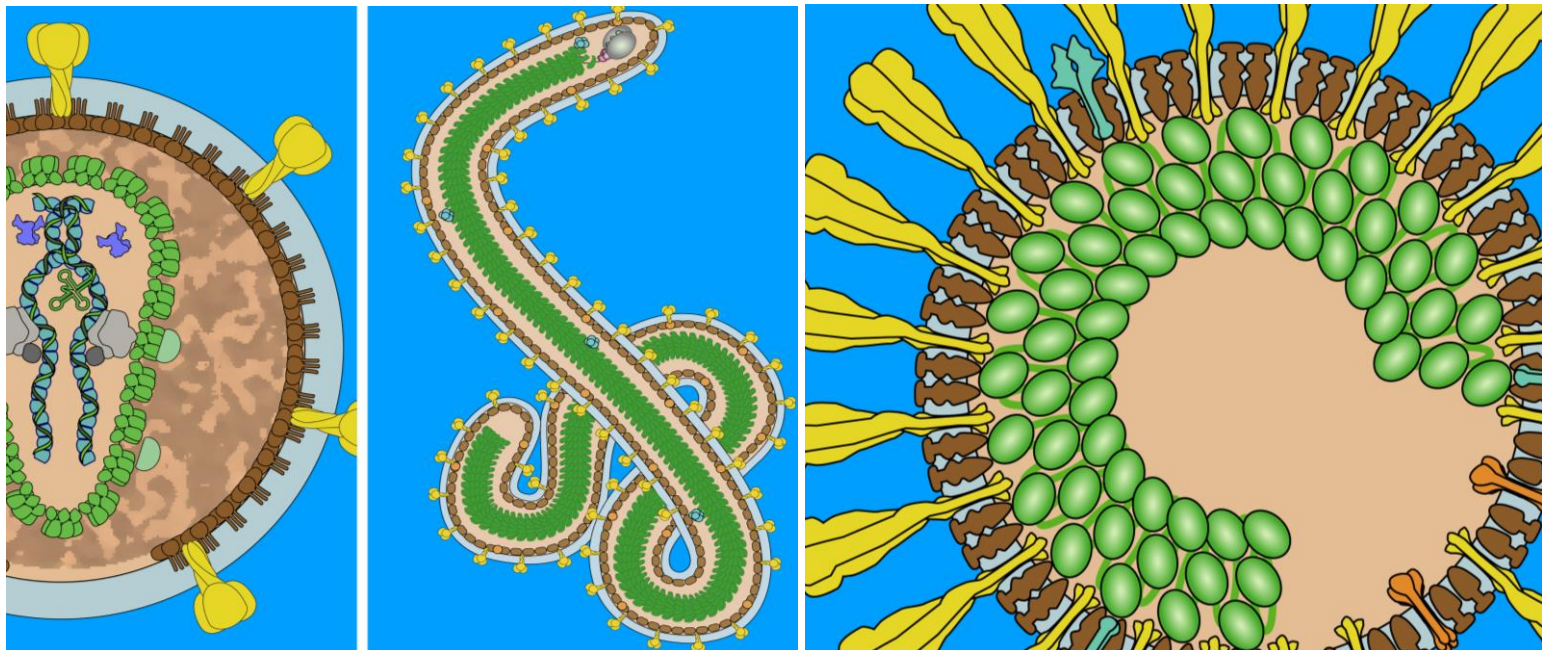


UNDERSTANDING EMERGING VIRAL DISEASES AND THEIR PUBLIC HEALTH IMPACT

3rd Symposium Geneva Centre for Emerging Viral Diseases
December 7-9, 2022, Campus Biotech, Geneva, Switzerland



Program



Hôpitaux
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Program

Wednesday December 7, 2022

11.30 Registration

13.00 Introduction

Isabella Eckerle, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals, Switzerland
Cem Gabay, Dean of the Faculty of Medicine, University of Geneva, Switzerland

Session I: Surveillance, models & biobanks – novel tools to fight virus emergence

Chairs: Jenna Kelly, University of Bern; Keith Harshman, Health 2030 Genome Center

