Welcome

Dear colleagues,

We are delighted to welcome you to the 2nd Symposium „Understanding Emerging Viral Diseases and their Public Health Impact“, hosted by the Geneva Centre for Emerging Viral Diseases.

Within a short time frame, research on emerging viruses has changed from a small, rather exotic niche within the virology field to a topic of major public health interest, also raising tremendous attention in the community and in the public. The Geneva Centre for Emerging Viral Diseases is dedicated to serve at the interface between fundamental research, translational, clinical and diagnostic virology with a close connection to public & global health – and this is also the mission that we want to reflected in our symposium.

The recent outbreaks of Zika and Ebola have proven once more that we are not prepared, and our talks are dedicated to the important, and sometimes controversial issue in the field of emerging viruses: What can we learn from past and current outbreaks to prepare ourselves for the future? Can we prevent the next emerging viral outbreak? Are we prepared? Or can we even predict it?

In 11 sessions, evening-, award- and keynote-lectures and with a total of 32 speakers from more than 12 countries, we aim to cover the complete picture, and the challenges that we face. Our program is enriched with the medical perspective and the experience from people working in the field: clinical cases, real-life scenarios, lessons from the field, but also specific basic research findings on emerging viruses of high interest, all delivered by international top experts in the field.

We thank you for coming to Geneva, and we also thank our supporters and sponsors to make this exciting symposium possible.

We hope that you will get the best experience you possibly can from this symposium: meet colleagues, get inspired, stimulate exchange and collaborations, and enjoy the first days of spring in our cosmopolitan city located at the beautiful Lac Léman.

Welcome, and enjoy!

Isabella Eckerle & Laurent Kaiser
Program
Wednesday April 10, 2019

11.30  Registration

12.30  Introduction
Laurent Kaiser, Head of Division of Infectious Diseases, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland
Henri Bounaumeaux, Dean of the Faculty of Medicine, University of Geneva, Switzerland

Session I: Arbovirus Emergence in Europe
Chairs: Shindo Nahoko (World Health Organization)
Pascal Cherpillod (Geneva University Hospitals)

12.45  A Case of Autochthonous CCHF Transmission in Spain
Jose Arribas, Hospital Universitario La Paz, Madrid, Spain

12.55  CCHF in Europe – Lessons from Turkey
Tom Fletcher, Liverpool School of Tropical Medicine, Liverpool, UK

13.20  Mayaro, Usutu, West Nile – the Next Emerging Arbovirus?
Jonas Schmidt-Chanasit, Bernhard-Nocht-Institute Hamburg, Germany

13.45  Discussion

14.00  Coffee Break
Session II: Yellow Fever Virus – Old Virus, New Challenges
Chairs: François Chappuis (Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland)
Amadou Sall (Institute Pasteur Dakar)

14.25 A Case of Imported Yellow Fever in Switzerland
Annelies Zinkernagel, University Hospital Zurich, Switzerland

14.35 Severe Yellow Fever – Clinical Experience from Brazil
Ho Yeh Li, University of São Paulo, Brazil

15.00 Epidemiology & Ecology of the YFV Outbreak – why now?
Jan Felix Drexler, Charité Berlin, Germany

15.25 Discussion

15.40 Mini-Break

Evening Lectures

16.00 Welcome Note
Isabella Eckerle, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland
Bertrand Levrat, General Director, Geneva University Hospitals, Switzerland

16.15 Snakebite: From Research to Public Health Interventions
François Chappuis, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland

16.45 Crisis Management in Emergency Situations
Esperanza Martinez, International Committee of the Red Cross, Geneva, Switzerland

Social Program

18.00 Guided Tour of the International Red Cross Museum & Apero
Program  
Thursday April 11, 2019

Session I: Vaccines for Emerging Viruses – the Long and Winding Road to Protection  
Chairs: Olivia Keiser (Institute of Global Health Geneva)  
Ana Rita Gonçalves Cabecinhas (Geneva University Hospitals)

08.30 The Ups and Downs of Dengue Vaccination  
Annelies Wilder-Smith, Initiative for Vaccine Research, WHO, Geneva, Switzerland

08.55 Evolutionary Dynamics of Influenza Viruses  
Colin Russell, Academic Medical Center of the University of Amsterdam, The Netherlands

09.20 Discussion

Session II: Novel Approaches to Tackle Emerging Viruses  
Chairs: Manuel Schibler (Geneva University Hospitals)  
Stephan Günther (Bernhard-Nocht-Institute Hamburg)

09.30 A Mobile Laboratory for Outbreak Situations  
Rudi Pauwels, Praesens Foundation, Belgium

09.40 Precision Global Health – Forecasting Outbreaks?  
Antoine Flahault, Institute of Global Health, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland

10.05 Discussion

10.15 Coffee break

Session III: Emerging Virus of Global Relevance: Measles, Enteric Viruses and HIV  
Chairs: Klara Posfay-Barbe (Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland), Volker Thiel (University Bern)

10.45 Measles Epidemiology – Draw-backs and Current Challenges  
Sabine Santibanez, Robert Koch Institute, Germany

11.10 The Rapidly Evolving World of Enteric Viruses  
Marion Koopmans, Erasmus Medical Centre, Rotterdam, The Netherlands

11.35 HIV Control: Unresolved and Emerging Issues  
Alexandra Calmy, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland

12.00 Discussion

12.15 Lunch  
Venue: Foyer, Campus Biotech
Session IV: Ebola – Recent Challenges and New Approaches
Chairs: Olivier Engler (Federal Office for Civil Protection Switzerland)  
Daniel Bausch (London School of Tropical Medicine and Hygiene)

