



## 10th International Global Virus Network (GVN) meeting: Eradication and control of (re-) emerging viruses

Organized by the Global Virus Network (GVN), The Mérieux Foundation (MF) &  
University of Veterinary Medicine Hannover (TiHo)

Les Pensières Center for Global Health  
Veyrier-du-Lac - France

November 28-30th, 2018



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## Scientific Organising Committee

» Christian Bréchet, MD, PhD, University of South Florida; Romark LLC Institute for Medical Research and the Global Virus Network

» Robert C. Gallo, MD, Institute of Human Virology at the University of Maryland School of Medicine and the Global Virus Network

» Ab Osterhaus, DVM, PhD, University of Veterinary Medicine Hannover and the Global Virus Network

» Hubert Endtz, MD, PhD, Fondation Mérieux and the Global Virus Network

» Valentina Picot, DVM, Fondation Mérieux and the Global Virus Network

» Natalia Mercer, PhD, Global Virus Network

» Juliet Bryant, PhD, Fondation Mérieux and the Global Virus Network

» Meeting Coordinator: Cindy Grasso, Fondation Mérieux



# Scientific Programme

Wednesday, November 28th, 2018

13:00 - 13:30	Registration	
13:30 - 14:00	Welcome addresses	Christian Bréchet, Global Virus Network Alain Mérieux, Foundation Mérieux Ab Osterhaus, University of Veterinary Medicine Hannover

## Session 1

### Eradication of viruses

Chair: Diane Griffin

(20 min presentation + 5 min discussion for each speaker)

14:00 - 14:25	Smallpox	Mariano Esteban, CNB, Spain
14:25 - 14:50	Prospects for measles virus eradication	Diane Griffin, JHU, USA
14:50 - 15:15	Polio eradication- where are we	Michel Zaffran, WHO, Switzerland
15:15 - 15:40	SARS eradication	Leo Poon, University of Hong Kong, China
15:40 - 16:05	Animal reservoirs in disease control and eradication	Joaquim Ségales, CRESA, Spain
16:05 - 16:35	Coffee break	
16:35 - 17:00	CEPI: development of vaccines for emerging viruses	Georges Thiry, CEPI, France

## Session 2

### Retroviruses: emergence and intervention strategies

Chair: Sharon Lewin

(20 min presentation + 5 min discussion for each speaker)

17:00 - 17:25	Factors that control HIV persistence on antiretroviral therapy	Sharon Lewin, Doherty Institute, Australia
17:25 - 17:50	Long acting slow effective release antiretroviral therapy for HIV-1 elimination	Howard E. Gendelman, University of Nebraska Medical Center, USA
17:50 - 18:15	Epidemiology and origin of HTLV-1 and related viruses infection	Antoine Gessain, Pasteur Institute, France



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18:15 - 18:40	HIV in the Caribbean	Joshua James Anzinger, The University of the West Indies, Jamaica
18:40 - 19:05	The most unusual lecture: nightmares of a viral oncologist	Robert C. Gallo, IHV at UMD, USA
19:15	Dinner	

Thursday, November 29th, 2018

## Session 3

### Arboviruses: emergence and intervention strategies

Chairs: Scott Weaver & Juliet Bryant

(20 min presentation + 5 min discussion for each speaker)

8:05 - 8:30	Antivirals, a lot has been achieved, yet far to go	Johan Neyts, University of Leuven, Belgium
8:30 - 8:55	Yellow fever update	Maurício Lacerda Nogueira, FAMERP, Brazil
8:55 - 9:20	The south-east Asia encephalitis project	Marc Lecuit, Pasteur Institute, France
9:20 - 9:45	Dengue vaccines	Annelies Wilder-Smith, WHO, Switzerland
9:45 - 10:10	ZIKA and CHIKV: evolution, epidemiology and vector transmission	Scott Weaver, UTMB, USA
10:10 - 10:40	Coffee break	
10:40 - 11:05	Japanese encephalitis virus	Masayuki Saijo, NIID, Japan
11:05 - 11:30	Diagnostics and emergence potential of arboviruses	Xavier de Lamballerie, Aix-Marseille University, France
11:30 - 11:55	Surveillance of viral zoonoses in Africa	Aaron S. Mweene, University of Zambia, Zambia
12:00 - 14:20	Group picture and lunch	





