February 13-16, 2020 * Washington DC, USA



Thursday, February 13, 2020

17:00	Registration Opens at the Marriott at Metro Center
18:00	Welcome Reception

Friday, February 14, 2020

08:00	Registration, Poster Viewing and Visit the Exhibition
09:00	Opening Remarks
09:15 - 10:30	SESSION 1 - FLAVIVIRUSES INTERACTION Chairperson: David Freedman , USA
09:15	KEYNOTE LECTURE: Friend or Foe - Antibody Responses to Dengue and Zika Virus Infections Eva Harris, Division of Infectious Diseases and Vaccinology, School of Public Health, University of California, Berkeley, USA
09:45	Severity and Outcomes of Dengue in Hospitalized Children from Five Hospitals in Jamaica During the 2018-2019 Epidemic: Is this due to Antibody Dependent Immune Enhancement from ZIKA Virus Exposure? Aileen Lue 1. Pediatric Residency, Bustamante Hospital for Children, Kingston, Jamaica 2. Pediatric Residency Program, University of the West Indies, Kingston, Jamaica

Friday, February 14, 2020 (Cont.)

09:15 - 10:30	SESSION 1 - FLAVIVIRUSES INTERACTION (Cont)
09:55	Enhancement of Dengue Viremia is Apparent in both Plasma and Serum from Zika Virus Exposed Macaques and Correlates with Cross-reactive Non-neutralizing Antibody Responses Joseph Mattapallil, Microbiology and Immunology, Uniformed Services University, Bethesda, MD, USA
10:05	The Frequency and Clinical Presentation of Zika Virus Co- Infections: A Systematic Review Ludmila Lobkowicz , Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine, London, UK
10:15	Trends in Dengue – The Jamaican Experience Karen Webster-Kerr 1. National Epidemiology Unit, Ministry of Health and Wellness, Kingston, Jamaica 2. Zik Action Research Initiative, The University of the West Indies, Mona, Kingston, Jamaica
10:25	Q & A
10:30	Coffee, Poster Viewing and Visit the Exhibition

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12:15



Friday, February 14, 2020 (Cont.)

11:00 - 12:15	SESSION 2 - EPIDEMIOLOGY Chairperson: Moritz Kraemer , UK
11:00	Flaviviruses Duane J. Gubler, Programme in Emerging Infectious Diseases, Duke-NUS Medical School, Singapore
11:25	Chikungunya Virus Disease and Dengue among European Union Travellers, 2018 Celine Gossner, Surveillance and Response Support Unit, European Centre for Disease Prevention and Control (ECDC), Solna, Sweden
11:45	Portable DNA Sequencing in Brazil: Impacting the Response to the Arboviral Diseases on the Ground, Providing a Snapshot of their Complex Dynamic's Evolution Marta Giovanetti, Reference Laboratory of Flavivirus, Instituto Oswaldo Cruz, Fiocruz, Rio De Janeiro, Brazil
11:55	Molecular Epidemiology of Chikungunya Outbreak in Republic of Congo in 2019 And its Correlation With The Invasion of Aedes Albopictus into the Country Eiji Ido , Department of Molecular Virology, Graduate School of Medicine, Chiba University, Chiba, Japan
12:05	Leveraging Multiple Data Types to Estimate the True Size of the Zika Epidemic in the Americas Sean Moore , Biology, University of Notre Dame, South Bend, USA

Collect Lunch from the Buffet

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Friday, February 14, 2020 (Cont.)

12:45 - 14:00	LUNCH SYMPOSIUM: Novel Coronavirus (2019-nCoV) Chair: Eli Schwartz , Israel
	Epidemiology and Clinical Aspects
12:45	David Freedman , Travax, Shoreland, Inc & Division of Infectious Diseases, University of Alabama at Birmingham, Birmingham, Alabama, USA
13:05	Coronavirus: The ECDC Perspective Celine Gossner, Surveillance and Response Support Unit, European Centre for Disease Prevention and Control (ECDC), Solna, Sweden
13:20	What We Might Expect From the (Wuhan) Coronavirus 2019- nCoV In Pregnant Women: Evidence from SARS, MERS and Other Human Coronavirus Infections David Alan Schwartz , Clinical Professor, Medical College of Georgia, Augusta, United States & Springer Nature Series Editor, "Global Maternal and Child Health: Medical, Anthropological and Public Health Perspectives"
13:30	Rapid Vaccine Development for Emerging Viruses – 2019- nCoV Kaitlyn Morabito , Vaccine Research Center, National Institute of Allergy and Infectious Diseases, National Institutes of Health, USA
13:50	Interactive Discussion with Participants
14:00	Networking Break, Posters and Visit the Exhibition

Friday, February 14, 2020 (Cont.)

