

AKIRA KANEKO CURRICULUM VITAE, August 2019

Based on achievements as WHO malariologist in malaria elimination on islands in Vanuatu from 1987 to 1994, I have conducted research on malaria epidemiology, chemotherapy and elimination in Vanuatu, Papua New Guinea, Indonesia, Cambodia, Malawi, Zanzibar, Ghana, and recently the Lake Victoria area in Kenya.

• Personal information

Family name, First name: Kaneko, Akira

Date of birth: 14 July 1956

Nationality: Japanese

• Education

2004	Docent Department of Medicine, Karolinska Institutet, Sweden
1999	Ph.D. Department of Medicine, Karolinska Institutet, Sweden
1984	D.T.M. & H., Diploma in Tropical Medicine and Hygiene Faculty of Tropical Medicine, Mahidol University, Thailand
1982	M.D. Hirosaki University School of Medicine, Japan

• CURRENT POSITION(S)

2011 –	Professor of Global Health Department of Microbiology, Tumor and Cell biology, Karolinska Institutet, Sweden
2010 –	Professor of Parasitology Graduate School of Medicine, Osaka City University, Japan
2006 –	Adjunct Professor Institute of Tropical Medicine, Nagasaki University, Japan

• PREVIOUS POSITIONS

2009– 2010	Senior Researcher/ Lecturer Department of Microbiology, Tumor and Cell Biology, Karolinska Institutet, Sweden
2005 – 2009	Researcher Department of Medicine, Karolinska Institutet, Sweden
1995 – 2005	Associate Professor of International affairs and Tropical Medicine Tokyo Women's Medical University, Japan
1995 – 2005	Consultant Physician in Tropical Medicine Japan International Cooperation Agency (JICA), Japan
1987 – 1994	Malariologist/Medical Officer Malaria Control Program, World Health Organization, Port Vila, Vanuatu
1985 – 1987	Malariologist JICA Asahan Health Promotion Project, North Sumatra, Indonesia
1983 – 1987	Assistant professor in Parasitology School of Medicine, Hirosaki University, Japan

• FELLOWSHIPS AND AWARDS

2018	The TROPMED Outstanding Alumni Award, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand
2016	Tropical Medicine Award, Japan Society of Tropical Medicine, Japan
2010 – 2016	Senior Researcher Position grant, Swedish Research Council, Sweden
2006	Hirosaki University School of Medicine Award (Hohoh Prize), Japan
2001	Tokyo Metropolitan Medical Research Award, Japan

- **MAJOR PREVIOUS SCIENTIFIC CONTRIBUTIONS**

- **A pioneer work on pharmacogenetics of antimalarial drugs in ethnic populations of Melanesia:**
Kaneko A, Kaneko O, Taleo G, Björkman A, Kobayakawa T. High frequencies of CYP2C19 mutations and poor metabolism of proguanil in Vanuatu. *Lancet* 1997; 349: 921-922.
- **The first proof of concept for malaria elimination:**
Kaneko A, Taleo G, Kalkoa M, Yamar S, Kobayakawa T, Björkman A. Malaria eradication on islands. *Lancet* 2000; 356: 1560-1564.
- **Genetic mechanisms for polymorphism of *P. vivax* parasite populations:**
Putaporntip C, Jongwutiwes S, Sakihama N, Ferreira M U, Kho W G, **Kaneko A**, Kanbara H, Hattori T, Tanabe K. Mosaic organization and heterogeneity in frequency of allelic recombination of the Plasmodium vivax merozoite surface protein-1 locus. *Proc Natl Acad Sci USA* 2002; 99: 16348-16353.
- **Evolutionary mechanisms of *P. falciparum* parasite populations on islands:**
Tanabe K, Sakihama N, **Kaneko A**. Stable SNPs in malaria antigen genes in isolated populations. *Science* 2004; 303: 493.
- **The proof of concept for global malaria eradication:**
Bhattarai A, Ali AS, Kachur SP, Mårtensson A, Abbas AK, Khatib R, Al-mafazy A-w, Ramsan M, Rotllant G, Gerstenmaier JF, Molteni F, Abdulla S, Montgomery SM, **Kaneko A**, Björkman A. Impact of artemisinin-based combination therapy and insecticide treated nets on malaria burden in Zanzibar. *Plos Med* 2007; 4; e309.
- **The origin and out-of-Africa evolutionary pathway of global *P. falciparum* parasite populations:**
Tanabe K, Mita T, Jombart T, Palacpac N, Ranford-Cartwright L, Sawai H, Sakihama N, Horibe S, Ohmae H, Nakamura M, Ferreira MU, Escalante AA, Björkman A, Färnert A, **Kaneko A**, Horii T, Kishino H, Balloux F. *Plasmodium falciparum*: a stowaway in our ancestors' journey out of Africa. *Current Biol* 2010; 20: 1283-1289.
- **Residual protective immunity and resurgence in sustainable malaria elimination:**
Kaneko A, Chaves LF, Taleo G, Kalkoa M, Isozumi R, Wickremasinghe R, Perlmann H, Takeo S, Tsuboi T, Tachibana S, Kimura M, Björkman A, Troye-Blomberg M, Tanabe K, Drakeley C. Characteristic age distribution of Plasmodium vivax infections after malaria elimination on Aneityum Island, Vanuatu. *Infect Immun.* 2014; 82):243-52.
- **Characteristics of malaria infections in high endemic areas of tropical Africa:**
Idris ZM, Chan CW, Kongere J, Gitaka J, Logedi J, Omar A, Obonyo C, Machini BK, Isozumi R, Teramoto I, Kimura M, **Kaneko A**. High and heterogeneous prevalence of asymptomatic and sub-microscopic malaria infections on islands in Lake Victoria, Kenya. *Sci Rep.* 2016; 6: 36958.