

**ARTHROPOD-TRANSMITTED DISEASES: CHIKUNGUNYA,
DENGUE, ZIKA AND MALARIA FEVERS**

19 TO 22 FEBRUARY 2018

Jointly sponsored by the

SINGAPORE COOPERATION PROGRAMME

and the

**MEXICAN AGENCY FOR INTERNATIONAL DEVELOPMENT
COOPERATION**

under the

SINGAPORE – MEXICO THIRD COUNTRY TRAINING PROGRAMME

to be conducted by

**AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH (A*STAR),
SINGAPORE**

and the

**CENTER FOR RESEARCH AND ADVANCED STUDIES (CINVESTAV),
MEXICO**

Singapore Cooperation Programme

Singapore has provided technical assistance to other developing countries since the 1960s. As a country whose only resource is its people, Singapore believes that human resource development is vital for economic and social progress. Singapore itself has benefited from training provided by other countries and international organisations.

In 1992, the Singapore Cooperation Programme (SCP) was established to bring together under one framework the various technical assistance programmes offered by Singapore. Through the SCP, the range and number of training programmes

were increased to share Singapore's development experience with other developing countries.

To date, Singapore has sponsored training courses and study visits for over 115,000 officials from more than 170 countries. The SCP is managed by the Technical Cooperation Directorate of the Singapore Ministry of Foreign Affairs.

Mexican Agency for International Development Cooperation

The Mexican Agency for International Development Cooperation (AMEXCID) is a

decentralized body of the Mexican Ministry of Foreign Affairs (SRE). The agency was created on September 28, 2011, and was provided with specific powers to deal with matters relating to international development cooperation.

AMEXCID's Directorate General of Technical and Scientific Cooperation (DGCTC) coordinates Mexico's involvement in various aspects of the technical, scientific and technological cooperation with industrialized, mid-level and developing countries, as well as with multilateral agencies and international forums. Mexico's strategy of technical and scientific cooperation is intended to contribute to the strengthening of national capabilities through the implementation of projects in support of social and integral sustainable development.

A*STAR, Singapore

The Agency for Science, Technology and Research (A*STAR) is Singapore's lead public sector agency that spearheads economic oriented research to advance scientific discovery and develop innovative technology. Through open innovation, we collaborate with our partners in both the public and private sectors to benefit society.

As a Science and Technology Organisation, A*STAR bridges the gap between academia and industry. Our research creates economic growth and jobs for Singapore, and enhances lives by contributing to societal benefits such as improving outcomes in healthcare, urban living, and sustainability.

A*STAR plays a key role in nurturing and developing a diversity of talent and leaders in our Agency and Research Institutes, the wider research community and industry. A*STAR oversees 18 biomedical sciences and physical sciences and engineering research entities primarily located in Biopolis and Fusionopolis.

CINVESTAV, Mexico

The Centre for Research and Advanced Studies of the National Polytechnic Institute (CINVESTAV) founded in 1961, is a Mexican public institution dedicated to the development of science, technology and postgraduate education.

CINVESTAV, leader in scientific & industrial research, incorporates more than 650 Researchers (holding

PhD) and about 3000 students working in basic sciences, engineering, biological sciences and social sciences; it offers 31 Masters and 32 PhDs. Its mission is to prepare high trained scientists and create human resources to work in state of art technologies, who can contribute to the development of the society. Its vision is to be a leader institution in training high-level scientists and conducting scientific and technological cutting edge knowledge with a national and international impact increase which contributes to solve national problems in a visible and outstanding manner.

Course Objectives

This course will provide participants with insights on Singapore's and Mexico's public health protocols for febrile cases control and diagnosis. The state of the art research on arthropod-borne viral infections, epidemiology and disease burden in Mexico, Latin America, the Caribbean and Singapore will also be discussed during the course.

Synopsis

Topics to be covered include:

- Vector-borne diseases: outbreaks and treatment in Singapore.
- Disease burden, epidemiology and arbovirois case control in Mexico.
- Disease burden, epidemiology and arbovirois case control in Colombia.
- Treatments in Malaria and drug resistance: a hidden giant in the making.
- Pathogenesis of arboviruses: studies on chikungunya and Zika viruses.
- The importance of cholesterol in dengue virus replication: opportunities for antiviral interventions.
- Dengue virus-mosquito cell interactions.
- Dengue/Zika virus epidemiology in Mexico.
- Chikungunya in Mexico: State of the Art and Challenges.
- Brazilian advances in dengue and Zika vaccines.
- Dengue Vaccine development in Mexico.
- Participation of tight junction in dengue and Zika virus pathogenesis.
- Malaria in Mexico: State of the Art and Challenges.

Methodology

A variety of teaching methodologies will be used throughout the course to ensure active learning and participation including briefings, group discussions, dialogues and experiential activities. Relevant site visits will also be included to enhance the learning experience of the participants.

Duration

The course will be held from **19 to 22 February 2018** in Mexico City.

Invited Countries and Territories

Antigua and Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, Saint Lucia, St Kitts and Nevis, St Vincent and the Grenadines, Suriname and, Trinidad and Tobago.

Application Information

Applicants should be:

- Scientific researchers currently involved in arbovirus research, viral diagnosis techniques development, epidemiologist, public health officers working in Latin America and Caribbean countries;
- Nominated by their respective Governments;
- Proficient in spoken and written English; and
- In good health.

Terms of Award

This course is sponsored by the Governments of Singapore and Mexico under the Singapore – Mexico Third Country Training Programme. Under this arrangement, the Governments of Singapore and Mexico will bear the following expenses for successful applicants, thereafter known as "participants" during the course in Mexico City.