14:30 - 16:05	SESSION 3 - DIAGNOSIS & LABORATORY ASPECTS Chairperson: Martin P. Grobusch, The Netherlands
14:30	Dengueviruses John WA Rossen, Department of Medical Microbiology and Infection Prevention, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands
14:55	Genomic Surveillance of Emerging and Re-Emerging Arboviruses in Brazil and Angola Nuno Rodrigues Faria, Department of Zoology, Balliol College, University of Oxford, UK
15:15	Diagnosis of Zika Virus in Israeli Travelers - Can We Safely Get Pregnant? Yaniv Lustig , Central Virology Laboratory, Ministry of Health, Tel Hashomer, Israel
15:35	Persistence of ZIKV-IgG overtime is not a useful marker of the infection in infants born to ZIKV-infected mothers. Marisa Mussi-Pinhata, Pediatrics, Ribeirao Preto Medical School, University of Sao Paulo, Ribeirao Preto, Brazil
15:45	Detection of Chikungunya Virus in Bodily Fluids (INOVACHIK Study) Guilherme Calvet , Acute Febrile Illnesses Laboratory, National Institute of Infectious Diseases, Oswaldo Cruz Foundation, Rio De Janeiro, Brazil
15:55	Genomic Surveillance of DENV-1 AND DENV-2 Viral Transmission in Brazil Luiz Carlos Junior Alcantara 1. Laboratório De Genética Celular E Molecular, Universidade

2. Laboratório De Flavivírus, Instituto Oswaldo Cruz, Fiocruz, Rio De

Federal De Minas Gerais, Belo Horizonte, Brazil

Janeiro, Brazil

Friday, February 14, 2020 (Cont.)

16:05	Coffee, Poster Viewing and Visit the Exhibition	
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16:30 - 17:30	SESSION 4 - AEDES ENTOMOLOGY AND CONTROL Chairperson: Duane J. Gubler , Singapore
16:30	KEYNOTE LECTURE: Past and Future Spread of Aedes Borne Viruses Moritz Kraemer, Department of Zoology, University of Oxford, Oxford, UK
17:00	Moving the Needle for Genetic Control of Aedes Aegypti Kevin Gorman , Field Operations, Oxitec Ltd, Abingdon, UK
17:15	Functional and Structural Characterization of Novel Insect-Restricted Negev Viruses and Their Interaction with Mosquito Host Cells Alexander Rouvinski, Microbiology and Molecular Genetics, Hebrew University of Jerusalem Jurio, the Kuvin Center for
	Hebrew University of Jerusalem, Imric, the Kuvin Center for the Study of Infectious and Tropical Diseases, Jerusalem, Israel
17:30	End of Day's Sessions

Saturday, February 15, 2020

09:00 - 10:30	SESSION 5 - CLINICAL ASPECTS I Moderator: Celina Turchi-Martelli , Microcephaly Epidemic Research Group, Instituto de Pesquisa Aggeu Magalhaes, Fiocruz Pernambuco, Recife, Brazil
	ROUND TABLE: Congenital Zika Syndrome -The Brazilian Experience
9:00	Introduction Celina Turchi-Martelli , Microcephaly Epidemic Research Group, Instituto de Pesquisa Aggeu Magalhaes, Fiocruz Pernambuco, Recife, Brazil
9:05	Surveillance of Congenital Anomalies in Brazil Valdelaine Etelvina Araújo, Department of Health Analysis and Surveillance of Noncommunicable Diseases, Ministry of Health, Brasília, Brazil
9:20	Ongoing Brazilian Pregnant Cohort Studies: Findings and Research Challenges Ricardo Ximenes, MERG- Microcephaly Epidemic Research Group, Federal University of Pernambuco and State University of Pernambuco, Recife, Pernambuco, Brazil
9:35	Neurodevelopment of Infants with Congenital Zika Syndrome Demócrito Miranda-Filho , HUOC, Universidade De Pernambuco, Recife, Brazil
9:50 10:05	Early and Late Ophthalmologic Abnormalities in Congenital Zika Syndrome Liana Ventura, Altino Ventura Foundation, Recife, Pernambuco, Recife, Brazil Discussion
10:30	Coffee, Poster Viewing and Visit the Exhibition