13.25 Modeling emerging infectious diseases: The past, the present, and the future

Christian Althaus, University of Bern, Switzerland

13.50 Wastewater-based Infectious Disease Surveillance

Tanja Stadler, ETH Zürich, Switzerland

14.15 WHO BioHub: the pilot phase

Nicole Liechti, Spiez Laboratory, Switzerland

14.40 Influenza Surveillance

David Wentworth, Centre for Disease Control and Prevention, USA (online)

15.00 Discussion

15.15 Coffee Break

Session II: Poxviruses in the spotlight - Monkeypox and other orthopoxviruses

Chairs: Laurent Kaiser, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals; Meriem Bekliz, University of Geneva, Switzerland

- 15.45 The long and winding road to smallpox eradication**
David Heymann, London School of Tropical Medicine & Hygiene, UK (online)
- 16.10 Waking up to monkeypox**
Piero Olliaro, University of Oxford, UK
- 16.35 Uncovering the evolutionary history of variola virus using ancient DNA**
Barbara Mühlemann, Charite University Hospital Berlin, Germany
- 17.00 A One Health approach of monkeypox in the Central African Republic**
Emmanuel Nakoune, Institute Pasteur, Central African Republic
- 17.20 Discussion**

Evening Lectures (Keynote)

Chairs: Volker Thiel, University of Bern, Manuel Schibler, University Hospitals of Geneva

- 17.40 Welcome note**
Laurent Kaiser, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals, Switzerland

Alain Kolly, Geneva University Hospitals, Switzerland
- 18.00 The origin and genetic history of the plague: What we learn from ancient pandemics**
Johannes Krause, Max Planck Institute for the Science of Human History, Jena and Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany (Online)
- 18.30 Covid-19 and beyond: Understanding emerging viral diseases and their public health impact globally**
Maria van Kerkhove, World Health Organization, Switzerland

Social Program

- 19.00 Aperó Venue:** Foyer Campus Biotech

Program

Thursday December 8, 2022

Session I: Communication, misinformation & the infodemic

Chairs: Isabella Eckerle, Geneva Centre for Emerging Viral Diseases, University of Geneva and Geneva University Hospitals; Emma Hodcroft, University of Bern & Geneva

8.30 The fight against infodemics

Sylvie Briand, World Health Organization, Geneva

8.55 Vaccine hesitancy

Heidi Larson, London School of Tropical Medicine & Hygiene, UK
(Online)

9.20 Three Ps in a Pandemic: On Trust and Truth

Kai Kupferschmidt, Science Journalist, Berlin

9.40 Discussion

10.00 Coffee break

Session II: Panel Discussion

10.30 Science, policy & pandemics –Better prepared for the next crisis?

Panel members:

Matthias Egger, SNSF

Volker Thiel, Vetsuisse Bern

Tanja Stadler, ETH Zürich

Celine Gardiol, Federal Office of Public Health

Alexandra Calmy, Faculty of Medicine, University of Geneva and Geneva University Hospitals

12.00 Lunch Venue: Foyer Campus Biotech

Session III: SARS-CoV-2 immunity: From cells and antibodies to populations

Chairs: Didier Trono, EPFL; Olha Puhach, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals

13.00 Seroprevalence of anti-SARS-CoV-2 antibodies in Geneva: a tale of two years

Maria Eugenia Zaballa, Geneva University Hospitals, Switzerland

13.25 Protective effectiveness of prior SARS-CoV-2 infection and hybrid immunity against Omicron infection and severe disease

Lorenzo Subissi, World Health Organization, Switzerland

13.50 Locking the Entry Door of SARS-CoV-2, are Mucosal Antibodies the Key?

Benjamin Meyer, University of Geneva, Switzerland

14.15 Why are children less affected than adults by SARS-CoV-2 infection? An immunological perspective

Arnaud Didierlaurent, University of Geneva, Switzerland

14.35 Discussion

14.50 Coffee Break

Session IV: Monoclonal antibodies & antiviral drugs against emerging viruses

Chairs: Caroline Tapparel, University of Geneva; Manel Essaidi-Laziosi, University of Geneva

