
15th International Dengue Course

Challenges of Zika and Chikungunya transmission

7-18th August 2017

Havana, Cuba

Third Announcement

Auspices by

'Pedro Kouri' Tropical Medicine Institute (IPK)
Cuban Society of Microbiology & Parasitology (SCMP)
Ministry of Public Health of the Republic of Cuba (MINSAP)
Pan American Health Organization (PAHO)-World Health Organization (WHO)
Neglected Tropical Disease Program, NTDP, OMS
ZIKALLIANCE
ZIKAPLAN
Fundación Mundo Sano
AMERICAN SOCIETY TROPICAL MEDICINE HYGIENE
TDR

After 30 years of the first edition of the course and in the framework of the 80 Anniversary of the institute of Tropical medicine, the PAHO/WHO Collaborating Center for the Study of Dengue and its Vector of the Institute of Tropical Medicine/MINSAP, the Cuban Society of Microbiology and Parasitology, the Cuban Ministry of Health and PAHO-WHO announces the 15th edition of the Dengue International Course, in this occasion facing Zika and Chikungunya to be held from 7th-18th August 2017.

During the course, the regional and global dengue, zika, chikungunya and yellow fever epidemiological situation will be updated. Topics related to clinical management, vector control, main scientific advances in pathogenesis, vaccines and antiviral development, new vector control tools, influence of the host genetic as well as the genetic of the vector and the viruses, emergency control, new international initiatives for arbovirus control and prevention among other interesting and important topics will be discussed.

We invite those interested in the topic (physicians, virologists, immunologists, sociologists, epidemiologists, entomologists, health managers, among others) along with professors from several prestigious national and international institutions to debate on the most relevant and updated aspects of these diseases.

Theoretical sessions will be covered during the first week (August 7 to 11) while practical sessions will cover the topics of epidemiology and community participation, clinic and pathology, vector control and entomology, viral diagnosis and immunology during the second week (August 14 to 18).

General topics

- Zika, Dengue and Chikungunya global and regional epidemiological situation.

- International initiatives against the arbovirus co-circulation
- Integrated dengue surveillance
- Viral genome and structure. Viral replication and evolution.
- Clinical picture and pathology. Case definition. Clinical management
- Impact of the WHO dengue clinical classification.
- Neurological disorders associated to these viruses
- Challenges of arbovirus diagnostic and surveillance
- Immune responses
- Pathogenesis and physiopathology. Antibody dependent enhancement (ADE). NS1 protein role
- Genetic host factors
- Vaccines and vaccination strategies
- Antivirals
- Vector ecology
- Enzootic cycles
- Vector dynamic for arboviruses transmission
- Entomological surveillance.
- Chemical and biological vector control methods.
- New tools for vector control
- Mechanisms of Insecticide Resistance
- Vector competence
- Social aspects in the struggle of dengue, zika and chikungunya
- Mathematical models for dengue and others arbovirus transmission study
- IMS-Arboviruses
- Ecobiosystem approach for arboviruses control and prevention
- The community role in vector control.
- Cost/effectivity of dengue control activities
- Emergency management for outbreak control
- Climate change and arboviruses transmission
- Role of networking at different levels (local, regional & International)
- Integrate work of surveillance & control (epidemiology, entomology & social factors among others)

