

WSC Spotlight: Novel Therapeutic and Diagnostic Approaches for COVID-19 and Sepsis

A Free Online Congress by
the Global Sepsis Alliance

To be held completely online
on April 27, 2022

Information and free registration:
wscspotlight.org

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Welcome to the WSC Spotlight: Novel Therapeutic and Diagnostic Approaches for COVID-19 and Sepsis

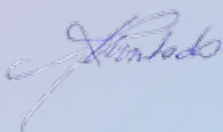
The world is rapidly changing - and the challenges for the delivery of medical care growing. Last year's optimism that the COVID-19 pandemic would soon come to an end has now been replaced with the understanding that we need to build knowledge and develop new treatment modalities. The pandemic has generated global awareness around how an infectious insult may cause the patient to rapidly deteriorate and possibly die, a process which has been known to global experts as sepsis for many decades.

The Global Sepsis Alliance will address the need for global education around strategies in the management of sepsis - whether caused by the SARS-CoV-2 virus or not - in the post-pandemic era with a World Sepsis Congress Spotlight on April 27, 2022. Our aim is to cover all topics covering the constellation of threatening infections and our bodies' response to them, with the provision of state-of-the-art emerging knowledge.

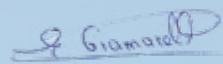
The Congress Program has been drafted to cover all novel aspects of our understanding of bacterial and viral sepsis from new methods of diagnosis and risk assessment to novel treatment modalities - taking into consideration the need to bring together a representative faculty of experts from all continents. We are aware that the COVID-19 pandemic has resulted in a, yet undefined, change of the world map of antimicrobial resistance. Our WSC Spotlight aims to present sepsis and infection in the landscape of the challenges of antimicrobial resistance - and to propose solutions.

Bacterial and viral sepsis are emerging threats to society. The role of modern healthcare providers is to gain a thorough understanding of the challenges and to deal with them in a strategic and holistic manner. Education is the only way. We at the Global Sepsis Alliance feel proud to present a complete and up-to-date program meeting these needs.

As Program Chairs, we cordially invite you to join us for this free online congress at wscspotlight.org on April 27, 2022.



Flavia Machado
Program Chair
Vice President Global Sepsis Alliance
Brazil



Evangelos J. Giamarellos-Bourboulis
Program Chair
Chair European Sepsis Alliance
Greece

Scientific Committee:

Simon Finfer, Shevin Jacob, Tex Kissoon, Imrana Malik,
Konrad Reinhart, Luregn Schlapbach, Manu Shankar-Hari,
Louise Thwaites, Tom van der Poll

Project Manager:

Marvin Zick

<p>Session 1:</p> <p>Could Enhanced Pathogen Diagnostics Change Sepsis Management?</p> <p>09:00h Berlin Time</p>	<p>Session 2:</p> <p>Biomarkers in the Diagnosis and Management of Sepsis and COVID-19</p> <p>11:00h Berlin Time</p>	<p>Session 3:</p> <p>Panel: Knowledge from COVID-19 to Improve Sepsis Care and Vice Versa</p> <p>12:30h Berlin Time</p>	<p>Session 4:</p> <p>How to Make the Most of Existing and Frugal Technologies</p> <p>14:00h Berlin Time</p>
<p>Session 5:</p> <p>Antibiotics and Antivirals - How to Improve Efficacy and to Minimize Harm</p> <p>15:30h Berlin Time</p>	<p>Session 6:</p> <p>Update on Adjunctive Sepsis and COVID-19 Therapies</p> <p>17:00h Berlin Time</p>	<p>Session 7:</p> <p>Pro-Con: Are Personalized Interventions in Sepsis Even Possible?</p> <p>18:30h Berlin Time</p>	<p>Session 8:</p> <p>Innovations in Quality Improvement Strategies in All Settings</p> <p>19:30h Berlin Time</p>

Session 1: Could Enhanced Pathogen Diagnostics Change Sepsis Management?

