



The Zika Menace in the Americas: Challenges and Perspectives

Zika Virus Infection: Achievements and Challenges One Year After Declaration of Emergency in Brazil

Preliminary Program

November 7th

11:00 – 11:40

Opening Ceremony

Ricardo Barros (Brazilian Health Minister)
 Paulo Gadelha (President, Fundação Oswaldo Cruz - Fiocruz)
 Francisco Sampaio (President, Academia Nacional de Medicina - ANM)
 Luiz Davidovich (President, Academia Brasileira de Ciências - ABC)
 Marcello Barcinski (Organizer, ANM and ABC)
 Wilson Savino (Organizer, ABC and Fiocruz)

11:40 – 12:30

Opening Lecture

Chairperson – Eduardo M. Krieger (ANM, ABC and Universidade de São Paulo - USP) **to be confirmed**
 Mauricio Barreto (Fiocruz, Bahia) – **Zika Virus and Microcephaly in Brazil: a Scientific Agenda**

12:30 – 14:00

Lunch

- 14:00 – 15:30** **Strategies for Vector Control**
 Chairperson – Sinval Pinto Brandão Filho (Fiocruz, Pernambuco)
 Fiona Hunter (Brock University, Canada) – **Zika Virus Vector Research in Dominican Republic and Canada**
 Luciano Andrade Moreira (Fiocruz, Minas Gerais) – **When a Bacterium Could Help on the Fight Against Arbovirus**
 Sergio Luz (Fiocruz, Amazonas) – **Urban Mosquito Control with Mosquito-Disseminated Pyriproxifen**
- 15:30 – 16:20** **Conference**
 Chairperson – Carlos Morel (ABC and Fiocruz, Rio de Janeiro)
 Ian Lipkin (Columbia University, USA) – **Small Game Hunting: from Autism to Zika**
- 16:20 – 16:40** **Coffee Break**
- 16:40 – 18:40** **Zika Outbreak in Brazil: Clinical and Epidemiological Aspects**
 Chairperson – **to be defined**
 Leila Chimelli (Instituto Estadual do Coração, Rio de Janeiro) – **Neuropathological Characterization of the Congenital Infection by Zika Virus**
 Fernanda Tovar Moll (Instituto D’Or de Pesquisa e Ensino and Universidade Federal do Rio de Janeiro - UFRJ) – **Imaging Congenital Zika Virus Infection: Beyond Microcephaly**
 Guilherme de Souza Ribeiro (Fiocruz, Bahia) – **Arboviral Diseases in Salvador, Brazil: Perspectives from an Outbreak Epicenter**
 Adriana Melo (Instituto de Saúde Elpídio de Almeida, Paraíba) – **Arboviruses in Pregnancy: What We Know; What We Don't Know**

November 8th:

- 9:00 – 10:20** **Zika Outbreak in the Americas: Clinical and Epidemiological Aspects (Part 1)**
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| Argentina | Robert Chuit |
| Bolivia | Luis Elvin Molinedo Peres |
| Colombia | Martha Lucia Ospina Martinez To be confirmed |
| Ecuador | Marco Neira |

- 10:20 – 10:40** **Coffee Break**
- 10:40 – 12:00** **Zika Outbreak in the Americas: Clinical and Epidemiological Aspects (Part 2)**
 Mexico Alfredo Ponce de Leon
 Peru Cesar Cabezas Sanchez
 USA Albert Ko
 Venezuela Alejandro Risquez
- 12:00 – 12:30** **Discussion**
- 12:30 – 14:00** **Lunch**
- 14:00 – 15:30** **Organization of Networks to Tackle the Zika Menace**
 Chairperson – Wilson Savino (ABC and Fiocruz, Rio de Janeiro)
 Jerson Lima (ANM, ABC and Fundação de Amparo à Pesquisa do Rio de Janeiro - FAPERJ) – **The Organization and Management of a Research Network in Zika by a Granting Agency: the FAPERJ Network as a Case**
 Maria Elisabeth Lopes Moreira (Fiocruz, Rio de Janeiro) – **Setting up and Managing an International Effort to Cope with a Human Health Crisis: the Zika Outbreak in Brazil as a Case**
- 15:30 – 17:30** **Mobilizing Health Agents to Overcome Global Health Crisis: the Role of International Cooperation**
 Chairperson – Celso Ferreira Ramos Filho (ANM and Universidade Federal do Rio de Janeiro - UFRJ)
 Jorge Neira (InterAcademy Panel - IAP, Health)
 Enrique Vázquez (Pan-American Organization of Health - PAHO and World Health Organization - WHO)
 Albert Icksang Ko (National Academy of Medicine - NAM, USA)
 Jeremy McNeil (Inter American Network of Academies of Science - IANAS)
- 17:30 – 18:00** **Coffee Break**
- 18:00 – 19:10** **Conference**
 Chairperson – Paulo Buss (ANM and Fiocruz, Rio de Janeiro)
 Ilona Kickbusch (Director, Global Health Centre, Graduate Institute of International and Development Studies, Switzerland) – **Alternatives for Better Managing Global Health Crises**

