

**e-ASIA Joint Research Program (e-ASIA JRP)
Joint Research Project in the field of “Health Research”**

Within the framework of the e-ASIA Joint Research Program (e-ASIA JRP)*¹, the following 4 collaborative project were selected in the field of “Health Research” with the approval of the e-ASIA Board. 10 organizations from 9 countries participated in this joint call for proposals*².

“Dengue viral genetic diversity in selected populations in Myanmar” to be

conducted jointly by:

Japan: Meng Ling Moi, Associate Professor, Nagasaki University

Myanmar: Hlaing Myat Thu, Deputy Director General, Department of Medical Research

USA: Sujan Shresta, Associate Professor, La Jolla Institute for Allergy & Immunology

This collaborative research aims to investigate the Dengue viral genetic diversity in selected populations in Myanmar and determine the host immune response that leads to differing disease outcomes.

“Characterization of multidrug resistance Gram-negative bacteria carrying antibiotics-resistance gene which have been inserted to chromosome” to be

conducted jointly by:

Japan: Itaru Hirai, Professor, University of the Ryukyus

Vietnam: Bui Thi Mai Huong, Department Head, National Institute of Nutrition

Indonesia: Kuntaman Kuntaman, Professor, Airlangga University

This collaborative research aims to investigate chromosomally located antibiotic resistant genes (ARGs) in asymptomatic healthy human carriers, clinical isolates and isolates from livestock and environmental water.

“Health impact of *Opisthorchiasis* infection in Cambodia and Vietnam : prevalent surveillance of *Opisthorchiasis* and risk surveillance for liver cancer” to be

conducted jointly by:

Japan: Kazuko Miyamoto, Professor, Yamanashi University

Cambodia: Muth Sinuon Helminth, Deputy-Director and Program Manager, National Centre for Parasitology Entomology and Malaria Control / MOH

Vietnam: Nguyen Thu Huong, Vice Chief of Department, Parasitology Department of National Institute of Malaria

This collaborative research aims to provide necessary information to prepare basic health strategies and plans for prevention of *O. viverrini* infection in Cambodia and Vietnam.

“Collaborative fever etiology research in Southeast Asia” to be conducted jointly by:

New Zealand: John A. Crump, Professor, Dunedin School of Medicine, University of Otago

Myanmar: Wan Win Htike, Professor, University of Medicine 1

Lao PDR: Mayfong Mayxay, Associate Professor, University of Health Sciences of Lao PDR

This collaborative research aims to conduct Myanmar’s first comprehensive severe febrile illness etiology study to improve patient management guidelines and to target disease prevention efforts; and to understand community patterns of healthcare utilization in Lao PDR and Myanmar to inform health system planning for febrile patients.

A total of 17 proposals were submitted in response to the joint call. Based on the peer review results, the participating funding organizations jointly decided on the four successful projects to select for funding. Support to the projects will continue for three years.

*1 The e-ASIA Joint Research Program (e-ASIA JRP)

Through the acceleration of science and technology research exchange and collaboration in the East Asian region, the e-ASIA Joint Research Program (e-ASIA JRP) aims to strengthen research and development capabilities towards resolution of shared challenges across the region, including those associated with environmental protection, natural disaster mitigation and prevention of infectious diseases.

As part of that objective, the e-ASIA JRP is intended to support collaborative research implemented among 3 or more of its member countries. Through the implementation of joint research among participating countries in agreed fields of research, it is the goal of the e-ASIA JRP to contribute to economic and human resource development, as well as the resolution of various challenges in the region.

e-ASIA JRP’s homepage: <http://www.the-easia.org/jrp/>

*2 The list of organizations participating in the joint call for proposals:

- Ministry of Health (MOH), Cambodia
MOH is the Cambodian Ministry which administers Health and Medical policies in Cambodia. It also administers activities conducted by hospitals, medical related resources, medical related industries and NGOs etc.
MOH’s homepage: <http://www.moh.gov.kh/>
- Ministry of Research, Technology and Higher Education (RISTEKDIKTI), Indonesia
RISTEKDIKTI, formed in 2014 as a result of merger from the Directorate General of Higher Education and Ministry of Research and Technology, is the Indonesian Ministry whose functions include policy making and implementation in the field of

research and technology to advance nations capability in innovation; coordinating and synchronizing policy implementation in the field of research and technology; and promoting higher education in Indonesia.

