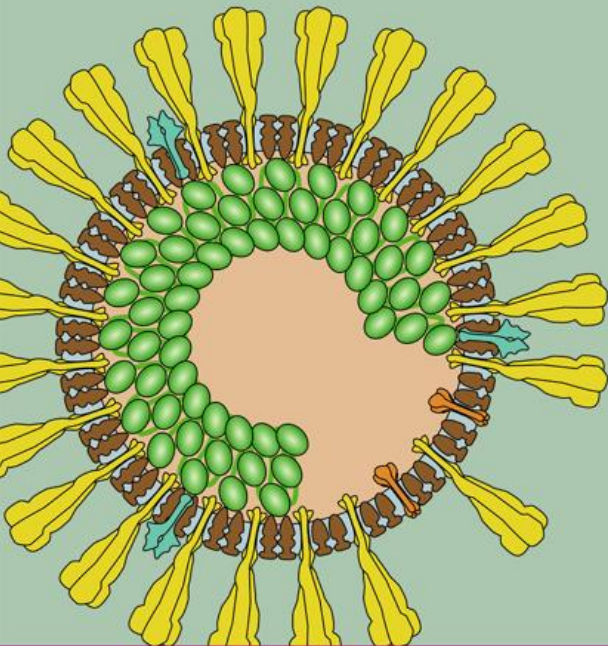


JOINT SYMPOSIUM FROM THE GENEVA CENTRE FOR EMERGING VIRAL DISEASES AND THE CENTRE FOR VACCINOLOGY.

APRIL 7-9, 2025

"EMERGING VIRUSES AND NEW VACCINES - FROM
RESEARCH TO PUBLIC HEALTH"



JOINT SYMPOSIUM

**Geneva Centre for
Emerging Viral Diseases** & **Centre for
Vaccinology**

**Emerging viruses and new vaccines
– from research to public health**

April 7-9, 2025 | Geneva Switzerland



unige.ch/emerging-virus-symposium/

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PROGRAM

Organized in coordinator between the University of Geneva Faculty of Medicine and the Geneva University Hospitals, Switzerland.

MONDAY, APRIL 7TH 2025

8.00 Registration Sponsors

9 :00 Registration Participants

10.00 WELCOME NOTE

Organizers of the symposium

Antoine Geissbühler, Dean of the Medical Faculty, University of Geneva

OPENING LECTURES (KEYNOTE)

Chairs: Arnaud Didierlaurent, Isabella Eckerle

10.15 The current landscape of emerging viruses: WHO's perspective

[Maria van Kerkhove, WHO, Switzerland](#)

10.55 The current landscape of new vaccines and vaccine innovation

[Melanie Saville, PATH, United- Kingdom](#)

SWISS INITIATIVES FOR PANDEMIC PREPAREDNESS

Chairs: Laurent Kaiser, Pauline Vetter

11:40 The Swiss Network for Infectious Diseases Dynamics (SNIDDY)

[Christian Althaus, University of Bern, Switzerland](#)

11.50 Pandemic preparedness in Switzerland

[Parham Sendi, Federal Office of Public Health, Switzerland](#)

12.00 The Center for Pathogen Bioinformatics

[Aitana Neves, Swiss Institute of Bioinformatics, Switzerland](#)

12.10 Pathoplexus: an open-source database for sharing viral pathogen genomic data

[Cornelius Roemer, University of Basel, Switzerland](#)

12.20 Epidemiological surveillance of acute respiratory viral infections at Geneva University Hospitals: Insights and Innovations

[Marie-Céline Zanella Terrier](#) and [Rebecca Grant](#), University Hospitals of Geneva, Switzerland

12.30 The Swiss national program for the surveillance of swine influenza A viruses in pigs and humans

[Julia Lechmann, University of Zurich, Switzerland](#)

12.40 - 14.00 Lunch break

SESSION I: ARBOVIRUSES – IN EUROPE AND ON A GLOBAL SCALE

Chairs: Gilles Eperon, Camille Escadafal

14.00 Clinical primer Arboviruses – in Europe and on a global scale

[Pauline Vetter, University Hospitals of Geneva, Switzerland](#)