Wednesday, April 27
 at 09:00h Berlin Time
 (click to see your local time zone)

Opening Remarks: Evangelos J. Giamarellos-Bourboulis, Program Chair
 Moderator: Louise Thwaites, Oxford University Clinical Research Unit, Vietnam

09:05h Berlin Time

Keynote: The Role of Science and Novel Technologies to Combat 21st Centuries Health Threats
 Peter Hotez, Baylor College of Medicine & Texas Children’s Hospital, USA

09:20h Berlin Time

What Is Missing in Surveillance of AMR Bacteria in Hospitals in LMICs and HICs?
 Direk Limmathurotsakul, Mahidol-Oxford Tropical Medicine Research Unit, Thailand

09:35h Berlin Time

Rapid Multiplex Diagnostic Evaluation for Sepsis Using Isothermal Rolling Circle Amplification (RCA)
 Eran Zahavy, BATM Advanced Communications, Israel

09:50h Berlin Time

Sepsis Diagnosis with a Cell-Free DNA Sequencing Approach
 Maiwenn Kersaudy-Kerhoas, Heriot-Watt University, Scotland

10:05h Berlin Time

Developing a Target Product Profile for Sepsis Diagnostic Platforms Applicable to High Global Sepsis Burden Settings
 Cecilia Ferreyra, Foundation for Innovative New Diagnostics, Switzerland

10:20h Berlin Time

Accessible and Affordable Scale-up of Diagnostics for Sepsis in Africa
 Cheikh Tidiane Diagne, Institut Pasteur, Senegal

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Session 2: Biomarkers in the Diagnosis and Management of Sepsis and COVID-19

Wednesday, April 27
at 11:00h Berlin Time
(click to see your local time zone)

Moderator: **Binila Chacko, Christian Medical College Vellore, India**

11:00h Berlin Time

Host Response Biomarkers in Sepsis and COVID-19:
What Are the Differences?
Tom van der Poll, Amsterdam UMC, University of Amsterdam, The Netherlands

11:15h Berlin Time

Blood Transcriptomics in Sepsis and COVID-19: What Have We Learned?
Brendon Scicluna, University of Malta, Malta

11:30h Berlin Time

The Procoagulant States of Sepsis and COVID-19: How Alike Are They?
Marie Scully, University College London Hospitals, United Kingdom

11:45h Berlin Time

Biomarkers of Endothelial Activation and Function in Sepsis and COVID-19: Guide
for Targeted Therapy?
Peter Pickkers, Radboud University Nijmegen, The Netherlands

12:00h Berlin Time

Procalcitonin in Sepsis and COVID-19: When Should We Use It?
Evdoxia Kyriazopoulou, University of Athens, Greece

Session 3: Knowledge from COVID-19 to Improve Sepsis Care and Vice Versa

Wednesday, April 27
at 12:30h Berlin Time
(click to see your local time zone)

Panel Discussion

Moderator: **Madiha Hashmi, Ziauddin University, Pakistan**

12:30h Berlin Time

Why Severe COVID-19 Belongs Under the Umbrella of Sepsis
Janet Diaz, World Health Organization, Switzerland

12:35h Berlin Time

Novel Insights in the Pathophysiology of Sepsis and Its Sequelae by COVID-19
Hallie Prescott, University of Michigan, United States of America

12:40h Berlin Time

The Role of Policymakers and Media for Awareness and Management of Pandemics
and Sepsis
Abdulelah Alhawsawi, Global Sepsis Alliance, Saudi Arabia

12:45h Berlin Time

The Challenges to Evaluate Novel Therapeutic Approaches During Pandemics
Nils Riedemann, InflaRx, Germany

12:50h Berlin Time

Lessons Learned by Researches in LMICs
Flavia Machado, Global Sepsis Alliance, Brazil

12:55h Berlin Time

Discussion by the Panelists

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Session 4: How to Make the Most of Existing and Frugal Technologies

Wednesday, April 27
 at 14:00h Berlin Time
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Moderator: **Traci Wolbrink, Harvard Medical School, United States of America**

14:00h Berlin Time

Point-Of-Care Peritoneal Dialysis - A Cost Effective, Greener Alternative for Renal Replacement Therapy
John Knight, George Institute for Global Health, Australia

14:15h Berlin Time

Wearable Devices for Sepsis Care in Low-Resource Settings - Getting Past the Noise
Louise Thwaites, Oxford University Clinical Research Unit, Vietnam

14:30h Berlin Time

Neonatal Technologies: From Development to Prime Time
Rishi Kamaleswaran, Emory University, United States of America

14:45h Berlin Time

From Triage to Follow-Up Care: Smart Quality Improvement
Mark Ansermino, Center for International Child Health, Canada

15:00h Berlin Time

The Strengths and Limitations of Adopting Technology for Sepsis Management in LMICs - Lessons Learned From Experiences With Point-Of-Care Ultrasound
Liz Joeques, Liverpool School of Tropical Medicine, United Kingdom