November 9th

- 9:00 – 11:00** **Approaching the Zika Virus Epidemic**
 Chairpersons – Rodrigo Stabeli and Myrna Bonaldo (Fiocruz, Rio de Janeiro)
 Paolo Zannotto (Universidade de São Paulo - USP) – **The Double Emergence of Zika in the Last 70 Years**
 Maria van Kerkhove (Institut Pasteur, France) – **Our Global Understanding of Zika Virus and What May Happen Next**
 Nísia Trindade Lima (Fiocruz, Rio de Janeiro) – **Zika Epidemic: Challenges for the Society and Research Agenda in Networks of Social Sciences and Humanities**
 Helder Nakaya (Universidade de São Paulo - USP) – **Systems Biology of Zika Infection**
- 11:00 – 11:30 -** **Coffee Break**
- 11:30 – 13:00** **Zika Epidemic: Therapeutic and Prophylactic Approaches**
 Chairperson – Paolo Zannotto (Universidade de São Paulo - USP)
 Amilcar Tanuri (Universidade Federal do Rio de Janeiro - UFRJ) – **Use of Chloroquine to Inhibit Zika Virus Replication in Different Cellular Models**
 Mauro Martins Teixeira (Universidade Federal de Minas Gerais - UFMG) – **Developing Disease-Modifying Drugs to Counteract Zika Infection**
 Leda Castilho (Universidade Federal do Rio de Janeiro - UFRJ) – **Rapid Development of a DNA Vaccine for Zika Virus**
- 12:30 – 14:00** **Lunch**
- 14:00 – 15:30** **Zika Virus and Microcephaly**
 Chairperson – Ana Maria Bispo de Filippis (Fiocruz, Rio de Janeiro)
 Patricia Brasil (Fiocruz, Rio de Janeiro) – **Clinical Findings of Zika Virus Infection**
 Lavinia Schuler Faccini (Universidade Federal do Rio Grande do Sul - UFRGS) – **Defining the Congenital Zika Virus Syndrome Phenotype**

Patricia Beltrão Braga (Universidade de São Paulo - USP) –
Modeling the Zika Virus Infection in the Brain: Steps to Understand the Mechanism of Pathology and Create a Platform for Drug Screening

- 15:30 – 16:30** **Experimental Approaches to Study Zika Virus and Microcephaly**
 Chairperson – Cecília Hedin-Pereira (Fiocruz, Rio de Janeiro)
 Steven Rehen (Instituto D’Or de Pesquisa e Ensino and Universidade Federal do Rio de Janeiro - UFRJ) – **New Insights on the Biology of Zika Virus Infection Using iPS Cells**
 Jean Pierre Peron (Universidade de São Paulo - USP) – **Zika Virus and Experimental Model for Microcephaly**
- 16:30 – 17:00** **Coffee Break**
- 17:00 – 18:30** **Oral Presentations of Selected Abstracts**

November 10th

- 9:00 – 10:30** **Diagnosis for Zika Virus**
 Chairperson – Cláudio Tadeu Daniel Ribeiro (ANM and Fiocruz, Rio de Janeiro)
 Alexandre Dias T. Costan (Fiocruz, Paraná) – **Towards the Development of a True POC Test for Detection of Zika, Dengue and Chikungunya Viruses**
 Zilton Vasconcelos (Fiocruz, Rio de Janeiro) – **Challenges for Zika Molecular Detection and Serology During Pregnancy**
 Marcos da Silva Freire (Fiocruz, Rio de Janeiro) – **Development of a Molecular Assay for Zika, Dengue and Chikungunya**
- 10:30 – 11:00** **Coffee Break**
- 11:00 – 12:30 -** **Zika Infection in Adults**
Chairperson – To be confirmed
 Fernando Bozza (Fiocruz, Rio de Janeiro) – **Title to be confirmed**
 Osvaldo Nascimento (Universidade Federal Fluminense, Niteroi) – **Zika Virus Associated Neurological Manifestations in Adults**
 Alexandre Morrot (Universidade Federal do Rio de Janeiro - UFRJ) – **Anti-GD3 Autoantibodies in Zika Virus Infected Patients**

- 12:30 – 14:00** **Lunch**
- 14:00 – 15:00** **The History of a Discovery: From the Tip of the Iceberg to a Public Health Emergency of National Concern**
Chairperson – Roberto de Andrade Medronho (Universidade Federal do Rio de Janeiro - UFRJ)
Adriana Melo (Instituto de Saúde Elpídio de Almeida, Paraíba) and Ana Maria Bispo de Filippis (Fiocruz, Rio de Janeiro)
- 15:00 – 16:45** **Zika Virus Epidemic: What’s Next?**
Chairperson – Wilson Savino (ABC and Fiocruz, Rio de Janeiro)
Mauricio Barreto, Roberto de Andrade Medronho, Patricia Brasil, Mauro Martins Teixeira, Marcos da Silva Freire and Adriana Melo
- 17:00 – 18:00** **Tea with Members of Academia Nacional de Medicina - ANM**
- 18:00 – 19:00** **Closing Lecture**
Chairperson – Marcello A. Barcinski (ANM and ABC)
Pedro Vasconcelos (Instituto Evandro Chagas, Pará) – **Coping With a Zika Virus Epidemic: Lessons, Achievements and Challenges**
- 19:00** **Closing Ceremony**