

THE CONFERENCE PROGRAM

OPENING SESSION, DAY 1, MONDAY 16 MAY 2022

13.00 – 13.10	Opening Ceremony/Guest Speakers Associate Prof. Lena Eskilsson, Vice rector, Lund University Prof. Eric Cassan, Coordinator of the EUGLOHRIA, University of Paris-Saclay Associate Prof. Joakim Esbjörnsson-Klemendz, Lund University	
13.10 – 13.20		
13.20 – 13.30		
13.30 – 14.00	Opening Keynote Speech – Professor Peter M Nilsson, Lund University	
14.00 – 14.30	Keynote Speech – Dr. Stéphanie Simon, University of Paris-Saclay	
14.30 – 14.40	Pause	
	Parallel Sessions	
14.40 – 14.45	Introduction by Moderators	Introduction by Moderators
14.45 – 15.25	Session 1 (Breakout room 1) Short Presentations by the Participants	Session 2 (Breakout room 2) Short Presentations by the Participants
15.25 – 15.55	Panel: Questions and Discussions	Panel: Questions and Discussions
15.55 – 16.05	Pause	
16.05 – 16.35	Keynote Speech – Dr. Gergely Röst, Szeged University	
16.35 – 16.45	Pause	
	Parallel Sessions	
16.45 – 16.50	Introduction by Moderators	Introduction by Moderators
16.50 – 17.30	Session 3 (Breakout room 3) Short Presentations by the Participants	Session 4 (Breakout room 4) Short Presentations by the Participants
17.30 – 18.00	Panel: Questions and Discussions	Panel: Questions and Discussions
18.00 – 18.15	Closing Day 1	

OPENING SESSION, DAY 1, MONDAY 16 MAY 2022

13.00 – 13.10 Lena Eskilsson, Associate Professor, Deputy vice-chancellor, Lund University

13.10 – 13.20 Eric Cassan, Professor, Coordinator of the H2020/EUGLOHRIA Project, University of Paris-Saclay

13.20 – 13.30 Joakim Esbjörnsson-Klemenz, Associate Professor, Lund University

13.30 – 14.00 Opening Keynote Speech – Professor Peter M Nilsson, Lund University

14.00 – 14.30 Keynote Speech – Dr. Stéphanie Simon Paris-Saclay University

14.30 – 14.40 Pause

14.40 – 14.45 Introduction by Moderator (Session 1): Joakim Esbjörnsson-Klemenz, Lund University

Assistant Moderator: Fariba Vaziri-Sani, Lund University

Introduction by Moderator (Session 2): Fausto Ignatov Vinueza, Ludwig-Maximilians-University of Munich

Assistant Moderator: Jessica Gerlich, Ludwig-Maximilians-University of Munich

14.45 – 15.25 Short presentations by participants: Maximum 5 minutes, 2 slides/per presentation

PARALLEL SESSIONS (1 AND 2), DAY 1

SESSION 1 (BREAKOUT ROOM 1), DAY 1

UNDERSTAND THE VIRUS AND THE HOST (U)

- 14.45 – 14.50** **Milena Samojlović, Lund University:** Establishment of an experimental pipeline to identify and visualize key epitopes and neutralising antibodies against viruses at the atomic level
- 14.50 – 14.55** **Nabila SEDDIKI, University of Paris-Saclay:** THE IMMUNE SYSTEM AND RESPIRATORY INFECTIONS IN EARLY LIFE
- 14.55 – 15.00** **Sonja Aits, Lund University:** Using artificial intelligence for COVID-19-related text mining and image analysis

DETECT THE VIRUS (D)

- 15.00 – 15.05** **Catherine CHAPON, University of Paris-Saclay:** Imaging the Infection and the Immunity in Non-Human Primates

CONSEQUENCES OF THE PANDEMI (C)

- 15.05 – 15.10** **Joana Pinto da Costa, University of Porto (U.Porto):** The prevalence of the post-COVID-19 condition among COVID-19 survivors
- 15.10 – 15.15** **Joana Pinto da Costa, University of Porto (U.Porto):** SARS-CoV-2 specific immunity and the incidence of post-acute COVID-19 syndrome among the EPIPorto cohort