15.20 Novel treatments against SARS-CoV-2

Alexandra Calmy, Geneva University Hospitals, Switzerland

15.45 Broad neutralization: linchpin for HIV vaccine development

Alexandra Trkola, University of Zürich, Switzerland

16.05 Discussion

Session V: The tools to end outbreaks – from science to impact

*Chairs: Arnaud Didierlaurent, University of Geneva; Philippe Le Mercier, Swiss
Institute of Bioinformatics*

- 16.20 Recording viral genomes - development of a live-attenuated vaccine platform**
Volker Thiel, University of Bern, Switzerland
- 16.45 Adapting public health to evolving science is critical to combat emerging pathogens: yet a constant source of failures**
Gary Kobinger, University of Texas Medical Branch, US
- 17.10 Putting existing vaccines to use: Insights from a Hepatitis E Vaccine Study in South Sudan and Beyond**
Andrew Azman, MSF, Geneva, Switzerland and Johns Hopkins Bloomberg School of Public Health
- 17.30 Discussion**
- 17.45 Mini-Break**

Keynote Lectures

*Chairs: Arnaud L'Huillier, University Hospitals of Geneva; Ana Rita Gonçalves
Cabecinhas, University Hospitals of Geneva*

- 17.55 Genomics in a pandemic**
Emma Hodcroft, University of Bern and Geneva University Hospitals, Switzerland
- 18.30 The future of vaccines against respiratory viruses**
Florian Krammer, Icahn School of Medicine at Mount Sinai, USA
(Online)

Social Program

- 19.30 Conference dinner**
Bain des Pâquis, Geneva

Program

Friday December 9, 2022

Session I: Post Covid – what to expect when the pandemic is over?

Chairs: Manuel Schibler, Geneva University Hospitals; Iris Najjar, Geneva University Hospitals

08.15 Post-COVID: a new reality or what's next?
Mayssam Nehme, Geneva University Hospitals, Switzerland

08.40 Post-Covid, the aftershock of the pandemic
Carmen Scheibenbogen, Charité University Hospital, Berlin
(Online)

09.00 Discussion

Session II: Late breakers in emerging viruses

Chairs: Frédérique Jacqueroz-Bausch, Geneva University Hospitals; Nikki Shindo, World Health Organization

09.15 Sudan Ebola virus outbreak in Uganda
Pierre Formenty, World Health Organization, Geneva, Switzerland

09.40 Discussion

09.50 Coffee break

Out of the box: Emerging viruses, ethics and global responsibility

10.10 Ethics in a pandemic
Samia Hurst, University of Geneva, Switzerland

10.35 Access and global responsibility in a pandemic
Maria Guevara, Médecins Sans Frontières, Geneva, Switzerland

10.55 Discussion

Session III: Climate change & a One Health Approach

Chairs: François Chappuis, Geneva University Hospitals; Rafael Ruiz De Castañeda, University of Geneva

11.05 Arboviral diseases & climate Change

Desiree LaBeaud, Stanford University School of Medicine, USA
(Online)

11.30 Emerging viruses form a veterinary perspective

Barbara Wieland, Institute of Virology and Immunology and University of Bern, Switzerland

11.55 Discussion

Award Lecture

12.05 Award Ceremony

Laurent Kaiser, Geneva Centre of Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals, Switzerland

12.15 Award lecture

Richard Neher, Biozentrum Basel

12.45 Closing Remarks & Farewell

Laurent Kaiser, Geneva Centre of Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals, Switzerland

Isabella Eckerle, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine, University of Geneva and Geneva University Hospitals, Switzerland

Practical information

Credits

Credits applications in progress.

Administration

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Organisers

Prof. Laurent Kaiser & Prof. Isabella Eckerle

Geneva Centre for Emerging Viral Diseases

Division of Infectious Diseases and Laboratory of Virology

Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland

More information

 www.unige.ch/emerging-virus-symposium

Venues and sponsors

Venues

Symposium

Campus Biotech

Chemin des Mines 9, 1202 Geneva

Access : Bus n°1, 11, 25, 28, Stop : Jardin Botanique

Dinner

Restaurant Bains des Pâquis

Quai du Mont-Blanc 30, 1201 Geneva

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