

# Antimicrobial stewardship, a role for biomarkers.

*Series of webinars, 16 and 26 October, 9 November*

## Speakers

### Jan de Waele



Jan De Waele, MD, PhD is Senior Lecturer at Ghent University and an intensivist at Ghent University Hospital, Ghent. He is Chair of the Clinical Trials Working Group of the WSACS.

### Ricard Ferrer



Dr Ricard Ferrer is Head of the Intensive Care Department at Vall d'Hebron Hospital in Barcelona, Spain. He graduated in 1992 from the University of Barcelona, Medical School, and pursued his specialisation in Intensive Care, from 1994 to 1998, and his PhD title in 2010 from the Universitat Autònoma de Barcelona.

### Matteo Bassetti



Matteo Bassetti is Head of the Infectious Diseases Clinic of the Policlinico San Martino University Hospital in Genoa and Full Professor of Infectious Diseases of the University of Genoa, Italy. Dr Bassetti studied at the University of Genoa School of Medicine and continued his medical education at the Yale University School of Medicine, New Haven, USA with an Infectious Diseases fellowship.

Dr Bassetti is president of the Italian Society of Anti-infective Therapy (SITA) and member of executive committee for the battle against antimicrobial resistance of the Italian Minister of Health (PNCAR). He is member-elected (2018-2022) of International Council of the Immunocompromised Host Society (ICHS). From 2019 he is member of the council of International Sepsis Forum (ISF). He serves on the editorial board of several prestigious international journals. Author or co-author of 680 papers (H index 75; 22000 citations) published in International peer-review journals and several chapter's book on antibiotic therapy, fungal infections, antimicrobial resistances, infections in immunocompromised patients and critically ill patients.

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## Evangelos Giamarellos-Bourboulis



Evangelos Giamarellos is a Professor of Internal Medicine and Infectious Diseases at the Medical School of the National and Kapodistrian University of Athens since 2018. He was trained in the Immunology of Infections at the Department of Internal Medicine and Infectious Disease of Radboud University in the Netherlands. In 2012 and 2013 he served as guest Professor of the Department of Critical Care Medicine of Jena University Hospital in Germany. His main research contribution is immunomodulation in sepsis and in auto-inflammatory disorders for which he was awarded the Young Investigator Research Award by the European Society of Clinical Microbiology and Infectious Diseases. He has 446 publications in international peer-reviewed journals with 21,700 citations and an h-index of 73. He has contributed to the development of clarithromycin for the immunomodulatory treatment of septic shock, the recognition of hidradenitis suppurativa (HS) as an auto-inflammatory disorder, and in the licensing of adalimumab for the treatment of (HS). He is chairing the Hellenic Sepsis Study Group ([www.sepsis.gr](http://www.sepsis.gr)). He was the leading investigator who run the phase 2 and phase 3 programs ending in the approval of anakinra for COVID-19 pneumonia in adults by the European Medicines Agency.

## Marc Leone



Prof. Marc Leone, born in 1968 is professor of Anesthesiology and Critical Care Medicine at Aix Marseille University and anesthesiologist and intensivist at the Department of Anesthesiology and Critical Care Medicine at the Nord University Hospital in Marseille. He was trained as resident and fellow in Aix Marseille University. Specialist in intensive care medicine, he spent one year at the Washington University of Saint Louis, Missouri. He obtained his PhD degree (on sex and infections) at the Aix Marseille University in 2008. He is the present chair of the department of Anesthesiology and Critical Care Medicine of his hospital, where he is present daily in the intensive care unit. His expertise field includes sepsis, antimicrobial stewardship, biomarkers and vasopressor use. He works with different laboratories in the field of sepsis. Marc Leone has signed around 550 publications including articles in major journals, book chapters and guidelines, and edited four books. He is currently vice president of the French Society of Anesthesiology and Critical Care Medicine and chair of the SIS section in the European Society of Intensive Care Medicine.

## Rita Murri



Dr. Rita Murri is responsible for the Infectious Diseases Consultancy Unit at the Catholic University of Rome, Italy - Fondazione Policlinico Gemelli. Over the past decade, Dr. Murri and her team have provided approximately 91,000 consultations. Notably, the Gemelli hospital has achieved the prestigious distinction of being ranked as the top hospital in Italy by Newsweek. Dr. Murri specializes in Antibiotic Stewardship, antibiotic therapy (with a particular emphasis on difficult-to-treat pathogens), bloodstream infections, and Infection Prevention and Control. Recently, her interest has extended to the development and application of machine-learning-based predictive models.

