



Pasteur Institute
Ho Chi Minh City
Training Center



香港大學 · 巴斯德研究中心
HKU-Pasteur Research Pole

INTERNATIONAL WORKSHOP

HEALTH ECONOMICS

PASTEUR INSTITUTE OF HO CHI MINH CITY

DECEMBER 4-7, 2017, HO CHI MINH CITY, VIETNAM

PROGRAM



SANOPI PASTEUR





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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 attracted an increasing number of applications from the region.

The 2017 edition of our Public Health International Workshop, organized in close collaboration by the Pasteur Institute of Ho Chi Minh City and HKU-Pasteur Research Pole, members of the Institut Pasteur International Network, will focus on “**Health Economics**”, the branch of Public Health that is concerned with the resources needed to provide and promote health. Resources should be intended as not limited to money but also including people, materials, education, communication, time, that might be used in different ways to achieve the principal goal of improving health. The discipline of Health Economics attempts to illuminate with evidence-based research the choices that are made to allocate finite resource to indefinite needs. Health economics informs the criteria to prioritize policies and assess their outcomes.

The demands of policy makers for information on the cost-effectiveness of health interventions have become more extensive and complex. Economic assessment is also increasingly used to support decisions in public health such as vaccination programs. Health professionals involved in the mitigation of infectious diseases need, therefore, a common knowledge of health economics to communicate about their action, and advise health authorities and decision makers to implement cost-efficient response programs with relevant allocation of the available resources.

The workshop will provide basic theory of health economics including socio-economic concepts, methods to define, measure and analyse costs of health policies, as well as comparative analysis of health systems. Participants will be trained to the planning of public health responses, based on the interactive teaching carried out by expert faculty. Training sessions will cover cost effectiveness analysis of vaccination programs and other interventions, design of surveys, resource allocation strategy. The workshop will also address how the implementation of these different types of measures is translated into the everyday life of target populations. An important objective is also to build the foundation of a series of events that will ultimately empower participants to conduct similar training in their own institutions.

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; their commitment has been instrumental to build the reputation of these courses in ASEAN countries and beyond. We also thank Sanofi Pasteur for being our sponsor for a second year, and the Pasteur Foundation Asia for its generous contribution.

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Program

4 December 2017

- 8:45 – 9:15 **Welcome and Introduction of the Course
Official Ceremony and Group Photo**
- 9:30 – 12:30 **Trainees' self-presentation**
- 12:30 – 13:30 **Lunch**
- 13:30 – 15:00 **Introductory on health economics: opportunity costs, economic evaluations, role of health economics in HTA**
[Mark Jit](#) (London School of Hygiene & Tropical Medicine, UK)
- 15:00 – 15:30 **Break**
- 15:30 – 17:30 **Defining, measuring, valuing and analyzing cost**
[An Duy Tran](#) (The University of Melbourne, Australia)
- 18:00 **Transfer to the French Consulate**
- 18:30 – 20:00 **Welcome cocktail**

5 December 2017

- 8:30 – 10:30 **Economic evaluation in Healthcare – Socio-economic inequality of health between countries**
[Philip Clarke](#) (The University of Melbourne, Australia)
- 10:30 – 11:00 **Break**
- 11:00 – 12:30 **The nation, the region, and the globe: reflections on the unit of analysis in public health research and policy**
[Marco Liverani](#) (London School of Hygiene & Tropical Medicine, Thailand)
- 12:30 – 13:30 **Lunch**
- 13:30 – 15:30 **Introduction to infectious disease modeling**
[Joseph Wu](#) (The University of Hong Kong, Hong Kong SAR)
- 15:30 – 16:00 **Break**
- 16:00 – 18:00 **Round table**

6 December 2017

- 8:30 – 10:30 **The cost of dengue illness: Implications for the cost-effectiveness of the dengue vaccine**
[Hugo Turner/Hannah Clapham](#) (Oxford University Clinical Research Unit, Vietnam)

- 10:30 – 11:00 **Break**
- 11:00 – 12:30 **Challenges in cost effectiveness analysis, a HPV case study**
[Mark Jit](#) (London School of Hygiene & Tropical Medicine, UK)
- 12:30 – 13:30 **Lunch**
- 14:00 – 15:30 **Modeling interventions**
[Joseph Wu](#) (The University of Hong Kong, Hong Kong SAR)
- 15:30 – 16:00 **Break**
- 16:00 – 18:00 **Round table**

7 December 2017

- 9:00 – 10:30 **Behaviour at the patient – health system interface: A conceptual framework**
[Marco Haenssger](#) (University of Oxford, UK)
- 10:30 – 11:00 **Break**
- 11:00 – 12:00 **Special Lecture: Seasonal Influenza: Burden of Disease and How to Evaluate Vaccination Programs**
[Melvin Sanicas](#) (Regional Medical Expert at Sanofi Pasteur – Asia, Japan, and the Pacific)
- 12:00 – 12:30 **Course evaluation**
- 12:30 – 13:30 **Lunch**
- 14:00 **Transfer to OUCRU and Tropical disease hospital**
- 14:30-17:00 **Introduction to research on health economics
Orientations and solutions to attract and manage health economic researches**
[Pham Duy Quang/Hugo Turner](#) (Pasteur Institute in Ho Chi Minh City/Oxford University Clinical Research Unit, Vietnam)
- 17:00 **Transfer to Pasteur Institute**
- 19:00 **Dinner**

