



EUSTM | European Society
for Translational Medicine

7TH ANNUAL CONGRESS

OF THE EUROPEAN SOCIETY
FOR TRANSLATIONAL
MEDICINE ON COVID-19
(EUSTM-2020)

**VIRTUAL
CONGRESS**

AGENDA

SEPTEMBER 21 - 25, 2020

GLOBAL MULTIDISCIPLINARY CONGRESS ON COVID-19

<https://eutranslationalmedicine.org/eustm-2020>

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EUSTM-2020 on Covid-19



CO-ORGANIZERS



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DAY 1: 21 SEPTEMBER 2020

9:00 (CET)

Coronaviruses: History and Biology

Prof. Susan R. Weiss

Penn Center for Research on Coronaviruses & Emerging Pathogens,
University of Pennsylvania, USA

11:00 (CET)

Genome-wide CRISPR screen reveals host genes that regulate SARS-CoV-2 infection

Prof. Craig B. Wilen

Yale School of Medicine Departments of Laboratory Medicine
& Immunobiology, New Haven, USA

14:00 (CET)

Lung under attack by COVID-19-induced cytokine storm: pathogenic mechanisms and therapeutic implications

Dr Corrado Pelaia

University "Magna Græcia" of Catanzaro, Italy

16:00 (CET)

Laboratory Biosafety in the Time of COVID-19

Dr Michael Baclig

St. Luke's Medical Center

17:30 (CET)

COVID 19 Risk factors and therapies in Italy: results from the CORIST collaboration

Prof. Licia Iacoviello

IRCCS Neuromed, Pozzilli & University of Insubria Varese, Italy

10:00 (CET)

Spatiotemporal analysis of micro-epidemics of influenza and COVID-19

Prof. Eleftherios Mylonakis

Alpert Medical School of Brown University, Rhode Island
Hospital & The Miriam Hospital, USA

13:00 (CET)

SARS-CoV-2 mechanisms of severe outcomes

Dr Jeremy W Prokop

Department of Pharmacology & Toxicology,
Michigan State University, Grand Rapids, USA

15:00 (CET)

Baricitinib as a potential drug for COVID-19: evidence from a multicenter trial and translational research studies

Dr Delia Goletti

National Institute for Infectious Disease L. Spallanzani, Rome, Italy

17:00 (CET)

Allosteric site of SARS-CoV-2 main protease as drug target in the presence of its emerging mutations

Prof. A. Ozlem Tastan Bishop

Department of Biochemistry and Microbiology,
Rhodes University, South Africa

17:45 (CET)

Poster Talk: Obstacles to mental health screening in hospitalized COVID-19 patients

Erin Reed

Yale School of Medicine New Haven, USA

DAY 2: 22 SEPTEMBER 2020

9:00 (CET)

Optimally Pooled COVID-19 Testing

Prof. Dor Ben-Amotz

Purdue University, Department of Chemistry West Lafayette, IN, USA

11:00 (CET)

Lessons learned from animal models of COVID-19

Prof. Ravi Mahalingam

University of Colorado Anschutz Medical Campus, USA

14:00 (CET)

Asymptomatic transmission during the COVID-19 pandemic and implications for public health strategies

Dr Hanalise V Huff

Boston Children's Hospital, Harvard Medical School, USA

16:00 (CET)

Allelic Variations in ACE2 and Natural Resistance against COVID-19

Dr Mushtaq Hussain

Dow University of Health Sciences, Karachi, Pakistan

17:30 (CET)

Poster Talk: SARS-CoV-2 diagnostic markers – Missing clues to the bigger picture

Sundararaj Stanleyraj Jeremiah

Yokohama City University, Fukuoka, Japan

10:00 (CET)

Controlling the second Covid-19 wave by Mandatory Mobile Contact Tracing (MMCT) Containment and Time Dependent Doubling Time Control

Prof. Antonio Bianconi

Rome International Center for Materials Science, Superstripes, Roma, Italy

13:00 (CET)

Bioengineering tools to speed up the discovery and preclinical testing of vaccines for SARS-CoV-2 and therapeutic agents for COVID-19

Prof. Dr. Manuela Teresa Raimondi

Politecnico Di Milano, Milano, Italy

15:00 (CET)

Stem cells from gestational tissues: a promising tool to restore the body's own potential to fight SARS-CoV-2 infections

Dr Bruna Corradetti

Houston Methodist Research Institute, USA

17:00 (CET)

Innovative Therapeutic Interventions for SARS-CoV-2 – exploiting metabolic synergy

Prof. Rushika Perera

Arthropod-borne & Infectious Diseases Laboratory
Colorado State University, USA



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DAY 3: 23 SEPTEMBER 2020

9:00 (CET)

Internet Knowledge Mining tools and A.I. For Rapid Response to New Pandemics with Proposals for Synthetic Vaccines and Therapeutics. The Example of COVID19

Prof. Dr Barry Robson

Ingine Inc. Cleveland Ohio, USA

9:30 (CET)

The renin angiotensin system (RAS) involvement in SARS-CoV-2 infection

Prof. Rafael Franco

Prof. Rafael Franco

11:00 (CET)

Molecular basis of COVID-19 comorbidities

Prof. Antonio Facchiano

Istituto Dermatologico dell'Immacolata (IDI-IRCCS), Rome, Italy

14:00 (CET)

Gut-lung axis in COVID-19

Dr Busra Aktas

Burdur Mehmet Akif Ersoy University, Burdur, Turkey

17:00 (CET)