PROFFESORS ALREADY CONFIRMED

Sylvain Aldighieri, PAHO-WHO

Mathieu Bangert, NTDP, WHO

Susan Carol Barnett, Glasgow University, UK

Haroldo Becerra, PAHO-WHO

Mabel Carabali, McGill University, Colombia/Canada

Lee Ching, NEA, Singapore

Ana Durbin, Johns Hopkins Bloomberg School of Public Health, USA

Delia Enria, Instituto Maiztegui, Argentina

Carlos Espinal, Global Health Consortium

Marcos Espinal, PAHO-WHO

Florence Fouques, TDR-WHO

Leticia Franco, PAHO-WHO

Duane Gubler, Duke-NUS Medical School, Singapore

Gamaliel Gutierrez, PAHO-WHO

Scott Halstead, DVI

William Hall, Dublin University, Ireland

Eva Harris, Berkeley University, USA

Olaf Horstick, Heidelberg University, Germany

Ralph Huits, IMT, Belgium

Thomas Jaenish, Heidelberg University, Germany

Jay S. Kaufman, McGill University, Canada

Laura Kramer, State University of New York at Albany

Axel Kroeger, TDR-WHO

Pierre Lefevre, IMT, Belgium

Pablo Manrique, UADY, Mexico

Jairo Méndez, PAHO-WHO

Jorge L. Muñoz-Jordán, CDC, Puerto Rico

Yasuko Orba, Hokkaido University, Japan

Jorge Osorio, Wisconsin University

Carlos Pardo, John Hopkins University, USA

Alina Perez, PAHO-WHO

Roxana Peeling, London School Tropical Medicine Hygiene, UK

Karen Polson-Edwards, CARPHA

Valery Ridde, Montreal University, Canada

Hirofumi Sawa, Hokkaido University, Japan

Aravinda de Silva, University of North Carolina School of Medicine, USA

Pei Yong Shi, University of Texas Medical Branch, USA

Jaime Torres, Instituto de Medicina Tropical, Venezuela

Patrick Van der Stuyft, IMT, Belgium

Veerle Vanlerberghe, IMT, Belgium

Pedro Vasconcelos, Instituto Evandro Chagas, Brazil

Nikos Vasilakis, University of Texas Medical Branch, USA

Gonzalo Vazquez-Prokopec, Emory University, USA

Scott Weaver, University of Texas Medical Branch, EUA

Raman Velayudhan, NTDP-WHO

Luis A. Villar, Universidad Santander, Colombia

Laura White, University North Caroline, USA

Annelies Wilder-Smith, Umeå University, Sweden

Hugh John Willison, Glasgow University, UK

Steve Whitehead, NIAID, NIH, USA

Cubans

María G. Guzmán, Eric Martínez, María E. Toledo, Juan Bisset, Susana Vázquez, Virginia Capó, Mayling Alvarez, Ana B. Pérez, Beatriz Sierra, Ariel Martínez, Alicia Aguilar, Alienys Izquierdo, Rosa Ramírez, Didy Ruiz, Daniel González, Omar Fuentes, Magdalena Rodríguez, Alberto Baly, Maria del C. Marquetti, Dennys Pérez, Martha Castro, Osvaldo Castro, Pedro Más, Domingo Montada, Francisco Duran, Carilda Peña, Maritza Pupo, Lazaro Gil, Alicia Reyes among other prestigious professors and collaborators (IPK, Havana University, CIGB, Ministry of Health, Cuba).

ORGANIZATION OF THE COURSE

- The Course is structured in a theoretical section (first week, 7 to 11 August) and a practical section (second week of the course, August 14 to 18).
- In the theoretical section, general lectures, round tables and symposia have been scheduled.
- In the practical section, participants will gather in any of five groups according to their interests: clinical care, entomology and vector control, virology/immunology, epidemiology and community participation.
- Posters session: Participants will have the opportunity to show their results in a poster session during the first week. Poster characteristics: 94cm wide X 140cm high (vertical position). Deadline for abstract submission: July 1st, 2017. **For further information contact Dr. Martha Castro, martac@ipk.sld.cu**
- **On side sessions:** several meetings and courses will be organized in the framework of the course: meeting of the Caribbean network for VBD, meeting of the consortium of Zikapan project, meeting of clinical work of Zikalliance project (both 12 and 13 August) and the course Social Determinants and Inequities in VBD organized by Montreal and Mc Gill Universities and IPK in the second week of the course).

OFFICIAL LANGUAGES

- The official languages of the **Course**: Spanish and English. Translation in both languages will be available during theoretical sessions

HOTELS

- Please contact Mr. Alexander Socorro at Havanatur (turoperator) for hotel booking
alexander@havanatur.cu

► **REGISTRATION: Theoretical and Practical Sessions = \$ 800.00 CUC**

- Includes registration to both theoretical and practical sections, course materials, welcome cocktail and farewell dinner.
- Participants will have the possibility of attending the theoretical or the practical section only or both.
- Registration fee for the theoretical section only: 7-11, August, 2017 = \$ 500.00CUC.
Registration fee for practical section only: 14-18, August, 2017 = \$ 400.00 CUC
Registration deadline: 20 July 2017.

For further information contact to:

Prof. María G. Guzmán, MD, MSc, PhD, DrSc.
Director of the PAHO-WHO Collaborating Center for the Study of dengue and its vector.

Director, Center for Research, Diagnostic and References activities, CIDR
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