MASTER OF PUBLIC HEALTH



Public Health Practice
Epidemiology and Biostatistics
Infectious Diseases
Health Economics, Policy and Management



COURSE AIMS

The Master of Public Health provides broadly based postgraduate training for physicians, dentists, nurses, other health professionals, medical and health researchers and policy analysts wherein **contemporary health and health care issues in Hong Kong, China and the Asia Pacific** and **the policy responses and the actions necessary to protect and promote population health** are formulated, discussed and analysed.

Students will acquire

1. foundational knowledge in Public Health
2. an in depth understanding of local, regional and international health determinants and outcomes
3. leadership, management and analytical skills necessary to initiate policy responses required to protect and promote population health
4. an in depth knowledge of the theories and practice of public health
5. skills necessary to design and implement public health research and translate public health knowledge into practice

Quotable Qualification

The Hong Kong Medical Council recognises the Master of Public Health, MPH (HK) as a quotable qualification.

The Hong Kong Academy of Medicine and the Nursing Council of Hong Kong accredit CME/CPD and CNE points by individual course and degree programme.

- Continuing Medical Education (CME)
- Continuing Professional Development (CPD)
- Continuing Nursing Education (CNE)





PROGRAMME OF STUDY

Course Structure

	Credit Weight
Courses*	
Core Courses	18
Concentration Courses	18
Elective Courses	6
Total course credits	42
Practicum	12
Capstone	15
Total credits	69

* Individual courses shall be valued in a multiple of 3 credits

Practicum

The practicum is a planned, supervised and evaluated public health practice experience with defined learning outcomes and deliverable(s).

Practicum placement may be in one of the following local, regional, or international locations:

- Public health agency
- Public or private hospital
- Research laboratory
- Non-governmental organization

Capstone

Students will demonstrate the acquisition and synthesis of skills and competencies acquired in the MPH programme in a capstone report of about 5,000 words.

SCHOLARSHIP PROGRAMMES

Entrance Scholarship

2 fully paid academic tuition scholarships for students from developing countries*

- to support the acquisition of public health practice, knowledge, and skills
- awarded on the basis of academic merit with consideration of non-academic achievement and/or community service and financial need

* Lists of low-income and lower-middle-income countries as defined by the World Bank will be adopted:
<http://data.worldbank.org/income-level/LIC> and
<http://data.worldbank.org/income-level/LMC>

Honorary Teachers Scholarship

2 scholarships of HK\$50,000 each

- to support the acquisition and development of public health practice knowledge and skills
- awarded on the basis of academic merit and community service to local or international students

Professor Anthony J Hedley Scholarship

1 scholarship of HK\$10,000

- awarded on the basis of academic merit with consideration of non-academic achievement and/or community service
- priority given to students with interests in environmental health



ADMISSION CRITERIA

- comply with the General Regulations;
- hold a Bachelor's degree with honours or the degrees of MBBS of this University, or another qualification of equivalent standard from this University or from another University or comparable institution accepted for this purpose;
- satisfy the University English language requirement applicable to higher degrees as prescribed under General Regulation G2(b) and
- satisfy the examiners in a qualifying examination, if required

Application

Apply online via <http://mph.sph.hku.hk/>

International students are advised to apply as early as possible as the applications for admission and student visa can take a considerable length of time.

- For Overseas/Macau/Taiwan Students
<http://cedars.hku.hk/nonlocal/visa.html>
- For Mainland Students
http://www.ais.hku.hk/hkucuo/svapp_e.php

Provisional Course Fees

12-month full-time: HK\$160,000 (US\$20,513)
 24-month part-time: HK\$80,000 (US\$10,256) per year
 (subject to adjustment)



PROGRAMME OVERVIEW

4 Concentrations

- *Public Health Practice*
- *Epidemiology and Biostatistics*
- *Infectious Diseases*
- *Health Economics, Policy and Management*

Core Courses for All Students

- Environmental health hazards and interventions
- Introduction to biostatistics
- Introduction to epidemiology
- Principles of public health
- Health behaviour and communication
- OR
- Health and society
- Principles of health care management
- OR
- Health policy and politics



Enquiry

All enquiries should be directed to the MPH Office of the School of Public Health.