ACT AGAINST THE SPREAD OF THE VIRUS (A)

- 15.15 – 15.20** **Denis Ullmo, University of Paris-Saclay:** A social structure description of epidemics propagation with the mean field game paradigm
- 15.20 – 15.25** **Marta Pinto, University of Porto (U.Porto):** To control it, you better keep an eye on it: The monitoring method of the Portuguese Strategy to Prevent and Control COVID-19
- 15.25 – 15.55** **Panel (Questions and Discussions)**
- 15.55 – 16.05** **Pause**

SESSION 2 (BREAKOUT ROOM 2), DAY 1

UNDERSTAND THE VIRUS AND THE HOST (U)

- 14.45 – 14.50** **Márta Széll, University of Szeged:** Identification of genetic factors contributing to the determination of COVID-19 disease course
- 14.50 – 14.55** **Johannes C Hellmuth, Ludwig Maximilian University:** Deciphering host pathogen interactions in a complex clinical cohort in Munich, Germany
- 14.55 – 15.00** **Ama Twumwaa Acheampong, Ludwig Maximilian University:** Occupational Risk Assessment and COVID-19 Resilience Creation among Informal Solid Waste Workers (Waste Pickers) in the Greater-Accra Region of Ghana
- 15.00 – 15.05** **Ferenc Petak, University of Szeged:** Development of a photoacoustic system for monitoring the dynamics of exhaled CO₂ in rodent models of respiratory disorders

CONSEQUENCES OF THE PANDEMI (C)

- 15.05 – 15.10** **Anders Håkansson, Lund University:** Online gambling as a potential health hazard during COVID-19's impact on society: register-based data on treatment seeking for gambling disorder
- 15.10 – 15.15** **Marion Egger, Ludwig Maximilian University:** Health Related Quality of Life in Critically Affected COVID-19 Survivors up to 6 Months after Discharge from Neurorehabilitation

ACT AGAINST THE SPREAD OF THE VIRUS (A)

- 15.15 – 15.20** **Luigi Genovese, CEA, University of Paris-Saclay:** Antibody/antigen microscopic networks from modeling and quantum chemical approaches.
- 15.20 – 15.25** **Mark Antal, University of Szeged:** An in vitro spectrometric study of the aerosol-reducing efficacy of two extraoral scavenger devices during modeled dental treatment
- 15.25 – 15.55** **Panel (Questions and Discussions)**
- 15.55 – 16.05** **Pause**

16.05 – 16.35 Keynote Speech – Dr. Gergely Röst, Szeged University

- 16.35 – 16.45** **Pause**
- 16.45 – 16.50** **Introduction by Moderator (Session 3):** Alice Huertas, Paris-Saclay University
Assistant Moderator: Agnes Linglart, University of Paris-Saclay
Introduction by Moderator (Session 4): Henrique Barros, University of Porto
Assistant Moderator: Ana Alvarelhão, University of Porto
- 16.50 – 17.30** **Short presentations by participants:** Maximum 5 minutes, 2 slides/per presentation

PARALLEL SESSIONS (3 AND 4), DAY 1

SESSION 3 (BREAKOUT ROOM 3, DAY 1)

UNDERSTAND THE VIRUS AND THE HOST (U)

- 16.50 – 16.55** **Balázs Kakuk, University of Szeged:** High Temporal-Resolution Transcriptome Dynamics of SARS-CoV-2 via Long-read Sequencing
- 16.55 – 17.00** **Stéphane Bressanelli, University of Paris-Saclay:** Structural biology of the replication polyproteins of single-stranded, positive sense RNA viruses
- 17.00 – 17.05** **Tamas Letoha, University of Szeged:** Syndecan-4 Is a Key Facilitator of the Cellular Entry of SARS-CoV-2 and its Delta Variant

DETECT THE VIRUS (D)

