

2021 WEB - CONFERENCE **OF THE EUROPEAN SHOCK SOCIETY**

XIXth Congress of ESS

FRIDAY 5 & SATURDAY 6

NOVEMBER 2021



www.ESSwebconference2021.com

SCIENTIFIC PROGRAM

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Evangelos J. Giamarellos-Bourboulis, MD, PhD

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WELCOME NOTE

Dear Colleagues,

It is already 18 months since the COVID-19 pandemic has attached our world. The pandemic is a constant natural pressure that leads to important adaptations. One salient adaptation is the need to secure the continuing medical education. The conference of the European Shock Society could not remain unaffected by this situation. The persistence of the pandemia under the prevail of the delta variant led the steering committee to decide that the conference of 2021 should be held under a virtual web platform.

Our everyday difficulties impose the need to become better. With this modo, we have decided to efficiently use the web opportunities and offer to you a conference fully different that previous years trying to make it attractive mainly to younger colleagues. Major changes are a) the inclusion of short slots of presentations by world leaders in the field; b) the integration of basic, translational and clinical research, c) the widening to other societies including the sister Shock societies, the Global Sepsis Alliance and the European Sepsis Alliance but also to the European sepsis research consortium ImmunoSep; d) the use of one web-platform that allows in parallel interaction between attendees in private rooms; and e) the publication of the presentations as a supplement in the journal Shock.

All members of the steering committee hope that our web conference will meet your demands for medical education but it will also keep alive the need of constant communication between scientists.

**Prof. Evangelos J. Giamarellos
Bourboulis, MD, PhD**

President of the European Shock Society

Andrea Szabó, MD, PhD
General Secretary of the European
Shock Society

FRIDAY 5 NOVEMBER 2021

10.00-11.00 Opening ceremony

Evangelos J. Giamarellos-Bourboulis, President ESS

Markus Huber-Lang, Past-President ESS

Marcin Osuchowski, President-Elect ESS

- Pandemics that change our World: the role of immune response
Jean-Marc Cavillon (Paris, France)

- Shock research: Cassandra or Prometheus?
Markus Huber-Lang (Ulm, Germany)

- Shock research in our times
Discussion with panelists from International Federation of Shock Societies
Athanasios Chalkias (Larissa, Greece)
Reinaldo Salomao (Sao Paolo, Brazil)
Xy Ben Lu (Beijing, People's Republic of China)

11.00-12.30 Basic research in shock and sepsis

Moderator: **Marcin Osuchowski** (Vienna, Austria)

- How can minimal quality be achieved?
Daniel G. Remick (Boston, USA)
- The need to standardize the shock model
Andrea Szabó (Szeged, Hungary)
- How to implement clinically extrapolated endpoints in animal research
Marcin Osuchowski (Vienna, Austria)
- Disseminated intravascular coagulation and thrombosis: what does the animal setting suggest for the human host?
Nicole P. Juffermans (Amsterdam, The Netherlands)

Discussion

12.30-13.00 Invited Lecture

Moderator: **Evangelos J. Giamarellos-Bourboulis** (Athens, Greece)

- Trained immunity and survival from critical illness
Mihai G. Netea (Nijmegen, The Netherlands)

13.00-13.30 Short break

13.30-14.45 Trauma and hemorrhage

Moderator: **Marc Maegele** (Cologne, Germany)

- Blood multiomics: new insights into the pathophysiology of shock
Federico Alezzi (São Paulo, Brazil)
- How alcohol influences the host response to trauma and hemorrhage
Borna Relja (Magdeburg, Germany)
- Role of the endothelium and endotheliopathy
Marc Maegele (Cologne, Germany)

Discussion

14.45-15.45 Syndrome of persistent inflammation after critical illness

Moderator: **Stylianos Orfanos** (Athens, Greece)

- After polytrauma
Rebecca Halgebauer (Ulm, Germany)
- After severe sepsis
Philip A Efron (Florida, USA)
- Cardiovascular and molecular prognostic factors
Sina M. Coldewey (Jena, Germany)

Discussion

CENTRAL EUROPEAN TIME (CET)

15.50-18.00 COVID-19: From pathogenesis to therapy
Moderator: **Joost W. Wiersinga** (Amsterdam, The Netherlands)