Tel: (+852) 3917 9140
Fax: (+852) 2855 9528
Email: mphsph@hku.hk
Address: G/F, Patrick Manson Building (North Wing), 7 Sassoon Road, Pokfulam, Hong Kong
Website: <http://mph.sph.hku.hk/>

Location map

- ★ School of Public Health
G/F, Patrick Manson Building (North Wing),
7 Sassoon Road, Pokfulam, Hong Kong
- Bus Routes (Queen Mary Hospital)
No. 4, 4X, 7, 30X, 37A, 37B, 40, 40M, 46X,
71, 90B, 91, 94, 970, 970X, 973
- Minibus Bus Routes (Sassoon Road)
No. 8, 8S, 8X, 28, 28S

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An attractiveness policy for a scientific community united by the same goals: sharing knowledge for global health.

The most decisive challenge in the coming years is to train the upcoming generations of scientists and public health experts worldwide to promote careers development.

In addition to teaching and training programs organized in the institutes within the Institut Pasteur International Network, the mobility of newly recruited young researchers was set up to reinforce the feeling of belonging to a global network. Alongside, the possibility to create **research 4-years groups within the Institut Pasteur International Network** gives the opportunity to internationally-trained postdoctoral researchers to set up in their home country.

TEACHING AND TRAINING



With sessions on theory and hands-on practicals, the courses held at the **Teaching Center in Paris** are grouped into three themed areas: **Epidemiology and Public Health, Mechanisms of Living Organisms, and Biology of Microorganisms.**

Situated in the heart of the campus, the Teaching Center is housed in the Louis Martin pavilion of the former Pasteur hospital. The Center was fully refurbished in 2007 and offers outstanding facilities for theoretical and lab sessions in a wide range of biology disciplines.



INSTITUT PASTEUR INTERNATIONAL NETWORK COURSES

Each year the Institut Pasteur International Network runs some **twenty regional and international courses**. These courses have the objectives of:

- Responding to research and public health priorities at the global and regional levels
- Providing top-level training to scientists at different stages of a scientific career
- Strengthening scientific relationships between scientists within the Institut Pasteur International



More information: <http://www.pasteur.fr/en/teaching>

Teaching and training are an essential part of the work of each institute member of the Institut Pasteur International Network. The grants from the Calmette and Yersin Programme, funded by the Institut Pasteur International Division allow an ambitious training programme for international researchers and scientists within the network for initial and further training to allow scientists to learn the Pasteurian methods. These grants offer a unique opportunity of training by the research.

● Apply for a doctoral grant

The Institut Pasteur is looking for highly motivated individuals of all nationalities. Applications from qualified students who are passionate about addressing major global health challenges with innovative approaches based on interdisciplinary collaborations are welcomed! The successful candidates will be based in one institute within the Institut Pasteur International Network, excluding metropolitan France. The Institut Pasteur International Network comprises 33 institutes in 26 countries and offers unique opportunities to work in a common space for global sharing of technology, methods, expertise, resources and data throughout the five continents. Research areas include all themes developed in the laboratories of the Institut Pasteur International Network.

One call for applications per year:

- Call for applications: end of February
- Closing date for application: end of July
- Selection Committee meeting: end of September
- Decision notice: by mid-November

More information:

www.pasteur.fr/en/education/doctoral-programs/doctoral-grants-calmette-yersin



● Traineeship grants

Get trained in the subjects covered by the laboratories of the Institut Pasteur International Network including Paris: research into infectious diseases (infectious physiopathology, immunology, microbiology, epidemiology, virology, parasitology) and public health activities (diagnosis, monitoring, resistance, etc.) for a period of 2 weeks to 3 months (6 months exclusively for Master's traineeships).

More information:

www.pasteur.fr/en/international/international-network-courses/fellowships/traineeship-grants

The Asia-Pacific region is a hot spot for new emerging diseases with potential to cause epidemics risk. None less serious, other infectious agents, highly prevalent in the area, significantly increase the disease burden and are developing resistance to treatment.

Fostering the research capabilities in surveillance and implementing research projects represent a priority in this high-risk, densely populated region where some countries have limited health infrastructures. Answering to these needs is the objective of the Pasteur Foundation Asia to contribute to the betterment of human health.



●● Who we are

Based in Hong Kong, the Pasteur Foundation Asia is a charitable organization established in 2017. The Foundation aims at raising awareness on infectious diseases and enhance health by supporting innovative programs of scientific excellence and the recruitment of new talent to foster the next generation of scientists in Hong Kong, and through Hong Kong to China, Asia and beyond.

The Foundation is governed by the Council, which comprises leaders from the business and scientific community who contribute their time voluntarily.

●● What we do

Inspire and support research, teaching, public health initiatives and related actions of the HKU-Pasteur Research Pole for the prevention and treatment of infectious diseases in Hong Kong, China, Asia and beyond.

Support and assist the activities of the Institut Pasteur and the Institut Pasteur International Network, in collaboration with other organizations, to mitigate the impact of infectious diseases and enhance global health.

Promote the objectives, actions and achievements of the Foundation among research institutes, professional societies and the medical-scientific community in Hong Kong, China and across Asia.

Major Contributors



Pasteur Institute
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HKU-Pasteur Research Pole



SANOFI PASTEUR