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## Moderators

### Antonio Artigas



Antonio Artigas is a Professor of Applied Physiology and Chair of Sepsis and Acute Respiratory Failure Research at the Autonomous University of Barcelona. He was the Director of the Intensive Care Medicine Department at Corporacion Sanitaria Universitaria Parc Tauli 1988-2016 and now Emeritus Director and Director of the Pathophysiological Translational and Cell Therapy Laboratory. His research interests are primarily intensive care , ARDS and sepsis .

He completed his training in Barcelona University and became MD in 1973 and his PhD in 1992. He then was certified in internal medicine in 1976 and intensive care medicine in 1982.

Prof. Artigas is a member of several societies including ESA, ESCIM, ATS, SRLF (for which he was the vice president between the years 1991 – 1993), CIBER and chairman to the ERS critical care group and HERMES respiratory critical care program. He is an honorary member of the European Society of Intensive Care and was a member of the executive committee from the years 1982 – 1990. He is also heavily involved in sepsis research and is member of the Executive Committee of European Sepsis Alliance and member of the Advisory Committee of Sepsis of the Government in Catalonia . He was the chairman of the European-North American Consensus Conferences on ARDS and is member of the ATS Task Force on Experimental Models of ARDS.

In addition to this, Prof. Artigas is also on the editorial boards of many critical care and respiratory journals and reviews numerous papers. He has published over 200 articles in both national and international scientific journals and has published 20 books and wrote chapters in various others. He has an h-Index of 66 . He has presented at more than 200 conferences internationally.

He has received 50 awards and more than 30 research grants funded by the Spanish Research Agency, the EU research programs and participate in many multicentre clinical trials of pharmaceutical companies .He is a member of the Educational Committee of the hospital and director of 20 doctoral thesis and tutor of residents and research fellowship program of intensive care medicine . He received the Educational Award of the European Respiratory Society in 2015 .He is International Corresponding Member of Académie Nationale de Médecine since 2016.

### Djillali Annane



Dr. Annane, MD, PhD, is a prominent figure in French healthcare and medical education. Currently serving as Dean of the Simone Veil School of Medicine at the University of Paris Saclay UVSQ campus since 2010, Dr. Annane is deeply committed to medical education.

He also served as President-elect and President of the National Council of Deans of Medical Schools in France from 2017 to 2020, underscoring his commitment to medical education in the public sector.

In addition to academia, Dr. Annane advised the French Minister of Social Affairs and Health from 2012 to 2017. He currently leads the Sepsis Task Force, which focuses on WHO recommendations for sepsis management in France. In the midst of the COVID-19 pandemic, Dr. Annane contributed to the WHO Working Group on Clinical Management and Characterization, supporting evidence-

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based COVID-19 diagnosis and management. Dr. Annane's career includes an MD and PhD from the University of Paris Descartes, where he has been a professor of medicine since 1994.

His journey demonstrates an unwavering commitment to medical education, health policy and improving patient outcomes.

## Matthias Pletz



Mathias W. Pletz, Professor for Infectious Diseases, is a board-certified physician for internal medicine, pulmonology, infectious diseases, and hospital epidemiology, and the Head of the Institute for Infectious Diseases and Infection Control of the University Hospital in Jena (Germany). He also leads a clinical research group focusing on novel diagnostic and therapeutic strategies against MDR bacterial pathogens, funded by the German Ministry for Science and Education. Mathias Pletz received his PhD in Virology at the University of Leipzig (Germany). During his thesis he worked as a guest researcher at the Food and Drug Administration Laboratory of Parasitic Pathology and Biochemistry (Bethesda, MD, USA). After his medical training at the University of Leipzig, Baylor College of Medicine (Houston, TX, USA) and the University of Basel (Switzerland), he started his residency at the Chest Hospital in Berlin (Germany). Subsequently, he spent 2 years as a postdoctoral researcher at Emory University (Atlanta, GA, USA) working with Keith Klugman's group on the spread of multiresistant pneumococci. In addition, he served as a guest researcher at the Centers for Disease Control and Prevention (CDC) in Atlanta, exploring the severe acute respiratory syndrome (SARS) epidemics. After his return to Germany, he finished his medical training at the Dept of Respiratory Medicine at the Hannover Medical School. Mathias Pletz is the Deputy Director of the German Competence Network for Community-Acquired Pneumonia (CAPNETZ), a member of the Board of Directors of the German Society for Infectious Diseases (DGI) and the German Sepsis Society. Furthermore, he acts as scientific advisor for the German Robert Koch Institute and a member of the review board of the German Research Foundation and the Swiss National Research Foundation. He has published more than 200 papers on sepsis, pneumonia, pneumococcal vaccines, respiratory infections, antimicrobial resistance, and pharmacokinetics of antibiotics in the critically ill. He has also received numerous scientific awards, e.g. the Honor Award Certificate from the CDC, the Kass Award of the Infectious Diseases Society of America and the Respiratory Infections Awards from the European Respiratory Society.