DENGUE 2026

XIX Curso Internacional de Dengue, Oropouche y otros Arbovirus Emergentes

Dengue, Oropouche & emergent arboviruses international course, XIX edition

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La Habana, Cuba
17 al 28 de agosto de 2026

Havana, Cuba
17 to 28 August 2026

https://promociondeeventos.cu/dengue2026
https://promociondeeventos.sld.cu/dengue2026en

19 International Course on dengue, Oropouche and other Emergent Arboviruses
17-28 August, 2026
IPK Havana, Cuba

First announce

Auspicies:

Instituto de Medicina Tropical "Pedro Kourí" (IPK)

Sociedad Cubana de Microbiología y Parasitología (SCMP)

Ministerio de Salud Pública de la República de Cuba (MINSAP)

Organización Panamericana de la Salud (OPS)/Organización Mundial de la Salud (OMS)

MNT (Malaria and Neglected Tropical Diseases Department), WHO/HQ

In the last three years, several arbovirus epidemiological emergencies have been reported in the Americas: the Chikungunya outbreak in Paraguay in 2023; the Western Equine Encephalitis outbreak in Argentina, Brazil, and Uruguay in 2023-24; the spread of Oropouche outside of usual areas, including the Caribbean, with transmission reported in Cuba and Panama; the Yellow Fever alert in 2024-2025; and the dengue emergency in 2024 with more than 13 million reported cases. As of epidemiological week 41 of 2025, more than 3.3 million cases of dengue have been reported, along with the circulation of all four viral serotypes, including the circulation of the new lineage of dengue 3 virus, which is gradually spreading to other countries.

In view of this complex epidemiological context, the PAHO/WHO Collaborating Center for the Study of Dengue and its Control, the Institute of Tropical Medicine, “Pedro Kouri”, the Cuban Society of Microbiology and Parasitology, and the Ministry of Public Health of the Republic of Cuba, the Pan American Health Organization/World Health Organization are pleased to announce that the 19th International Course on Dengue, Oropouche, and other emerging arboviruses will be held from August 17 to 28, 2026, to provide training and prepare for new arbovirus epidemiological emergencies.

The course will allow updating and discussing the global and regional epidemiological situation and the advances in the understanding, prevention, and control of these diseases, as well as the complexity of addressing and preventing them.

Topics of the course include the clinical management and differential diagnosis, laboratory diagnosis and surveillance in the context of co-circulation of several arboviruses, control of vectors involved in transmission, advances in research on pathogenesis, vaccines, individual, viral, and vector genetics, as well as new control tools, the influence of climate change on the emergence of diseases transmitted by

Aedes mosquitoes, and the management of outbreaks in the face of the new scenario of arbovirus co-circulation. New international initiatives and their impact on the emerging control of arboviruses will be shared. Finally, One Health approach

OBJETIVES

Physicians, virologists, immunologists, sociologists, epidemiologists, entomologists, health administrators, among others interested in the topic, along with professors from prestigious national and international institutions, will debate the most relevant and current aspects of Dengue, Oropouche, Chikungunya, Zika, and Yellow Fever.

General topics

- Dengue, Oropouche, Chikungunya Y other emergent arboviruses
- ONE Health approach to combating arbovirus infections
- Intersectoral response and coordination plan for arbovirus emergencies.
- Integrated surveillance in the context of co-circulation of dengue, chikungunya, & oropouche.
- Genome, structure, & replication of flaviviruses & orthobunyaviruses
- Diagnostic algorithms & laboratory surveillance of arboviruses.
- Arbovirus Genomic surveillance
- Arbovirus infections: Clinical presentation & pathology. Differential diagnosis and clinical management, with emphasis on dengue, orthobunyavirus, and chikungunya.
- Host-virus interaction.
- Pathogenesis & pathophysiology of dengue.
- Prediction models: OMICS & artificial intelligence.
- Immune response.
- Advances in vaccines for arbovirus control.
- Ecology of Culicidae & Culicoides & their interaction with arboviruses.
- Integrated vector management in arbovirus control.
- Entomovirological surveillance as a novel tool for integrated surveillance.
- Trapping methods, chemical & biological control, entomological surveillance, application, insecticide resistance mechanisms, & new tools for *Ae. aegypti* control.
- The community in *Aedes aegypti* control.
- Intersectoral approach to combating and preventing arbovirus infections.
- Cost-effectiveness in dengue control.
- Biology of arbovirus interaction in mosquitoes.
- Early Warning Systems for Arboviruses Transmitted by *Aedes* Mosquitoes
- Social Determinants of Dengue, Zika, Chikungunya, & Oropouche Transmission
- Effectiveness of Interventions Targeting Dengue Transmission Hotspots
- Population Mobility in the Spread and Overlap of Epidemics: New Evidence
- Climate Change & Its Influence on the Emergence of Arboviruses
- Global & Regional Initiatives for the Control of Arbovirus Infections
- Research Priorities