Session 5: Antibiotics and Antivirals - How to Improve Efficacy and to Minimize Harm

Wednesday, April 27
 at 15:30h Berlin Time
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Moderator: **Lowell Ling, Asia Pacific Sepsis Alliance, Hong Kong**

15:30h Berlin Time

PK/PD to Combat Antimicrobial Resistance
Alex Soriano, Hospital Clinic Barcelona, Spain

15:45h Berlin Time

Meropenem/Vaborbactam: A New Weapon in the ICU
Mario Tumbarello, University of Siena, Italy

16:00h Berlin Time

Remdesivir and Novel Antivirals: Is It Prime Time?
Matteo Bassetti, University of Genoa, Italy

16:15h Berlin Time

Colistin and Fosofmycin: The End of an Era or the Requisition of Potent Drugs?
Ana Gales, Federal University of São Paulo, Brazil

16:30h Berlin Time

Procalcitonin for Early Stop of Antibiotics: Antimicrobial Stewardship and Impact on Outcome
Mihaela Lupse, Iuliu Hațieganu University of Medicine and Pharmacy Cluj-Napoca, Romania

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Session 6: Update on Adjunctive Sepsis and COVID-19 Therapies

Wednesday, April 27
 at 17:00h Berlin Time
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Moderator: **Luis Antonio Gorordo Del Sol, Global Sepsis Alliance, Mexico**

17:00h Berlin Time

Lessons From COVID - What We Can Pick From COVID and Test for Sepsis in the Future?
Sheila Myatra, Tata Memorial Hospital, India

17:15h Berlin Time

Anakinra Treatment - Which COVID-19 Patients Benefit?
Evangelos J. Giamarellos-Bourboulis, European Sepsis Alliance, Greece

17:30h Berlin Time

Vilobelimab Phase III Study in COVID-19 Sepsis
Alexander Vlaar, Amsterdam UMC, The Netherlands

17:45h Berlin Time

The Approach to Immunomodulatory and Adjunctive Therapy in Children with Sepsis
Luregn Schlapbach, Global Sepsis Alliance, Switzerland

18:00h Berlin Time

The Approach to Immunomodulatory and Adjunctive Therapy in Adults with Sepsis
Sarah Sasson, University of New South Wales, Australia

Session 7: Pro-Con: Are Personalized Interventions in Sepsis Even Possible?

Wednesday, April 27
 at 18:30h Berlin Time
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Panel Discussion

Moderator: **Teresa Kortz, University of California, United States of America**

18:30h Berlin Time

Pro: We Can Use Biomarkers to Translate Host Information Into Medical Intervention
Mihai Netea, Radboud University, The Netherlands

18:45h Berlin Time

Con: It Is Impossible to Transfer Existing Evidence to Clinical Routine
Lorraine Ware, Vanderbilt University, United States of America

19:00h Berlin Time

A Pragmatic Balance: Where Does Current Knowledge Lead Us?
Nuala Meyer, Hospital of the University of Pennsylvania, United States of America

19:15h Berlin Time

Discussion by the Panelists

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Session 8: Innovations in Quality Improvement Strategies in All Settings

Wednesday, April 27
 at 19:30h Berlin Time
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Moderator: *Alison Fox-Robichaud, Global Sepsis Alliance, Canada*

19:30h Berlin Time

Todo sobre mi madre - Empowering the Parents, Empowering the Patient
Jos Latour, University of Plymouth, United Kingdom

19:45h Berlin Time

Using AI to Improve Sepsis Management - Lessons Learned From Development and Implementation of the Artificial Intelligence Clinician
Aldo Faisal, Imperial College, United Kingdom

20:00h Berlin Time

Improving Early Recognition of Pediatric Sepsis by Digital Support Systems
Fran Balamuth, Children's Hospital of Philadelphia, United States of America

20:15h Berlin Time

Untangling Sepsis Heterogeneity - Applying Data-Driven Phenotypes to Future Trial Design
Chris Seymour, University of Pittsburgh, United States of America

20:30h Berlin Time

Prioritizing Quality Improvement for Sepsis in Emergency Medicine
Annet Alenyo, African Federation of Emergency Medicine, Uganda

Closing Remarks:
 Flavia Machado, Program Chair & Niranjan 'Tex' Kissoon, President Global Sepsis Alliance

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