- 17.05 – 17.10** **Herve Boutal, University of Paris-Saclay:** Production of monoclonal antibodies: development of ELISA for the assessment of immune response or direct detection of pathogens

CONSEQUENCES OF THE PANDEMI (C)

- 17.10 – 17.15** **Csaba Hamvai, University of Szeged:** Development of pandemic-specific version of Perceived Stress Scale (PSS-PAN)
- 17.15 – 17.20** **Anuragini Shirish, University of Paris-Saclay:** An Examination of the Role of Positive Technology on Mental Well-being: A Multi-method Program of Study

ACT AGAINST THE SPREAD OF THE VIRUS (A)

- 17.20 – 17.25** **Jorge MUNOZ, CEA (the French Alternative Energies and Atomic Energy commission):** Medical Ventilator Multiplier
- 17.25 – 17.30** **Tibor Ajtai, University of Szeged:** Measurement of mask filtration efficiency: Influence of material properties, particle size, morphology etc.
- 17.30 – 18.00** **Panel (Discussions /Questions)**
- 18.00 – 18.15** **Closing Day 1**

SESSION 4 (BREAKOUT ROOM 4, DAY 1)

UNDERSTAND THE VIRUS AND THE HOST (U)

- 16.50 – 16.55** **Kirsztina Buzás, University of Szeged:** Assessment of immunological background and prediction of post-covid syndrome by extracellular vesicle profiling
- 16.55 – 17.00** **Christine BOURGEOIS, University of Paris-Saclay:** Detection of SARS-CoV-2 in subcutaneous fat but not visceral fat, and the disruption of fat-lymphocyte homeostasis in the macaque

CONSEQUENCES OF THE PANDEMI (C)

- 17.00 – 17.15** **Stinne Glasdam, Lund University:** Short summary of finalised and ongoing COVID-19 projects (Project 1-5)
- 17.15 – 17.20** **Csanád Szabó, University of Szeged:** Psychological consequences of the first wave of the COVID-19 pandemic among Hungarian adults
- 17.20 – 17.25** **Edit Paulik, University of Szeged:** Epidemiological analysis of COVID-19 patients treated in inpatient care

ACT AGAINST THE SPREAD OF THE VIRUS (A)

- 17.25 – 17.30** **Attila Balog, University of Szeged:** Humoral and Cellular Immunogenicity, Safety of Five Different SARS-CoV-2 Vaccines in Patients with Autoimmune Rheumatic and Musculoskeletal Diseases
- 17.30 – 18.00** **Panel (Discussions /Questions)**
- 18.00 – 18.15** **Closing Day 1**

Opening Session, Day 2, TUESDAY 17 MAY 2022

09.00 – 09.30	Opening Keynote Speech: Professor Zoltán Kónya, Szeged University	
09.30 – 10.00	Keynote Speech – Prof. Katja Radon, Ludwig-Maximilians-University of Munich	
10.00 – 10.10	Pause	
	Parallel Sessions	
10.10 – 10.15	Introduction by Moderators	Introduction by Moderators
10.15 – 10.55	Session 1 (Breakout room 1) Short Presentations by the Participants	Session 2 (Breakout room 2) Short Presentations by the Participants
10.55 – 11.25	Panel: Questions and Discussions	Panel: Questions and Discussions
11.25 – 11.35	Pause	
11.35 – 12.05	Keynote Speech – Dr. Teresa Leão, University of Porto	
12.05 – 12.15	Pause	
	Parallel Sessions	
12.15 – 12.20	Introduction by Moderators	Introduction by Moderators
12.20 – 12.55	Session 3 (Breakout room 3) Short Presentations by the Participants	Session: 4 (Breakout room 4) Short Presentations by the Participants
12.55 – 13.25	Panel: Questions and Discussions	Panel: Questions and Discussions
13.25 – 13.35	Pause	
13.35 – 14.05	Closing Keynote Speech – Roger Le Grand, University of Paris-Saclay	
14.05 – 14.20	Closing Day 2	