# Scientific Programme

## Session 4

### Filo- and other HF viruses: outbreaks & preparedness

Chair: Stephan Becker

(20 min presentation + 5 min discussion for each speaker)

14:20 - 14:45	Marburg and Ebola virus	Stephan Becker, University of Marburg, Germany
14:45 - 15:10	Molecular and functional diversity of Hantaviruses	Noel Tordo, Pasteur Institute, Guinea-France
15:10 - 15:35	Broad and potent antibodies against Ebolaviruses and Lassa: insights from structure	Erica Ollman Saphire, Scripps, USA
15:35 - 16:00	Nearly 50 years of Lassa fever – the road ahead	Robert Garry, Tulane University, USA
16:00 - 16:30	Coffee break	

## Session 5

### Respiratory viruses

Chair: Ab Osterhaus

(20 min presentation + 5 min discussion for each speaker)

16:30 - 16:55	Pathogenesis and impact of respiratory viruses	Peter Openshaw, Imperial College London, UK
16:55 - 17:20	Human respiratory viruses: new kids on the block	Ab Osterhaus, University of Veterinary Medicine Hannover, Germany
17:20 - 17:45	RSV F glycoprotein structure determines vaccine immunogenicity in a phase I clinical trial	Michelle Crank, NIH, USA
17:45 - 18:10	Influenza universal vaccines	Adolfo Garcia-Sastre, Icahn School of Medicine at Mt. Sinai, USA
18:10 - 18:35	Respiratory viral infections in immunocompromised hosts	Meagan Deming, IHV, USA
18:35 - 19:05	Poster session	Nicole Mérieux room
19:15	Dinner	



# Scientific Programme

Friday, November 30th, 2018

## Session 6

Viruses affecting the CNS and PNS: challenges  
Chair: Thomas Müller  
(20 min presentation + 5 min discussion for each speaker)

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(20 min presentation + 5 min discussion for each speaker)

8:30 - 8:55	HEV and neurological disease	Harry Dalton, Retired Gastroenterologist, Truro, UK
8:55 - 9:20	Wildlife rabies control: latest achievements and challenges ahead	Thomas Müller, Friedrich-Loeffler-Institute, Germany
9:20 - 9:45	Hand, Foot and Mouth Disease (HFMD): clinical manifestations, host-virus interactions to antiviral strategies	Justin Chu, National University, Singapore
9:45 - 10:10	Virus-host interactions in herpesvirus infections of human nervous tissue	George Verjans, Erasmus MC, The Netherlands
10:10 - 10:35	Flaviviruses	Jim Sejvar, CDC, USA
10:35 - 11:05	Coffee break	

## Session 7

**Viral threats in crisis settings**  
Chair: Hubert Endtz  
(20 min presentation + 5 min discussion for each speaker)

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(20 min presentation + 5 min discussion for each speaker)

11:05 - 11:30	Respiratory infections among refugees	Hubert Endtz, Fondation Mérieux, France
11:30 - 12:30	Global health roundtable	James W. Le Duc, University of Texas, USA Sharon Lewin, Doherty Institute, Australia Erica Ollman Sapphire, Scripps, USA Georges Thiry, CEPI, France Ab Osterhaus, University of Veterinary Medicine Hannover, Germany
12:30 - 12:40	The GVN Robert C. Gallo award for scientific excellence and leadership ceremony	Christian Bréchet, GVN
12:40 - 12:45	Next GVN's meeting announcement	Joaquim Ségales, CRESA, Spain
12:45	Closing remarks & end of the meeting	