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Saturday, February 15, 2020 (Cont.)

11:00 - SESSION 6 - MORE ON ZIKA

12:30 Chairperson: David Alan Schwartz, USA

Assessment of Surveillance and Screening Programs for Congenital Zika Defects in the Americas

Luxi Qiao

11:00 1. School of Medicine, Washington University in St. Louis, St. Louis, USA

2. Dept. Of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine, London, UK

Are Non-Microcephalic Infants Born to Mothers with ZIKA Virus Infection More Subject to Delayed Neurodevelopment than ZIKV-

11:10 Unexposed Infants?

Marisa Mussi-Pinhata, Pediatrics, Ribeirao Preto Medical School, University of Sao Paulo, Ribeirao Preto, Brazil

Overview and Preliminary Results of the ZIKAction Vertical Transmission Study in Jamaica

Celia DC Christie

11:20 1. Child and Adolescent Health, University of the West Indies, Kingston, Jamaica

2. ZiKAction Research Consortium, University of Padova, Padova, Italy

Early Epilepsy in Children with Zika-Related Microcephaly in a Cohort in Recife, Brazil: Characteristics, EEG Findings and

11:30 Treatment Response

Ricardo Ximenes, Universidade Federal De Pernambuco, Ufpe, Recife, Brazil

Birth Defects Associated with Microcephaly in Live Births in Brasil from 2010 to 2018

11:40 **Valdelaine Etelvina Araújo**, Department of Health Analysis and Surveillance of Noncommunicable Diseases, Ministry of Health, Brasília, Brazil

Saturday, February 15, 2020 (Cont.)

11:00 - 12:30	SESSION 6 - MORE ON ZIKA (Cont)
11:50	Neurodevelopmental Screening of Infants with Prenatal Zika Virus Exposure with Comparison Groups Celina Turchi-Martelli , Microcephaly Epidemic Research Group, Instituto de Pesquisa Aggeu Magalhaes, Fiocruz Pernambuco, Recife, Brazil
12:00	The Developmental and Physical Characteristics of Infants Born to Zika Virus Positive Mothers in Barbados after the 2016-2017 Outbreak Kerriann Pereira, Paediatrics, Queen Elizabeth Hospital, Bridgetown, Barbados
12:10	Detection of Zika Antigens and RNA in Semen of Nicaraguan Adults Following Acute Infections Filemón Bucardo , Faculty of Medical Sciences, National Autonomous University of León, Nicaragua., Leon, Nicaragua
12:20	Q & A
12:30	Collect Lunch Boxes

LUNCH SYMPOSIUM: Revolutionary Molecular Diagnostics:
12:45 - 13:30 Multiplex PCR for Mosquito-Borne Diseases and
Coronavirus Emergency Response

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Saturday, February 15, 2020 (Cont.)