OPENING SESSION, DAY 2, TUESDAY 17 MAY 2022

09.00 – 09.30 Opening Keynote Speech – Professor Zoltán Kónya, Szeged University

09.30 – 10.00 Keynote Speech – Prof. Katja Radon, Ludwig-Maximilians-University of Munich

10.00 – 10.10 **Pause**

10.10 – 10.15 **Introduction by Moderator (Session 1): Xavier Monnet, Paris-Saclay University**

Assistant Moderator: Alice Huertas, Paris-Saclay University

Introduction by Moderator (Session 2): Márta Szell, Szeged University

Assistant Moderator: Bucsainé Pados Anikó, Szeged University

10.15 – 10.55 **Short presentations by participants: Maximum 5 minutes, 2 slides/per presentation**

PARALLEL SESSIONS (1 AND 2), DAY 2

SESSION 1 (BREAKOUT ROOM 1), DAY 2

UNDERSTAND THE VIRUS AND THE HOST (U)

- 10.15 – 10.20** **Catarina Bessa-Andr s, University of Porto:** Putative therapeutic effect of purinome-rejuvenated mesenchymal STEM cells against airway epithelial cells damage by SARS-CoV-2
- 10.20 – 10.25** **Teresa Sousa, University of Porto:** Unresolved inflammation and endothelitis in severe and critically ill COVID-19 patients
- 10.25 – 10.30** **Fabien Caill , University of Paris-Saclay:** Non-Human Primates PET imaging of SARS-COV-2 using 89Zr-labelled antibodies

DETECT THE VIRUS (D)

- 10.30 – 10.35** **Francois BECHER, University of Paris-Saclay:** Quantitative Assessment of SARS-CoV-2 Virus in Nasopharyngeal Swabs Stored in Transport Medium by Mass Spectrometry targeting N, M and S Proteins

CONSEQUENCES OF THE PANDEMI (C)

- 10.35 – 10.40** **Christofer Rydenf lt, Lund University:** Covid-19, the work environment, and the next crisis: Some observations from Swedish home care nursing
- 10.40 – 10.45** **Belem Barbosa, University of Porto:** The impact of instagrammers in the adoption of healthier consumer habits during and after the pandemic

ACT AGAINST THE SPREAD OF THE VIRUS (A)

- 10.45 – 10.50** **Wolfgang Knecht, Lund University:** Swedish protein production and crystallization infrastructures help to understand and to act against SARS-CoV-2
- 10.50 – 10.55** **Julien BARBIER, University of Paris-Saclay:** Retro-2 derivatives as inhibitors of SARS-CoV-2 virus
- 10.55 – 11.25** **Panel (Discussions /Questions)**
- 11.25 – 11.35** **Pause**

SESSION 2 (BREAKOUT ROOM 2), DAY 2

UNDERSTAND THE VIRUS AND THE HOST (U)

- 10.15 – 10.20** **Jose Azevedo, University of Porto (U.Porto):** Assessing the utility of Google Trends as a Tool in Monitoring COVID-19
- 10.20 – 10.25** **Lucia Grenga, University of Paris-Saclay:** Functional insights into the gut microbiota of COVID-19 patients
- 10.25 – 10.30** **Elisabeth Menu, University of Paris-Saclay:** Role of the mucosal environment in the control of sexually transmitted infections (STIs)
- 10.30 – 10.35** **Szabolcs Péter Tallósy, University of Szeged:** Photoacoustics based research platform to investigate cellular gas emissions

CONSEQUENCES OF THE PANDEMI (C)

- 10.35 – 10.40** **Takayuki A. Kurokawa, University of Szeged:** Introduction to CASEMIX: A step toward a more efficient operating environment.