These expenses include:

- An economy class round-trip air ticket between the respective international airports.
- A daily training allowance from the first day to the last day of the course.

- Airport transfers to and from Mexico City airport and designated hotel.
- Training fees, including lecture fees, administrative fees, and teaching materials.
- Basic travel insurance for participants to cover accidents and hospitalisation during their stay in Mexico City in accordance with the policy of a local insurance company.
- Accommodation for the entire duration of the course.

Note:

- (i) Participants are advised to have some money for miscellaneous expenses that might be incurred prior to receiving their training allowance.
- (ii) Out-patient medical/dental treatment expenses will not be covered under the travel insurance scheme.

Regulations

Participants are required to comply with the following:

- (a) Strictly observe course schedules and not miss training sessions.
- (b) Not bring any member of their family and/or aide for the duration of the course.
- (c) Carry out instructions and abide by conditions as may be stipulated by the nominating Government or the Governments of Singapore or Mexico with respect to the course.
- (d) Refrain from engaging in political activities, or any form of employment for profit or gain while in Mexico.
- (e) Discontinue the course, in the event they fall seriously ill and are considered unable to continue the training or have committed an improper act.
- (f) Return to their respective home countries upon completion of the course.

Application Procedure

(Closing date for nomination: **5 January 2018**)

The Governments of Singapore and Mexico are pleased to invite the respective National Focal Points for Technical Assistance to nominate **two (2)** suitable applicants.

Selection of applicants for the limited number of training awards will be based on merit. The Governments of Singapore and Mexico seek the understanding of the respective nominating Governments in the event that their nominee is not selected.

All nominations are to be carried out using the official application form. Application forms should be printed or typed, and in black ink.

Completed application forms are to be submitted and should reach the **Ministry of Foreign Affairs, Singapore and AMEXCID** through the Ministry of Foreign Affairs or National Focal Point for Technical Assistance of the nominating country no later than **5 January 2018**.

In addition, in order to expedite the process, the Ministry of Foreign Affairs or National Focal Point for Technical Assistance of the nominating countries should send scanned copies of all completed applications by email to the Ministry of Foreign Affairs, Singapore and AMEXCID specifically to:

Attn: Mr Nicholas Sim, MFA Singapore
Email: nicholas_sim@mfa.gov.sg
Tel: +65 6379 8461

Attn: Ms Lorena Garcia, AMEXCID
Email: seminar.mexsin@gmail.com
Tel: +52 55 3686 5350

The original hardcopy should be mailed through normal channels to the respective Mexican Embassies (Annex).

- All application forms should be completed in full. Incomplete application forms will not be accepted.
- Applicants should refrain from making telephone and email inquiries on the status of their applications.
- The Mexican Agency for International Development Cooperation will inform all applicants of the outcome of their applications. Their Ministry of Foreign Affairs or National Focal Point for Technical Assistance will also be informed directly or through Mexico's diplomatic representation in the nominating country.

Information on Mexico

For more information about Mexico, please visit the Official Tourism Guide website at <https://www.visitmexico.com/en>

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ANNEX: Mexican Embassies

ARGENTINA

Diego de la Vega Wood
Phone: (54-11) 4118-8800
Email: ddelavega@sre.gob.mx

BELIZE

Diego Emanuel Sapien Muñoz
Phone: (501) 223-0194
Email: dsapien@sre.gob.mx

BOLIVIA

José Zacarías Rangel Fernandez
Phone: (591-2) 277-1871 Ext. 160
Email: jrangel@sre.gob.mx

BRAZIL

José Luis González Uribe
Tel: (55-61) 3204-5200
Email: jgonzalezu@sre.gob.mx

COLOMBIA

Ernesto Sosa Gallegos
Phone: (571) 747-7160
Email: esosag@sre.gob.mx

COSTA RICA

Maria Eugenia Roncal Carbajal
Phone: (506) 2257-0633 Ext. 105 or 111
Email: acooperacion@embamexico.or.cr

CUBA

Patricia Von Wartenberg Salgado
Phone: (53) 7204-7722 to 25, 204-2498, 204-2553, 204-2583
Email: pwartenberg@sre.gob.mx

ECUADOR

Francisco Javier Gurza Barroso
Phone: (593) 2292-3770, (593) 2510-3349
Email: gurza@sre.gob.mx

EL SALVADOR

Felipe Alonso González-Lugo Méndez
Phone: (503) 2248-9924 & 2248-9904
Email: fgonzalezl@sre.gob.mx

GUATEMALA

María Salud Castillo González
Phone: (502) 2420-3400 Ext. 3406
Email: mcastillo@sre.gob.mx

GUYANA

Aneli Victorica Razo
Phone: (592) 226 3987, 226 3988 Ext. 233
Email: avictorica@sre.gob.mx

HONDURAS

Araceli Noriega Curtis
Phone: (504) 2202-7632 y 2202-7610
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culturalesembhon@sre.gob.mx

JAMAICA

Araceli Elizabeth Grave Aguilar
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NICARAGUA

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PANAMA

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PARAGUAY

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PERU

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Email: ddiaz@mexico.org.pe

DOMINICAN REPUBLIC

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SAINT LUCIA

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Email: cbelausteguigoitia@sre.gob.mx

TRINIDAD & TOBAGO

Phone: (868) 622-1422, 622-7527
Email: embttobago@sre.gob.mx

URUGUAY

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Phone: (598) 2916-6034, 2916-8500
Email: jdominguez@embamex.com.uy

VENEZUELA

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Correo-e: fespinoza@sre.gob.mx