LIST OF PUBLICATIONS IN ENGLISH

May 2010

Akira Kaneko

- Ten selected important papers

I. Ganczakowski M, Town M, Bowden DK, Vulliamy TJ, Kaneko A, Clegg JB, Weatherall DJ, Luzzatto L. Multiple glucose 6-phosphate dehydrogenase-deficient variants correlate with malaria endemicity in the Vanuatu Archipelago (South-western Pacific). ***Am J Hum Genet*** 1995; 56: 294-301.

II. 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.

III. Kaneko A, Lum JK, Yaviong J, Takahashi N, Ishizaki T, Bertilson L, Kobabayakawa T, Björkman A. High and variable frequencies of CYP2C19 mutations: medical consequences of poor drug metabolism in Vanuatu and other Pacific islands. ***Pharmacogenetics*** 1999a; 9: 581-590.

IV. Kaneko A, Bergqvist Y, Takechi M, Kalkoa M, Kaneko O, Kobayakawa T, Ishizaki T, Björkman A. Intrinsic efficacy of proguanil against falciparum and vivax malaria independent of the metabolite cycloguanil. ***J Infect Dis*** 1999c;179:974-979.

V. Kaneko A, Taleo G, Kalkoa M, Yamar S, Kobayakawa T, Björkman A. Malaria eradication on islands. ***Lancet*** 2000; 356: 1560-1564.

VI. 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.

VII. Tanabe K, Sakihama N, Kaneko A. Stable SNPs in malaria antigen genes in isolated populations. ***Science*** 2004; 303: 493.

VIII. Mita T, Kaneko A, Lum JK, Zungu IL, Tsukahara T, Eto H, Kobayakawa T, Björkman A, Tanabe K. Expansion of wild type allele rather than back mutation in pfcrt explains the recent recovery of chloroquine sensitivity of Plasmodium falciparum in Malawi. ***Mol Biochem Parasitol*** 2004; 135: 159-163.

IX. Yoshiura K, Kinoshita A, Ishida T, Ninokata A, Ishikawa T, Kaname T, Bannai M, Tokunaga K, Sonoda S, Komaki R, Ihara M, Saenko VA, Alipov GK, Sekine I, Komatsu K, Takahashi H, Nakashima M, Sosonkina N, Mapendano CK, Ghadami M, Nomura M,

Liang DS, Miwa N, Kim DK, Garidkhuu A, Natsume N, Ohta T, Tomita H, Kaneko A, Kikuchi M, Russomando G, Hirayama K, Ishibashi M, Takahashi A, Saitou N, Murray JC, Saito S, Nakamura Y, Niikawa N. A SNP in the ABCC11 gene is the determinant of human earwax type. ***Nat Genet*** 2006;38:324-330.

X. 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.

- **Peer-reviewed articles**

**** Papers, in which my actual contribution should be regarded as the last authorship.***
Note that the Japanese tradition to always acknowledge age and position which does mean that I would never be allowed to be last and or corresponding author until I become head of department. I have absolutely been a first main supervisor in the PhD programs in Japan, in which I got second authorships in many articles.

Kaneko A, Chaves LF, Taleo G, Wickremasinghe R, Perlmann H, Eto H, Tachibana S-I, Takeo S, Tsuboi T, Bjorkman A, Drakeley C, Tanabe K, Troye-Blomberg M. *Plasmodium vivax* resurgence in children suggests persistent immunity in adults a decade after malaria elimination on islands. Infect Immun 2010; Under revision.

Kaneko A, Wahlgren M. Foreword: Malaria research - diversity and control: A Sweden-Japan Joint Seminar. Acta Trop 2010; 114:129-130.

Kaneko A. A community-directed strategy for sustainable malaria elimination on islands: short-term MDA integrated with ITNs and robust surveillance. Acta Trop 2010; 114:177-183.

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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.