14.10 Mosquito surveillance and vector competence in Switzerland

[Eva Veronesi, University of Applied Sciences and Arts of Southern Switzerland \(SUPSI\), Switzerland](#)

14.35 Recent arbovirus circulation in France - Lessons for research, preparedness and response to arboviral emergence

[Xavier de Lamballerie, CNR Arbovirus, Marseille, France](#)

15.00 Vaccines against Arboviruses

[Anna Durbin, Johns Hopkins Bloomberg School of Public Health \(JHSPH\), USA](#)

15.25 Molecular Epidemiology of the Ongoing Oropouche Virus Outbreak: Viral Evolution and Ecological Drivers

[Felipe Gomes Naveca, Fiocruz, Brazilian Ministry of Health, Brazil](#)

15.50 - 16.15 Coffee break

SESSION II: ENTEROVIRUSES

Chairs: Manuel Schibler, Manel Essaidi-Laziosi

16.15 Clinical Primer: Unusual enterovirus CNS infection

[Arnaud L'Huillier, University Hospitals of Geneva, Switzerland](#)

16.25 Enteroviruses - harmless fellow passengers or next disease X?

[Heli Harvala, University of Turku, Finland](#)

16.50 Enteroviruses evolution and diversity

[Emma Hodcroft, Swiss Tropical and Public Health Institute, Switzerland](#)

SESSION III: HOT TOPIC

Chairs: Alexandra Calmy

17.15 Global health in crisis, and then what?

[Karl Blanchet, Geneva Centre for Humanitarian Studies, UNIGE, Switzerland](#)

17.40 *Mini-Break*

EVENING LECTURES (KEYNOTE)

Chairs: Pauline Vetter, Christiane Eberhardt

18.00 **Welcome Note**

Robert Mardini, Director of the University Hospitals of Geneva, Switzerland

18.10 **Lessons learned on Evidence Generation from Small Outbreaks**

[Jakob Cramer, Coalition for Epidemic Preparedness Innovations \(CEPI\), United-Kingdom](#)

18.50 **There will be no warning for the next pandemic**

[Justin Lessler, University of North Carolina Gillings School of Global Public Health, USA](#)

SOCIAL PROGRAM

19.30 *Apero*

TUESDAY, APRIL 8TH 2025

8.00 - 9.00 **Registration**

SESSION I: INFLUENZA VIRUSES

Chairs: Ana Rita Goncalves, Benjamin Meyer

9.00 **Clinical primer: A Curious Case of Swine Influenza A Virus in Switzerland**

[Ronald Dijkman, University of Bern, Switzerland](#)

9.10 **Influenza Vaccines: Progress and Challenges**

[Kanta Subbarao, Laval University, Canada](#)

9.35 **How innate immunity drives influenza-vaccine induced responses: implications for mRNA-based and H5-targeted vaccines**

[Robbert Van der Most, VaxxCellence, Belgium](#)

10.00 **Prepandemic vaccines for H5N1**

[Rory de Vries, Erasmus Medical Centre, The Netherlands](#)

10.25 - 11.00 *Coffee Break*

SESSION II: POXVIRUSES

Chairs: Andrew Azman, Helene Buvelot

11.00 Clinical primer: A case of mpox reinfection

[Stefano Musumeci, University Hospitals of Geneva, Switzerland](#)

11.10 Emergence of Mpox in the Post-Smallpox Era

[Placide Mbala, National Institute of Biomedical Research, Democratic Republic of Congo](#)

11.35 MPX Clinical Trials: Unraveling a Complex Journey

[Alexandra Calmy, University Hospital of Geneva, Switzerland](#)

12.00 Mpox vaccines from research to public health use

[Kari Johansen, The Public Health Agency, Sweden](#)

12.25 Mpox: the return of Smallpox?

[Laurent Kaiser, University Hospital of Geneva, Switzerland](#)

