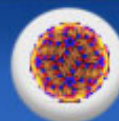


XI INTERNATIONAL DENGUE COURSE



10-21 August 2009

Spanish version

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❖ GIS Course on Dengue

Pedro Kourí Institute
www.ipk.sld.cu

Second Announcement

Under the auspices of:

"Pedro Kourí" Tropical Medicine Institute (IPK)
Ministry of Public Health of the Republic of Cuba (MINSAP)
Pan American Health Organization (PAHO)
World Health Organization (WHO)
**WHO Special Programme for Research and Training
in Tropical Diseases (TDR)**

Dengue is the most rapidly spreading vector borne disease, with an estimated 50 million infections occurring annually, and approximately 2.5 billion people living in dengue endemic countries. In the Americas, Dengue emerged in the 1980's because of unplanned urbanization, migration and demographic growth, and deteriorating vector control measures. Currently, most of the countries report dengue hemorrhagic fever with circulation of several serotypes.

In this context, the PAHO/WHO Collaborating Center for the Study of Dengue and its Vector of the "Pedro Kourí" Tropical Medicine Institute (IPK), Havana, Cuba, together with the Cuban Ministry of Public Health, the Pan American Health Organization (PAHO), the World Health Organization (WHO), and the WHO Special Programme for Research and Training in Tropical Diseases (TDR) have organized, since 1987, their biannual International Dengue Course.

This **11th edition of the Course** covers 22 years (1987-2009) of work dedicated to strengthening capacities in dengue control and prevention.

OBJECTIVE OF THE COURSE

The **Course's** objective is that participants: physicians, virologists, immunologists, sociologists, epidemiologists, entomologists, health managers, among others interested in this field, along with many professors from several prestigious international institutions debate on the most relevant and updated aspects of this disease.

MAIN TOPICS

Through theoretical and practical sessions, the main aspects related to dengue will be covered: updated information on dengue epidemiology, clinical management and case classification, diagnosis, molecular epidemiology, viral evolution, pathogenesis and immune response, vaccine and drug development, host genetic factors and their relation to

dengue, factors involved in dengue transmission, vector biology, integrated surveillance, community participation and behavioral changes in vector control, insecticide resistance, entomological surveillance, vector control strategies, international initiatives for dengue control and prevention, and the Cuban experience.

- Dengue, global situation.
- Global initiatives and their impact
- From laboratory surveillance to the clinical diagnostic. Virological, serological and molecular diagnostic
- Viral genome and structure.
- Viral replication.
- Molecular epidemiology
- Virus and cell proteins interaction
- Clinical picture and pathology. Dengue during pregnancy
- New WHO dengue clinical classification.
- WHO Dengue Guideline for the clinical management
- Role of innate immune response.
- Humoral and cellular immune response to dengue. Immunological methods for study.
- Antibody dependent enhancement (ADE). Clinical and epidemiological evidences
- Severity Prognostic markers
- Genetic susceptibility to severe disease
- Pathogenesis and physiopathology
- Animal models for dengue study
- Dengue vaccine candidates. Challenges and opportunities of Phase III clinical trials
- Drugs for dengue treatment
- Ecology of *Aedes aegypti*
- Entomological surveillance of *Aedes aegypti*.
- Chemical and biological vector control methods. Transgenic mosquitoes
- Mechanisms of Insecticide Resistance
- Social aspects in dengue transmission
- Usefulness of mathematical models for the dengue transmission study
- Integral surveillance and Ecosystem approach for dengue prevention
- The community role in dengue control.
- Integral Strategy (EGI) for dengue prevention and control
- Economic evaluation of the control strategies for dengue
- Emergency situations
- Dengue in the context of the International Sanitary Control
- Dengue and Disasters
- New WHO Guidelines for Dengue Prevention and Control
- Dengue in Cuba: surveillance, control and main observations



ORGANIZATION

The **Course** is structured in two sections: theoretical and practical.

- The Theoretical section will be conducted during the first week and the practical section during the second week.
- In the Practical section, participants will gather in several groups, according to their interests: clinical care, entomology, community participation, virology and epidemiology.

FOREIGN

William Black, University of Colorado, USA
Bruno Canard, CNRS, Marseille, France
Arachu Castro, Harvard University, USA
Carlos Espinal, Sanofi Pasteur
Scott B. Halstead, PDVI
Eva Harris, Berkeley University, USA
Kenji Hirayama, Institute of Tropical Medicine, Nagasaki, Japan
Joachim Hombach, IVR, WHO
Olaff Horstick, TDR/PAHO
Axel Kroeger, TDR/PAHO
Jean Lang, Sanofi Pasteur
Linda Lloyd, San Diego, California, USA
Harold Margolis, PDVI
Anuja Mathew, University of Massachusetts, USA
Martha E Navarro, Institute Pasteur, France
Rosanna Peeling, TDR/PAHO
Hillary Ranson, Liverpool Tropical Medicine, England
Susan Rifkin, London School Tropical Medicine, England
José L. San Martín, PAHO
Mark Schreiber, Novartis Institute for Tropical Diseases, Singapore
Ng Lee-Ching, Environmental Health Institute, Singapur
Melanie Saville, Sanofi Pasteur
David Severson, Notredame University, USA
Patrick Van Der Stuyft, Institute of Tropical Medicine, Antwerp, Belgium
Veerle Vanlerberghe, Institute of Tropical Medicine, Antwerp, Belgium

CUBAN

Gustavo Kourí, María G. Guzmán, Eric Martínez, Juan Bisset, Susana Vázquez, Delfina Rosario, Maritza Pupo, Virginia Capó, Mayling Alvarez, Rosmari Rodríguez-Roche, Mayra Muné, Liset Sánchez, Maria del C. Marquetti, Omar Fuentes, Magdalena Rodríguez, Juan V. Cangas, Glay Chinaea, among other prestigious professors and collaborators (IPK, Ministry of Health, Cuba).

OFFICIAL LANGUAGES

The official languages of the **Course** are: Spanish and English.

REGISTRATION

Theoretical and Practical Activities: \$ 800.00 CUC

(Includes registration, course materials, welcome cocktail and farewell dinner)

Participants will have the possibility of attending the theoretical or the practical session only or both. Registration fees for theoretical sessions (10-14, August, 2009) is

500.00 CUC and for practical sessions (17-21, August, 2009) is 400.00 CUC.

Registration deadline: **20 July 2009**

Please download the [Registration Form](#), fill it out and send it to [Dr. María G. Guzmán](#)



ACCOMMODATION

Hotel	Prices per pax per night in CUC	
	Single Room	Double Room
PALCO * * * *	\$ 50.00	\$ 72.00
There will be an extra dinner service for \$ 14.00 CUC		
Services included: Accommodation per person per one night with breakfast Transfer IN/OUT Customized assistance Daily Hotel-Venue-Hotel transportation Flight reconfirmation		



CONTACT

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