Reiff DM, Kaneko A, Taleo G, Amos M, Lum JK. Population structure and gene flow of the Anopheles punctualtus Group (Diptera Culicidae) on five islands of Vanuatu: Implications for malaria control. J Med Entomol 2007; 44:601-607.

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Yoshiura K, Kinoshita A, Ishida T, Ninokata A, Ishikawa T, Kaname T, Bannai M, Tokunaga K, Sonoda S, Komaki R, Ihara M, Saenko VA, Alipov GK, Sekine I, Komatsu K, Takahashi H, Nakashima M, Sosonkina N, Mapendano CK, Ghadami M, Nomura M, Liang DS, Miwa N, Kim DK, Garidkhuu A, Natsume N, Ohta T, Tomita H, Kaneko A, Kikuchi M, Russomando G, Hirayama K, Ishibashi M, Takahashi A, Saitou N, Murray JC, Saito S, Nakamura Y, Niikawa N. A SNP in the ABCC11 gene is the determinant of human earwax type. Nat Genet 2006;38:324-330.

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*Akhwale W[#], Lum JK[#], Kaneko A[#], Eto H, Obonyo C, Björkman A, Kobayakawa T. Anemia and unstable malaria at different altitudes in the western highlands of Kenya. Acta Trop 2004; 91: 167-175. [[#] These authors contributed equally to this work.]

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Plasmodium falciparum following withdrawal of chloroquine use in Malawi. Am J Trop Med Hyg 2003; 68: 413-415.

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Ishikawa H, Kaneko A, Ishii A. Computer simulation of a malaria control trial in Vanuatu using a mathematical model with variable vectorial capacity. Jap J Trop Med Hyg 1996; 24: 11-19.

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with malaria endemicity in the Vanuatu Archipelago (South-western Pacific). Am J Hum Genet 1995; 56: 294-301.

Kaneko A, Taleo GK, Rieckmann KH. Island malaria control in eastern Melanesia: 1) Malaria eliminated from a small island by 9-week mass drug administration and impregnated bednets. Jpn J Parasitol 1994; 43: 358-370. (Japanese with English abstract)

Kaneko A, Taleo GK, Shirakawa C. Island malaria control in eastern Melanesia: 2) Age-specific manifestation in islanders of drug resistance in Plasmodium falciparum and Plasmodium vivax. Jpn J Parasitol 1994; 43: 371-383. (Japanese with English abstract)

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- **Manuscripts**

Ferreira P, Veiga MI, Gil JP, Uhlen P, Kaneko A. PfMDR1 transport model: mechanism of transport modulation by functional polymorphisms. In manuscript.

Kaneko A, Taleo G, Chaves LF, Tanabe K, Troye-Blomberg M, Björkman, Rieckmann KH. Sustainable malaria freedom: a longitudinal study on Aneityum island 1991 – 2007. In manuscript.

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. Ancient human demography shaped the current population structure of *Plasmodium falciparum*. In manuscript.

Chaves LF, Kalkoa M, Taleo G, Kaneko A. Spleen rates reflect malaria transmission shifts on islands in Vanuatu. In manuscript.

Dancause KN, DeHuff C, Soloway LE, Vilar M, Chan C, Wilson M, Tarivonda L, Regenvanu R, Kaneko A, Garruto RM, Lum JK. Behavioral changes associated with economic development in the South Pacific: the health transition in Vanuatu. In manuscript.

- **Book chapters (in English)**

Kaneko A, Wahlgren M (eds.). Malaria research-Diversity and control: A Sweden-Japan joint seminar. Acta Tropica Special Issue, 65 pp. Amsterdam: Elsevier B. V. 2010, Epub ahead of print

Kaneko A. Field blood sampling. In: Moll K, Ljunström I, Perlmann H, Scherf A, Wahlgren M (eds.). Methods in Malaria Research 5th ed. Virginia: MR4/ATCC. 2008. p.308-317

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Kaneko A. Nishiyama T. Drugs and parasites. In: Page, C.V. et al. (eds.) Integrated Pharmacology 2nd ed. p.145-162. London: Mosby. 2002.

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