10.40 – 10.45 Zoltán Szolnoki, University of Szeged: Contagion history as a collection – Oral history experiences in a local museum

ACT AGAINST THE SPREAD OF THE VIRUS (A)

10.45 – 10.50 Anne-Sophie BEIGNON, CEA, France: Vaccine-induced innate and adaptive memories

10.50 – 10.55 Frédéric Martinon, CEA, University of Paris-Saclay: The route of vaccine administration affects early immune responses with consequences on the quality of the long-term specific immunity

10.55 – 11.25 Panel (Discussions /Questions)

11.25 – 11.35 Pause

11.35 – 12.05 Keynote Speech – Prof. Katja Radon, Ludwig-Maximilians-University of Munich

12.05 – 12.15 Pause

12.15 – 12.20 Introduction by Moderator (Session 3): Joakim Esbjörnsson-Klemenz, Lund University

Assistant Moderator: Fariba Vaziri-Sani, Lund University

Introduction by Moderator (Session 4): Jessica Gerlich, Ludwig-Maximilians-University of Munich

Assistant Moderator: Katja Radon, Ludwig-Maximilians-University of Munich

12.20 – 12.55 Short presentations by participants: Maximum 5 minutes, 2 slides/per presentation

PARALLEL SESSIONS (3 AND 4), DAY 2

SESSION 3 (BREAKOUT ROOM 3), DAY 2

UNDERSTAND THE VIRUS AND THE HOST (U)

- 12.20 – 12.25** Alessia Zamborlini, University of Paris-Saclay: The dNTPase-independent antiviral activity of SAMHD1 influences HIV-2 infection regardless of Vpx
- 12.25 – 12.30** Mariangela CAVARELLI, University of Paris-Saclay: Identification of CX3CR1+ mononuclear phagocyte subsets involved in HIV-1 and SIV colorectal transmission

CONSEQUENCES OF THE PANDEMI (C)

- 12.30 – 12.35** Ana Aguiar, Universidade do Porto: Psychological impact and social determinants in the Portuguese population during the COVID-19 pandemic
- 12.35 – 12.40** Alexandra Oliveira, University of Porto: What was/is the impact of COVID-19 on sex work? The discourse of migrant cisgender women sex workers in Portugal under analysis
- 12.40 – 12.45** Jonathan Leon Frese, Ludwig Maximilian University: Is physical activity beneficial for mental health in times of the SARS-CoV-2 pandemic? Results of the prospective COVID-19 cohort (KoCo19) in Munich

ACT AGAINST THE SPREAD OF THE VIRUS (A)

- 12.45 – 12.50** Yves Boulard, CEA, University of Paris-Saclay: Study of nucleotide entry into RNA-dependent RNA polymerase by Molecular dynamic simulations
- 12.50 – 12.55** Praveen Papareddy, Lund University: Consumption of antithrombin in patients suffering from severe COVID-19 infections
- 12.55 – 13.25** Panel (Discussions /Questions)

13.25 – 13.35 **Pause**

SESSION 4 (BREAKOUT ROOM 4), DAY 2

DETECT THE VIRUS (D)

12.20 – 12.25 **João Vindeirinho, University of Porto:** The potential of tailed amplicons for SARS-CoV-2 detection in Nucleic Acid Lateral Flow Assays

CONSEQUENCES OF THE PANDEMI (C)

12.25 – 12.35 **Petra Müllerová, Lund University:** COVID tracking apps vs protection of citizens privacy – a legal study of European practice

12.35 – 12.40 **Vladimir Yordanov, Ludwig Maximilian University:** Economic uncertainty and psychological distress as consequences among people at 50 age and older in Europe

12.40 – 12.45 **João Teixeira, University of Porto:** The potential of bike sharing in increasing the resilience of transport systems during disruptive public health emergencies: Insights from Lisbon

12.45 – 12.50 **Rosália Sá, University of Porto:** Implications of treatment of COVID-19 infection for human sperm

ACT AGAINST THE SPREAD OF THE VIRUS (A)

12.50 – 12.55 **Cedric VAN APPELGHEM, University of Paris-Saclay:** Preserving employee health capital thanks to good corporate governance

12.55 – 13.25 **Panel (Discussions /Questions)**

13.25 – 13.35 **Pause**

13.35 – 14.05 **Closing Keynote Speech – Dr. Roger Le Grand, University of Paris-Saclay**

14.05 – 14.20

Closing Day 2