KI-Japan joint seminar “Malaria research: innovations and global malaria eradication”

– 150 years of diplomatic relations between Sweden and Japan will be celebrated through a seminar on malaria research collaboration.

Date: 13th of November 2018
Time: 9.00 – 17.00 Mingle 17.00 - 19.00
Venue: Nobel Forum, Karolinska Institutet, Stockholm

Background:
In the year 2018, Japan and Sweden will celebrate 150 years of diplomatic relations. In this momentum we will jointly hold the Sweden-Japan joint seminar “Malaria research: innovations and global malaria eradication”, following the first Sweden-Japan joint seminar “Malaria research: diversity and control” a decade ago in 11 June 2008 at Nobel Forum, Karolinska Institutet, Stockholm [Acta Tropica. 2010;114:129-177].

Following a concerted campaign to increase malaria intervention coverage to unprecedented levels, Plasmodium falciparum infection prevalence in endemic Africa has been halved and the incidence of clinical disease fell by 40% between 2000 and 2015 [Bhatt et al. 2015]. Nevertheless, there were an estimated 191 million new cases and 394,000 deaths due to malaria in Africa in 2015. About 74% of all malaria death in African occurred in children before their fifth birthday [World Malaria Report 2016]. Regarding the great progress made under the Millennium Development Goals, it is now important to build on this success and “end malaria for good” under the Sustainable Development Goals (SDGs). In the era of SDGs, there is a significant shift in focus from controlling diseases to achieving universal health coverage to ensure healthy lives and promote well-being for all the people. Successful malaria elimination relieves the economic burden associated with costs of malaria treatment and loss of human capital and productivity that trap households, communities and government in poverty. With the vision of a malaria free world, the Global Technical Strategy (GTS) for malaria 2016–2030 [WHO 2017] sets ambitious, but attainable goals for the next 14 years. Unlike the 1953 Global Malaria Eradication Program, which relied solely on all of the tools available (DDT and chloroquine) at the time, the GTS instead declares that innovations will play an important role in achieving key milestones towards malaria eradication [WHO 2017]. These innovations include development of new and improved tools, optimized the use of currently available ones and rapid uptake of emerging tools, interventions and strategies.

In this context this seminar addresses innovations and the feasibility of malaria elimination in tropical Africa, which will be the last obstacle towards global malaria eradication, through the renovated Sweden-Japan research collaboration.

You are most welcome!

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PROGRAM

KI-Japan joint seminar “Malaria research: innovations and global malaria eradication”

13 NOVEMBER 2018, NOBEL FORUM, KAROLINSKA INSTITUTET

9:00 Opening
Prorektor Karin Dahlman-Wright, KI

9:15 Session 1: Innovation I (20 minutes x 4 speakers) [Chair: M. Wahlgren]
Mats Wahlgren, KI
Sevuparin: a novel therapeutic agent to treat severe Plasmodium falciparum malaria
Masahiro Hiratsuka, Tohoku University
Pharmacogenomics of antimalarial drugs
Eizo Takashima, Ehime University
Strategies to identify novel malaria vaccine candidates with wheat germ cell-free system
Toshihiro Horii, Osaka University
Pathway for BK-SE36 malaria vaccine development

10:35 Coffee break

11:00 JSPS presentation
Takao Yoshihara, JSPS Stockholm Office

11:10 Session 2: Innovation II (20 minutes x 5 speakers) [Chair: K. Kita]
Toshihiro Mita, Juntendo University
Emergence of artemisinin-resistant malaria outside Greater Mekong Subregion
Pedro Ferreira, Portugal (JSPS alumni)
Piperaquine resistance in malaria parasites
Tohru Tanaka, Neopharma Japan & SBI Pharma
5-aminolevulinic acid. The roots of energy.
Kiyoshi Kita, Nagasaki University
5-aminolevulinic acid as an anti-malarial medicine
Chiaki Takeuchi, Sysmex Corporation
Introduction of Novel Technology toward Malaria detection
12:50  Lunch

14:10  Session 3: Malaria elimination I (20 minutes x 4 speakers) [Chair: N. Minakawa]

Noboru Minakawa, Nagasaki University
*Malaria vector control using long lasting insecticide-treated nets*

S. Noushin Emami, Stockholm University
*Novel strategies for control of vector-borne diseases*

Wataru Kagaya, Osaka City University
*Malaria elimination and resurgence after mass drug administration on an island of the Lake Victoria basin, Kenya*

Ulrika Morris, KI
*Effectiveness, feasibility and safety of mass drug administration for reducing seasonal malaria transmission in Zanzibar*

15:30  Coffee

15:55  Session 4: Malaria elimination II (20 minutes x 3 speakers) [Chair: A. Björkman]

Akira Kaneko, KI
*Sustainable malaria elimination on islands in Vanuatu*

Koji Lum, Binghamton University, USA (JSPS alumni)
*Health Transition: From Malaria Elimination to Chronic Disease (2007-2018)*

Anders Björkman, KI
*Malaria elimination in Zanzibar - what’s the problem?*

16:55  Closing

17:00  Mingle

Toast!  H.E. Ambassador Shigeyuki Hiroki, the Embassy of Japan in Sweden

A calligraphic performance, Hiroko Kimura

19:00  End

14 NOVEMBER 2018, BIOMEDICUM C0912, KAROLINSKA INSTITUTET
10:00 – 13:00
Small group meetings on Sweden-Japan malaria research collaboration. If you want to meet any specific person, please contact Akira. You are most welcome!
Speakers:

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150 år av diplomatiska relationer mellan Japan och Sverige