

INTERNATIONAL WORKSHOP

Measles and Rubella Elimination: Options for Public Health Interventions

PASTEUR INSTITUTE IN HO CHI MINH CITY

DECEMBER 2 – 5, 2019, HO CHI MINH CITY, VIETNAM

PROGRAM

Course Directors

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Foreword

Facing current and future global health challenges requires a comprehensive understanding of health issues. In this context, we have started the organization of week-long international workshops at the Pasteur Institute of Ho Chi Minh City after the inauguration of a fully equipped Teaching and Training Center. These courses place a strong emphasis on applied epidemiology and, since 2011, have drawn a huge response from the region.

The Public Health Workshop Series at the Pasteur Institute in Ho Chi Minh City will focus this year on Measles and Rubella, two vaccine-preventable diseases that can cause serious complications in children and adult women during pregnancy. Although vaccines for measles and rubella have been introduced to great effect in the 1960's, there has been a resurgence in the number of cases in recent years. This is particularly true in the case of measles, which is highly contagious, with outbreaks of large proportions in many countries, from Asia to New Zealand, Europe and the United States largely attributed to lowered vaccination rates. For example, a New York county hit by a measles outbreak has declared a state of emergency and banned non-vaccinated minors from public places. Before the introduction of the measles vaccine in 1980, more than 100,000 cases were reported yearly in Vietnam. By 1988, measles vaccine coverage was at 90%, which significantly reduced cases of measles to less than 10,000 per year but not enough towards complete elimination and an outbreak was declared in December 2018 in Ho Chi Minh City, with more than 250 patients received in one month at the Hospital for Tropical Diseases.

The international workshop on "**Measles and Rubella Elimination: Options for Public Health Interventions**" course will discuss the current situation of the eradication program, the efforts of the health sector towards the elimination of measles and rubella and the implementation of the proposed Operational Targets set by WHO for 2020. The faculty, comprising specialists with strong links to the WHO will also review the response to the most recent outbreaks with emphasis on regional approaches

The proposed workshop "**Measles and Rubella Elimination: Options for Public Health Interventions**". The program has been specifically designed for health personnel, mainly but not exclusively from countries in South East Asia, including medical and health professionals, policy makers, disease researchers interested in expanding their critical understanding of the complex issues to mitigate the impact of measles and rubella in the context of the global WHO strategy towards their elimination as a public health threat. It will address with lectures, case studies and open discussions the key challenges that the health system is facing to achieve these goals.

Our overarching goal is to establish the foundation of a top training program, based in the Pasteur Institute in Ho Chi Minh City, for epidemiologists working in research and public health in the region, in order to strengthen that ability to react to acute infectious threats. We would like to express our deepest gratitude to the Regional Health Cooperation Office of the French Ministry of Foreign Affairs for their unflagging support of the program since its inception in 2012. We also thank the Pasteur Foundation Asia for its generous contribution.

Faculty

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Program (Draft September 18, 2019)

2 December 2019

- 08:00 – 08:10 **Welcome Ceremony**
- 08:10 – 08:15 **Professor PHAN TRONG LAN**, Director, Pasteur Institute in HCMC
- 08:15 – 08:20 **Professor ROBERTO BRUZZONE**, Co-Director, HKU-Pasteur Research Pole
- 08:20 – 08:25 **M. THOMAS MOUREZ**, Attaché for Health and Social Development, French Embassy in Vietnam
- 08:25 – 08:30 **Group Photo** in the garden of the institute
- 08:45 – 09:00 **Introduction to the Course Agenda**
- 09:00 – 12:00 **Trainees' self-presentation**
- 12:30 – 13:30 **Lunch**
- 13:30 – 15:00 **L1: Measles and rubella, clinical, virological and epidemiological aspects**
Odile Launay, Université de Paris
- 15:00 – 15:30 **Break**
- 15:30 – 16:30 **L2: The global situation with measles (and rubella) from WHO perspective**
Mick Mulders, World Health Organization
- 16:30 – 17:00 **Break**
- 17:00 – 18:00 **L3: The role of laboratories in measles and rubella elimination**
Mick Mulders, World Health Organization
- 18:00 – 18:30 **Wrap-up**
- 18:30 **Welcome cocktail**

3 December 2019

- 08:30 – 09:30 **L4:** The anti-vaccination landscape
Claude Muller, Luxembourg Health Institute
- 09:30 – 10:00 **Break**
- 10:00 – 11:00 **L5:** The measles/rubella elimination process: Experience from the EMRO region
Claude Muller, Luxembourg Health Institute
- 11:00 – 11:30 **Break**
- 11:30 – 12:30 **L5:** Measles outbreak investigation and response
Philippe Cavailer, Institut Pasteur du Laos
- 12:30 – 13:30 **Lunch**
- 14:00 – 17:30 **Case study 1**
Philippe Cavailer, Institut Pasteur du Laos
Roberto Bruzzone & Tommy Lam, The University of Hong Kong
Pham Duy Quang, Pasteur Institute in Ho Chi Minh City
- 17:30 – 18:00 **Wrap-up**

4 December 2019

- 08:30 – 10:00 **L6:** Assessing the impact of eradication programs: incidence rates and epidemic curves in Vietnam
Suellen Nicholson, The Peter Doherty Institute for Infection and Immunity
- 10:00 – 10:30 **Break**
- 10:30 – 12:00 **L7:** Vaccine coverage and disparities among minorities in South East Asia
Anthony Black, Institut Pasteur du Laos
- 12:30 – 13:30 **Lunch**

13:30 – 15:30 **Case study 1 (cont'd)**

Philippe Cavaller, Institut Pasteur du Laos

Roberto Bruzzone & Tommy Lam, The University of Hong Kong

Pham Duy Quang, Pasteur Institute in Ho Chi Minh City

15:30 – 16:00 **Break**

08:30 – 10:00 **L8: Assessing the impact of eradication programs: incidence rates and epidemic curves in Vietnam**

Nguyen Trong Toan, Pasteur Institute in Ho Chi Minh City

5 December 2019

08:30 – 10:00 **L9: Phylogenetic analysis in the study of viral transmission**

Tommy Lam, The University of Hong Kong

10:00 – 10:30 **Break**

10:30 – 12:00 **L10: Measles and rubella: Epidemiology and laboratory surveillance in PR China**

Yan Zhang, Chinese Center for Disease Control and Prevention, Beijing

12:00 – 12:30 **Wrap-up & Course evaluation**

12:30 – 13:30 **Lunch & Farewell**