Covid-19, The King of 2020: lessons learned and still learning from a tertiary care centre in Chennai, India

Prof. Padma Srikanth

Department of Microbiology, Sri Ramachandra Institute, India

17:30 (CET)

Poster Talk: Explainable approach for COVID-19 identification via CT-Scans

Eduardo Almeida Soares

Lancaster University, UK

10:00 (CET)

Epidemiological monitoring and comparative analysis of non-pharmaceutical interventions using a non-Markovian modelling framework

Prof. Mircea T. Sofonea

University of Montpellier, France

13:00 (CET)

Screening Possible Drug Molecules for Covid-19: A Computational Study based on Docking Studies & Molecular Dynamics to Design New Inhibitor Candidates

Dr. Manos Vlasious

Department of Health and Life Sciences, University of Nicosia, Nicosia, Cyprus

16:00 (CET)

Generation of SARS-CoV-2 S1 spike glycoprotein putative antigenic epitopes in vitro by intracellular aminopeptidases

Dr Efstratios Stratikos

National Center for Scientific Research Demokritos, Greece

DAY 4: 24 SEPTEMBER 2020

9:00 (CET)

Vesicular stomatitis virus vectored vaccine for SARS-CoV-2

Prof. Sean P. J. Whelan

Department of Molecular Microbiology, Washington University
School of Medicine, St. Louis, USA

11:00 (CET)

Pulse Therapy with Corticosteroids and Intravenous Immunoglobulin in the Management of Severe COVID-19. Unusual Treatment with Intriguing Results

Prof. Mikhail Sheianov

Burnasyan Federal Medical Biophysical Center, Moscow, Russia

14:00 (CET)

Complement and neutrophil-mediated immunothrombosis: lessons from COVID-19

Prof. Panagiotis Skendros

Democritus University of Thrace (DUTH),
University Hospital of Alexandroupolis, Greece

16:00 (CET)

How Molecular Modelling Could help in the COVID19 Crisis

Dr. Muhamed Amin

University of Groningen, Groningen, Netherlands

17:30 (CET)

Poster Talk: The use of Computational Docking to estimate the effects of Montelukast on potential viral main protease catalytic site

Dr Salman Mansoor

Sligo University Hospital, Ireland

10:00 (CET)

Potential connections of COVID-19 and prostate cancer – the TMPRSS2 story

Prof. Jianyu Rao

UCLA Medical Center, Santa Monica, LA, USA

13:00 (CET)

Targeting the Master Regulator of Cellular Redox Homeostasis, Nrf2, in SARS-CoV-2 Infection

Prof. Adela Cota-Gomez

Division of Pulmonary Sciences and Critical Care Medicine,
University of Colorado, USA

15:00 (CET)

Early prediction of COVID-19 in Cuba using the SEIR model

Prof. Dr Luis Beltrán Ramos-Sánchez

University of Camagüey, Camagüey, Cuba

17:00 (CET)

Weighing the Impact of Obesity on COVID-19 in Low- to Middle-Income Countries

Dr Dicky L. Tahapary

Faculty of Medicine Universitas Indonesia (RSCM-FKUI), Indonesia

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DAY 5: 25 SEPTEMBER 2020

9:00 (CET)

Developing a Point-of-Risk Molecular Test for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)

Dr Laura Lamb

Oakland University William Beaumont School of Medicine,
Rochester Hills, Michigan, USA

10:00 (CET)

In silico drug discovery for COVID-19 using gene expression profiles of mouse infected by MHV and those of human cell lines infected by SARS-CoV-2

Prof. Y-H. Taguchi

Department of Physics, Chuo University, Tokyo, Japan

11:00 (CET)

SARS-CoV-2 Associated Nephropathy in the Pandemic Era

Prof. Maurizio Salvadori

Department of Nephrology and Transplantation,
University of Florence, Florence, Italy

13:00 (CET)

Machine learning analysis of single-cell gene regulatory networks reveals potential mechanisms of action of antimalarials against SARS-CoV-2

Prof. James Cai

Texas A&M University, USA

14:00 (CET)

COVID-19 pathophysiology may be driven by a loss of inhibition of the Renin-Angiotensin-Aldosterone System

Dr Johan Lundberg

Karolinska University Hospital, Stockholm, Sweden

15:00 (CET)

The Clinically Validated Viral Superinfection Therapy (SIT) Platform Technology May Mitigate Severe Cases of COVID-19 Infections

Dr Tibor Bakács

Hungarian Academy of Sciences & HepC Inc, Hungary

16:00 (CET)

Vaccine and Drug Designing for COVID-19 - Research and Prevention Strategies

Dr Syed Sikander Azam

Quaid-i-Azam University, Islamabad, Pakistan

17:00 (CET)

The higher the altitude the less COVID-19: Decreased incidence, transmission capacity of the virus and severity at altitude in the American continent

Christian Arias Reyes

Faculty of Medicine, Université Laval, Québec, QC, Canada

17:30 (CET)

Poster Talk: Homologous Proteins in Drosophila melanogaster for SARS-CoV-2/Human Interactome

Sanya Shabbir

Dow University of Health Sciences, Karachi, Pakistan

17:45 (CET)

Poster Talk: Filipino next generation nurses as frontliners amid COVID-19 pandemic: A Husserlian phenomenology study

Dr Agnes Valencia-Raymundo

Manila central University College of nursing, Caloocan City, Philippines



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