RISTEKDIKTI's homepage: <http://international.ristekdikti.go.id/>

- Japan Agency for Medical Research and Development (AMED), Japan
The Japan Agency for Medical Research and Development (AMED) engages in research and development in the field of medicine, establishing and maintaining an environment for this R&D, and providing funding, in order to promote integrated medical R&D from basic research to practical applications, to smoothly achieve application of outcomes, and to achieve comprehensive and effective establishment / maintenance of an environment for medical R&D.
AMED's homepage : <http://www.amed.go.jp/en/>
- Ministry of Health (MOH), Lao P.D.R.
MOH is the Laotian Ministry which administers Health and Medical policies in Lao P.D.R. Directly under the authority of the MOH, there are research institutes, national hospitals, universities, schools of public health, and pharmaceutical plants.
MOH's homepage: <http://www.moh.gov.la/>
- Ministry of Science and Technology (MOST), Myanmar
MOST, established in 1996, aims to promote Science and Technology toward economic growth in Myanmar. MOST mainly focuses on research in the fields of science and technology and human development, and also invests in cooperation for the protection of intellectual property, which is essential for stable industrial growth in Myanmar.
MOST's homepage: <http://www.moe-st.gov.mm/>
- Health Research Council (HRC), New Zealand
HRC, established in 1990, is the New Zealand agency responsible for managing the Government's investment in health research. HRC is responsible to the Minister of Health. HRC's major funding agreement is through the Minister of Business, Innovation and Employment (MBIE) and its research funding is implemented in close cooperation with MBIE.
HRC's homepage : <http://www.hrc.govt.nz/>
- Russian Foundation of Basic Research (RFBR), Russia
The Russian Foundation for Basic Research takes significant place in system of the organization of Russian science. Now the RFBR is the not only existing structure, but also the new system of the relations covering all aspects of scientific community life. The RFBR supports the most active scientific and technical potential of the country, provides scientists of Russia with financial support, realizes competitive funding mechanisms for scientific researches on the basis of expert estimates.

RFBR's homepage: <http://www.rfbr.ru/rffi/eng>

- National Institute of Allergy and Infectious Diseases (NIAID), USA
NIAID is part of the National Institutes of Health (NIH), which is one of 11 agencies that compose the Department of Health and Human Services (HHS). NIAID conducts and supports basic and applied research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases. For more than 60 years, NIAID research has led to new therapies, vaccines, diagnostic tests, and other technologies that have improved the health of millions of people in the 3 United States and around the world.
NIAID's homepage: <http://www.niaid.nih.gov/>
- National Cancer Institute (NCI), USA
NCI is part of the National Institutes of Health (NIH). The NCI, established in 1937, is the Federal Government's principal agency for cancer research and training. NCI coordinates the National Cancer Program, which conducts and supports research, training, health information dissemination, and other programs with respect to the cause, diagnosis, prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients.
NCI's homepage: <http://www.cancer.gov/>
- Ministry of Science and Technology (MOST), Vietnam
MOST is a governmental agency which performs the function of state management of science and technology, covering: scientific and technological activities; development of scientific and technological potential; intellectual property; standardization, measurement and quality control; atomic energy, radiation and nuclear safety; and state management of public services in the domains under its management in accordance with law.
MOST's homepage: <http://www.most.gov.vn/Desktop.aspx/Home-EN/>

Contact

Yoshihide Kobayashi (Mr.)
e-ASIA Special Program Coordinator
e-ASIA JRP Secretariat
Tel: +66 (0)2 564 7713
H/P: +66 (0)61 421 0316
E-mail: easia_secretariat@jst.go.jp