

COVID-19 Immunology, Vaccines and Lessons for the Future

Day 2 - June 10th 2022

Tercentenary Hall L2.15

Trinity Biomedical Sciences Institute, Trinity College Dublin

Session 1 - COVID-19 Disease and Long COVID

Chair: Prof. Rose Anne Kenny, Trinity College Dublin.

- 09.00 **Long COVID – The illness narratives: how patient stories changed our understanding of a new disease.** (pre-record)
Prof. Trish Greenhalgh, University of Oxford, UK.
- 09.30 **Social Determinants of COVID-19**
Prof. Cliona Ní Cheallaigh, St. James Hospital & Trinity College Dublin.
- 10.00 **Using Systems Immunology Approaches to Better Understand Immune Dysregulation in Long COVID Patients and Immune Responses to COVID-19 Vaccines.**
Prof. David Lynn, South Australian Health & Medical Research Institute & Flinders University, Australia.
- 10.30 *Tea/Coffee*

Session 2 - Virus-Host Interaction in COVID-19 Patients

Chair: Prof. Ross McManus, Trinity College Dublin.

- 11.00 **Understanding Variable Immunity to SARS-CoV-2 Infection** (via Zoom)
Prof. Darragh Duffy, Institut Pasteur, France.
- 11.30 **Inflammatory and Protective Immune Responses in Patients Hospitalised with COVID-19**
Prof. Peter Openshaw, Imperial College London, UK.
- 12.00 **Microbes and Immune Modulation during SARS-CoV-2 Infection**
Prof. Liam O'Mahony, University College Cork.
- 12.30 *Lunch*

Session 3 - Short Talks From Post-Doctoral Researchers

Chair: Prof. Mark Little, Trinity College Dublin & Tallaght University Hospital.

- 13.45 **Multomic Spatial Profiling Reveals Mechanistic Basis of COVID-19 Placentitis.** Dr. Éanna Fennell, University of Limerick.
- Inflammatory Biomarker Profiling of Patients with COVID-19.** Dr. Heike Hawerkamp, Trinity College Dublin.
- Investigating Immune Evasion Mechanisms of SARS-CoV-2.** Dr. Juber Herrera-Urbe, Trinity College Dublin.
- Post-COVID symptoms and Potential Immune Biomarkers**
Dr. Liam Townsend, St. James Hospital & Trinity College Dublin.

Session 4 - Viral Immune Modulation and Immunotherapeutics

Chair: Prof. Christine Loscher, Dublin City University.

- 14.30 **Innate Immune Mechanisms of Sensing and Restricting SARS-CoV-2**
Prof. Andrew Bowie, Trinity College Dublin.
- 15.00 **Immuno-thrombosis in COVID-19 Pathogenesis**
Prof. James O'Donnell, Royal College of Surgeons in Ireland.
- 15.30 **Treating COVID-19: Current Therapies and Future Therapeutic Prospects.**
Prof. Luke O'Neill, Trinity College Dublin.
- 16.00 *Tea/Coffee*

Keynote Talk

Chair: Prof. Luke O'Neill, Trinity College Dublin.

- 16.30 **Bats and SARS-CoV-2: the Cause, the Cure or Both?**
Prof. Emma Teeling, University College Dublin.
- 17.10 Close of Day Two