12.50 -14.00 Lunch Break

SESSION III: CORONAVIRUSES

Chairs: Natacha Madelon, Olha Puhach

14.00 Adaptive immune responses are larger and functionally preserved in a COVID-19 hypervaccinated individual

[Kilian Schober, University Hospital Erlangen-Nürnberg, Germany](#)

14.15 Viral Evolution and Scientific Leadership in the Global South

[Tulio de Oliveira, Stellenbosch University, South Africa](#)

14.40 Dissecting human immunity to a MERS vaccine candidate

[Marylyn Addo, University Medical Center Hamburg-Eppendorf, Germany](#)

15.05 Towards a pan-sarbecovirus vaccine to protect against SARS-CoV-2 variants and animal sarbecoviruses without updating

[Pamela Bjorkman, California Institute of Technology, USA](#)

15.30 -16.00 Coffee Break

SESSION IV: ANIMAL VACCINATION AND THE ONE HEALTH APPROACH

Chairs: Marylyn Addo, Geraldine Blanchard-Rohner

16.00 Preparing for arboviruses in a changing delta

[Marion Koopmans, Erasmus Medical Centre, The Netherlands](#)

16.25 Zoonotic Influenza Viruses: Pandemic risks and One-Health Perspectives

[Martin Beer, Friedrich-Loeffler-Institute, Germany](#)

16.50 Animal Vaccination and One Health Approach

[Joris Vandeputte, IABS/VacciM, Belgium](#)

17.15 Prospects and approaches for hunting viral spillovers: Nipah virus in Bangladesh as a case study

[Emily Gurley, Johns Hopkins Bloomberg School of Public Health \(JHSPH\), USA](#)

17:40 Mini Break

EVENING LECTURE (KEYNOTE)

Chairs: Isabella Eckerle, Arnaud Didierlaurent

18.00 Emerging viruses & vaccination in times of humanitarian crisis

[Jerome Singh, University of Toronto, Canada](#)

SOCIAL PROGRAM

19.15 Conference dinner

WEDNESDAY, APRIL 9TH 2025

8.00 - 9.00 Registration

SESSION I: MARBURG VIRUS DISEASES

Chairs: Frédérique Jacquerioz, Michael Bel

09.00 Clinical Primer: update on Marburg outbreaks

[Frédérique Jacquerioz, University Hospital of Geneva, Switzerland](#)

09.10 Marburg outbreak Rwanda

[Eric Seruyange, University of Rwanda, Rwanda](#)

09.35 Treatment trials for Marburg virus

[Amanda Rojek, University of Oxford, United-Kingdom](#)

10.00 Vaccination against Marburg

[Gene G Olinger, University of Texas Medical Branch, USA](#)

10.25 Genomic and Transmission Dynamics of the 2024 Marburg Virus Outbreak in Rwanda

[Raissa Muvunyi, Rwanda Biomedical Centre, Rwanda](#)

10.50 -11.15 Coffee break

SESSION II: TOWARDS ERADICATION BY VACCINATION

Chairs : Paul-Henri Lambert et Kamel Senouci

11.15 Measles eradication, challenges and perspectives

[Peter Strebel, Independant Consultant, Switzerland](#)

11.40 Poxvirus eradication

[David Heymann, London School of Hygiene and Tropical Medicine, United-Kingdom](#)

12.05 Polio eradication

[Ondrej Mach, WHO, Switzerland](#)

12.40 CLOSING REMARKS & FAREWELL



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ADMINISTRATION & INFORMATION

Mrs Nuria Sagarra

Email: EmergingVirus.Geneva@hcuge.ch

Mobile: +41 79 553 33 99

Mrs Flavie Faës

PATIM

Mobile: +41 (0)22 379 57 78

Email: flavie.faes@unige.ch

Website: <https://www.hug.ch/centre-maladies-virales-emergentes>

ORGANISERS

Prof. Isabella Eckerle & Dr Pauline Vetter - Pr Arnaud Didierlaurent & Dr Christiane Eberhardt

Center for Emerging Viral Disease & Center for Vaccinology

Faculty of Medicine and Geneva University Hospitals, Switzerland

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