CONFIRMED SPEAKERS & PROFESSORS

- **Luiz Alcantara,** FIOCRUZ, Brazil
- **Mabel Caraballi,** McGill University, Canada
- **Lauren Carrington**,WHO
- **Emmanuel Chanda**, WHO
- **George Dimopoulos**, Johns Hopkins University, USA
- **Anna Durbin**, Johns Hopkins Bloomberg School of Public Health, USA
- **Leticia Franco**, PAHO/WHO
- **Marta Giovanetti,** FIOCRUZ, Brazil
- **Felipe Gomes Naveca,** FIOCRUZ, Brazil
- **Lionel Gresh**, PAHO/WHO
- **Olaf Horstick**, Heidelberg University, Germany
- **Kleber Luz**, Universidad Federal Rio Grande Du Norte, Brazil
- **Jairo Mendez**, PAHO/WHO
- **María Alejandra Morales,** Instituto Maiztegui, Argentina
- **Ana Isabel Ramos Bento**, Cornell University, USA
- **Ana Cecilia Ribeiro Cruz**, Institute Evandro Chagas, Brazil
- **Diana Rojas Alvarez**, WHO
- **Gilberto Santiago,** CDC Puerto Rico
- **Aleem Sidiqui**, California University, USA
- **Xaveer Van Ostade**, Amberes University, Belgium
- **Wim Vanden Berghe**, Amberes University, Belgium
- **Anubis Vega Rua**, Institute Pasteur, Guadaloupe
- **Andrea Vicari,** PAHO/WHO
- **Wilmer E. Villamil Gómez**, Secretaria de Salud, Barranquilla, Colombia

Cubans

María G. Guzmán, Eric Martínez, María E. Toledo, Osvaldo Castro, Daniel González, Mayling Alvarez, Ana B. Pérez, Beatriz Sierra, Rosa Ramírez, Sonia Resik, Virginia Capó, Alberto Baly, María del Carmen Marquetti, Maureen Leyva, Dennys Pérez, Gladys Gutiérrez, Isbell Planells, Domingo Montada, Ariamys Companioni, Lorena Vázquez, Carlos Fonseca, Rene Gato, Yisel Hernandez, Waldemar Baldoquin, Zulema Menendez, Vivian Kouri, Carilda Peña, Francisco Duran, Madelaine Rivera, Jose Raul de Armas, Paulo Ortiz among other prestigious professors and collaborators (IPK, INSMET, Ministerio de Salud, Cuba).

COURSE ORGANIZATION

The course is structured into a theoretical and a practical section. The theoretical section will take place during the first week (August 17-21) and the practical section during the second week (August 24-28). Lectures, roundtables, and symposia have been scheduled for the

theoretical section. In the practical section, participants will be able to join one of five practical groups, depending on their interest: clinical pathology, entomology-vector control, epidemiology, social determinants and community participation, and virology/immunology.

• Poster session: Participants will have the opportunity to present their results in the poster session, which will take place during the first week. Poster size: 94 cm wide x 140 cm high (vertical). Deadline for submission of abstracts: July 1, 2023. Contact Dr. Anabel Hernandez Ruiz at anabel.hernandez@ipk.sld.cu

OFFICIAL LANGUAGES

The official languages of the course are Spanish and English. Simultaneous translation will be available in both languages during the theoretical activities (first week, August 17-21).

REGISTRATION:

Theoretical and practical sessions = $900.00 USD

- Includes registration for all theoretical and practical activities, teaching materials, welcome cocktail, and a farewell dinner.
- Participants who cannot attend both weeks of the course will have the opportunity to apply for either the theoretical or practical course only.
- Registration for theoretical sessions only: August 17-21, 2026 = $500.00 USD.
- Registration for practical sessions: August 24-28, 2026 = $400.00 USD

Registration deadline: 20 July, 2026.

CONTACT

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