13.20 Ebola in DRC – a Clinical Point of View
Pauline Vetter, Geneva University Hospitals, Switzerland

13.30 Challenges of the Current Ebola Outbreak in DRC
Pierre Formenty, World Health Organization, Geneva, Switzerland

13.55 Discussion

Session V: Emerging Rodent-borne Viruses: Lassa and Hantaviruses
Chairs: Gary Kobinger (University Laval), Stefan Kunz (University Hospital Lausanne)

14.05 A Case of Imported New World Hantavirus Infection to Switzerland
Cornelia Staehelin, University Hospital Bern, Switzerland

14.15 A Case of Imported Lassa Virus to Germany
Timo Wolf, Goethe University Frankfurt, Germany

14.25 Discussion

14.35 Coffee break

15.00 Lassa Fever – Lessons from the Field
Daniel Bausch, London School of Tropical Medicine & Hygiene, London, UK

15.25 Novel Diagnostics for Lassa Fever in the Field
Stephan Günther, Bernhard Nocht Institute Hamburg, Germany

15.50 Discussion

16.00 Mini break

Keynote Lectures: Virus Discovery and Viruses at the Human-Animal-Interface
Chairs: Antoine Flahault (Institute of Global Health), Isabella Eckerle (Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland)

16.15 Expansion of the RNA Virosphere
Edward Holmes, University of Sydney, Australia

16.45 Microbial Discovery, Surveillance, and Diagnostics
W. Ian Lipkin, Columbia University, New York, USA

17.15 PREDICT and the Global Virome Project
Peter Daszak, Ecohealth Alliance, New York, USA

17.45 Discussion

Social program
19.30 Conference Dinner
Restaurant Vieux-Bois
Program
Friday April 12, 2019

Session I: Emerging Viruses and the Brain
Chairs: Philip Le Mercier (Swiss Institute of Bioinformatics)
       Samuel Cordey (Geneva University Hospitals)

08.30  The South East Asian Encephalitis Project
       Marc Lecuit, Pasteur Institute Paris, France

08.55  Rabies Risk in Europe and Beyond
       Hervé Bourhy, Pasteur Institut Paris, France

09.20  Discussion

Session II: Emerging Viruses from Africa
Chairs: Pauline Vetter (Geneva University Hospitals)
        Cassandra Kelly (Foundation for Innovative New Diagnostics)

09.30  Imported Monkeypox to the UK
       Michael Jacobs, Royal Free Hospital, London, UK

09.55  Arboviruses in Africa – Lessons from Senegal
       Amadou Sall, Pasteur Institute Dakar, Senegal

10.20  Discussion

10.30  Coffee break

Session III: Febrile Illness – the Clinical Approach
Chairs: Jérôme Pugin (Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland)
        Marylyn Addo (University Hospital Hamburg)

10.55  Febrile Illnesses – What if it is not a Virus?
       Daniel Paris, Swiss TPH, Basle, Switzerland

11.20  Discussion
Session IV: Climate Change and the Impact on Emerging Viruses
Chairs: Rafael Ruiz de Castañeda (Institute of Global Health Geneva) 
Micaela Serafini (Médecins Sans Frontières)

11.30 Climate Change and Health in Poor Countries
Rainer Sauerborn, Institute of Public Health, Heidelberg, Germany

11.55 Rift-Valley-Fever Outbreak Assessment by Satellite-based Land Surface Analysis
Assaf Anyamba, University Space Research Association & NASA, Goddard Space Flight Center, USA

12.20 Discussion

12.30 Mini-Lunch – Grab a sandwich

Award lecture

13.00 Award Ceremony
Laurent Kaiser, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland

13.10 Emerging Pathogens then and now - Three Decades of Hunting Deadly Viruses
Pierre Rollin, Atlanta, USA

13.40 A Research Journey through Emerging Viruses
Gary Kobinger, University Laval, Quebec, Canada

14.10 Closing Remarks & Farewell
Laurent Kaiser, Head of Division of Infectious Diseases, University Hospital Geneva, Switzerland
Isabella Eckerle, Geneva Centre for Emerging Viral Diseases, Faculty of Medicine University of Geneva and Geneva University Hospitals, Switzerland
Practical information

Registration procedures
Online registration:
➡️ www.unige.ch/emerging-virus-symposium/registration
Please register by April 8, 2019
Please note that the number of participants will be limited to a maximum of 300.
Registrations on site are possible only if the limit of 300 is not reached

Registration fees
CHF 380.- Regular participants
CHF 200.- Students, HUG and UNIGE/faculty members
CHF 500.- Industry
Included in the registration fee: admission to sessions, symposium badge, conference material, coffee breaks, lunch, social event (Tour of the International Red Cross Museum & apero), certificate of participation, but excl. dinner, accommodation and travel.

Credits
This symposium is recognised by Conference Vetting System
20 CME Swiss Society for Infectious Diseases
We will post more information about the points on our website.

Administration
Mrs Berivan Mutlu & Mrs Martine Moreillon
EmergingVirus.Geneva@hcuge.ch, ☎️ +41 22 372 98 00

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

Dinner
Restaurant Vieux-Bois
Avenue de la Paix 12, 1202 Geneva

Social event
International Red Cross Museum
Avenue de la Paix 17, 1202 Geneva

Sponsors

Gold sponsor

GILEAD

Silver sponsors

Bronze sponsors

ThermoFisher Scientific

abbvie Debiopharm Group®

Fast Track Diagnostics

RUWAG Healthcare

ViiV Healthcare