13:30 - 15:00	SESSION 7 - VACCINES & DRUGS Chairperson: Lin Chen , USA
13:30	KEYNOTE LECTURE: Dengue Vaccines Update Anna Durbin, Professor, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA
14:00	Anti-Zika Virus Hyper-Immune IGgs in Mice Model Yuval Sagiv , Kamada, Israel
14:15	A Neonatal Nonhuman Primate Model of Gestational Zika Virus Infection With Evidence of Microcephaly, Seizures and Cardiomyopathy Daniel Streblow, VGTI, Ohsu, Beaverton, United States, 20nprc, Ohsu, Beaverton, USA
14:25	A Recombinant ZIKV Envelope Protein with Mutations in the Conserved Fusion Loop as a Subunit ZIKV Vaccine Beatrice Sarah Berneck , Department of Immunology, Fraunhofer Institute for Cell Therapy and Immunology, Leipzig, Germany
14:35	NIAID Preclinical Services Facilitate ZIKV Vaccine Product Development by Standardizing Assays for Clinical and Preclinical Studies Janet Lathey, NIAID, NIH, Rockville, USA
14:45	Zika Virus-Like Particle-Based Vaccine Evaluation in Mice and Rhesus Macaques Alec Hirsch , Vaccine and Gene Therapy Institute, Oregon Health and Science University, Beaverton, USA
14:55	Q & A
15:00	Coffee, Poster Viewing and Visit the Exhibition

Saturday, February 15, 2020 (Cont.)

15:30 - 16:30	SESSION 8 - VIROLOGY Chairperson: Alexander Rouvinski , Israel
15:30	Recombination of Zika virus B- and T-cell epitope-rich loci from Aedes- and Culex-borne flaviviruses shapes Zika virus epidemiology Michael W. Gaunt , London School of Hygiene and Tropical Medicine, Keppel Street, London, UK
16:00	Zika Virus Increases Mind Bomb 1 Levels, Causing Degradation of Pericentriolar Material 1 (PCM1) and Dispersion of PCM1-Containing Granules from the Centrosome Qiyi Tang, Microbiology, Howard University College of Medicine, Washington, USA
16:15	Glycan Binding Specificity of Zika Virus Strains PRVABC-59 and MR-766 Meghan May , Department of Biomedical Sciences, University of New England College of Medicine, Biddeford, Maine, USA
16:30	End of Day's Session

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Sunday, February 16, 2020

09:00 - 10:30	SESSION 9 - CLINICAL ASPECTS II Chairperson: TBA
9:00	KEYNOTE LECTURE: Severe Dengue-Historical Perspective Scott Halstead, Department of Preventive Medicine and Biometrics, Uniformed University of the Health Sciences, Bethesda, MD, USA
9:30	DENV Sexual Transmission Martin P. Grobusch, Chair, Tropical Medicine and Travel Medicine; Head, Center for Tropical Medicine and Travel Medicine, Department of Infectious Diseases, Division of Internal Medicine, Academic Medical Center, University of Amsterdam, The Netherlands
9:40	Dengue - ADE & the Significance of Second Infection in Travellers Eli Schwartz , The Center for Geographic Medicine and Tropical Diseases, The Chaim Sheba Medical Center, Tel Hashomer, Israel
10:00	Alphaviruses Arthropathy Lin Chen , Director, Travel Medicine Center, Mount Auburn Hospital; Associate Professor of Medicine, Harvard Medical School, Cambridge, MA, USA
10:15	Clinical Features and Virologic Profiles of Acute and Post – Acute CHIK Virus (CHIKV) Infection in Arboviruses Co-transmission Areas. Marta G Cavalcanti , Infectious Diseases Clinic, Hospital Clementino Fraga Filho, Federal University of Rio De Janeiro, Rio De Janeiro, Brazil
10:25	Q & A

10:30 Coffee & Poster Viewing

Sunday, February 16, 2020

SESSION 10 - CONCLUSION: LOOKING BACK AND LOOKING 11:00 - 12:00 FORWARD

Chairperson: Eli Schwartz, Israel

11:00	Congenital Zika Virus Syndrome in Brazil in Live Births, 2015-2018: A Public Health Emergency of International Importance Vivyanne Magalhaes, Department of Health Analysis and Surveillance of Noncommunicable Diseases, Ministry of Health, Brasília, Brazil
11:10	Four Years of the Zika Virus in Brazil: Consequences and Challenges for the National Health System (SUS) Mariana Leal, Secretaria De Atenção Especializada a Saúde, Ministério Da Saúde, Brasília, Brazil
11:20	Looking into the Crystal Ball Eli Schwartz , The Center for Geographic Medicine and Tropical Diseases, The Chaim Sheba Medical Center, Tel Hashomer, Israel
12:00	Conclusion of Conference