will Beavers**, LSU School of Veterinary Medicine, LA, USA

12:10–12:40 **Therapeutic Potential of Staphylococcal Phages: DUOFAG® Phase I Clinical Trial**
Dana Štveráková, MB PHARMA s.r.o., Czech Republic

12:40–13:10 **Inhibition of Alpha-hemolysin with Small Molecules to Ameliorate *Staphylococcus aureus* Lung Infections**
Mark Bronstrup, Helmholtz Centre for Infection Research, Germany

13:10–13:40 **Towards the Development of New-Generation Sustainable Antibiotics that can be Activated with Light**
Jan Maarten van Dijk, University of Groningen, Netherlands

13:40–14:10 **Cell Penetrating Peptide to Improve the Efficacy of Conventional Antibiotics for the Treatment of Drug Resistant and Intra-Cellular *Staphylococcus aureus***
Hemraj S Nandanwar, CSIR- Institute of Microbial Technology, India

14:10–14:30 Discussion

14:30 Concluding Remarks

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