- What is the role of antivirals in critical illness?
Andreas Barratt-Due (Oslo, Norway)
- C5a as treatment target
Alexander Vlaar (Amsterdam, The Netherlands)
- Early IL-1 inhibition
Evangelos J. Giamarellos-Bourboulis (Athens, Greece)
- Do all patients need corticosteroids?
Gilles Hayem (Paris, France)
- IL-6 pathway inhibitors
Hernando Gomez (Pittsburgh, Pennsylvania)
- Cell therapy
Antonio Artigas (Barcelona, Spain)

Discussion

18:00 General Assembly of the European Shock Society

SATURDAY 6 NOVEMBER 2021

08.30-09:00 **SHOCKingly fast: Host response diagnostics in clinical practice for sepsis and acute infection**

Moderator: **Evangelos J. Giamarellos-Bourboulis** (Athens, Greece)

Purvesh Khatri (California, USA)

Satellite Lecture sponsored by Inflammatrix

09.00-12.00 **The European Shock Society meets the ImmunoSep consortium for personalized sepsis treatment**

Moderators: **Mihai G. Netea** (Nijmegen, The Netherlands)

Evangelos J. Giamarellos-Bourboulis (Athens, Greece)

- The ImmunoSep protocol of evaluation of personalized management
Peter Pickkers (Nijmegen, The Netherlands)
- Consult sepsis endotypes
Tom van der Poll (Amsterdam, The Netherlands)
- Progenitor and stem cells in sepsis
Tomasz Skirecki (Warsaw, Poland)
- T lymphocytes function and sepsis-induced immunosuppression
Stefanie B. Flohé (Essen, Germany)
- Should we care about personalized antimicrobial care?
George Dimopoulos (Athens, Greece)
- May transcriptomic profile change by treatment?
Joachim Schultze (Bonn, Germany)
- Challenges to enroll and follow-up patients
Frank Bloos (Jena, Germany)
- Challenges to monitor a trial of personalized treatment in the COVID pandemic
Antigone Kotsaki (Athens, Greece)
- SOFA score: measure of sepsis and measure of endpoint
Michael Bauer (Jena, Germany)

CENTRAL EUROPEAN TIME (CET)

12.00-13.00 The European Shock Society meets the Global Sepsis Alliance and the European Sepsis Alliance

Moderators: **Tex Kissoon** (Vancouver, Canada)
Daniela Filipescu (Bucharest, Roumania)

- Strategies to decrease the burden of sepsis
Konrad Reinhart (Berlin, Germany)
- COVID-19 and sepsis: resemblances and differences
Ricardo Ferrer (Barcelona, Spain)
- The need of a European Registry
Christian S. Scheer (Greifswald, Germany)

Discussion

13.00-13.30 Short break

13.30-15.00 Biomarkers: can they really guide our daily practice? (in collaboration with the Hellenic Sepsis Study Group)

Moderators: **Mark Clemens** (North Carolina, USA)
Iraklis Tsangaris (Athens, Greece)

- Procalcitonin use and sepsis survival
Evdoxia Kyriazopoulou (Athens, Greece)
- Trust suPAR for COVID-19
Massimo Fantoni (Rome, Italy)
- Optical biosensor technology
Nikolaos Antonakos (Athens, Greece)
- CRP and ferritin
Gilles Kaplanski (Marseille, France)
- Should we surrogate viral load?
Francesco Veas (Marseille, France)

Discussion

CENTRAL EUROPEAN TIME (CET)

15.00-16.30 Emerging dilemmas in management

Moderator: **Charalambos Gogos** (Athens, Greece)

- Rapid molecular diagnosis of the pathogen
Vittorio Sambri (Bologna, Italy)
- Clarithromycin for the critically ill
Eleni Karakike (Athens, Greece)
- Ceftazidime/avibactam and ceftolozane/tazobactam: which drug for which patient?
Matteo Bassetti (Genova, Italy)
- How to treat severe pneumonia
Antoni Torres (Barcelona, Spain)

Discussion

16:30-17:00 Host response based tools for managing acute infection

Moderator: **Evangelos J. Giamarellos-Bourboulis** (Athens, Greece)

Tanya Gottlieb (Tirat Carmel, Israel)

Satellite lecture sponsored by MeMed Diagnostics

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