

CURRICURUM VITAE

Asst. Prof. Naowarat Kanchanakhan, Ph.D



EDUCATION

1984 B.Sc.(Biology) Faculty of Science, Burapha University, Chonburi, Thailand
1988 M.Sc.(Zoology) Faculty of Science, Chulalongkorn University, Bangkok, Thailand
1996 Ph.D.(Molecular Parasitology) The Royal Institute of Technology, Stockholm, Sweden

RESEARCH INTEREST

Malaria, Infectious diseases, Public Health Sciences

PUBLICATIONS (Selected Publications)

1. Thaithong S., Chan SW., Songsomboon S., Wilairat P., **Seesod N.**, Sueblinwong T., Goman M, Ridley R. and Beale G. 1992. Pyrimethamine resistant mutations in *Plasmodium falciparum*. *Molecular and Biochemical Parasitology*. 52:149-158.
2. **Seesod N.**, Lundeberg J., Hedrum A., Aslund L., Holder S., Thaithong S. and Uhlen M. 1993. Immunomagnetic purification to facilitate DNA diagnosis of *Plasmodium falciparum*. *Journal of Clinical Microbiology*. 31:2715-2719.
3. Hedrum A., **Seesod N.**, Allen M., Gyllensten U., Uhlen M. and Lundeberg J. 1994. Rapid template preparation for PCR based HLA typing. In: Uhlen M., Hornes E. and Olsvik O. (Eds), *Advances in Biomagnetic Separation*. Eaton Publishing Co., Natick, MA, USA. 165-173.
4. Sueblinwong T., Chutmongkonkul M., **Seesod N.** and Thaithong S. 1996. The variation of Pf155/RESA gene in field isolates of *Plasmodium falciparum* from Thailand. *Journal of the Medical Association of Thailand*. 79: Suppl. 1: 40-48.

5. **Seesod N.**, Nopparat P., Hedrum A., Holder A., Thaithong S., Uhlen M. and Lundeberg J., 1997. An integrated system using immunomagnetic separation, PCR and colorimetric detection for diagnosis of *Plasmodium falciparum* evaluated in the field study in Thailand. *The American Journal of Tropical Medicine and Hygiene*. 56(3): 322-328.
6. **Seesod-Kanchanakhan N.**, Allen M., Seublinvong T., Perlmann H., Troye-Blomberg M., Thaithong S., Perlmann P. and Gyllensten U. 1997. Analysis of the contribution of HLA class II alleles to malaria susceptibility in Thailand. Proceeding of the Chulalongkorn University 80th Anniversary Research Conference, Chulalongkorn University, Bangkok, Thailand.
7. **Seesod N.**, Allen M., Seublinvong T., Perlmann H., Troye-Blomberg M., Thaithong S., Perlmann P. and Gyllensten U. 2000. HLA class II loci and malaria infection in Thailand *Hereditas*. 132:119-127.
8. **Seesod N.**, Allen M., Seublinvong T., Perlmann H., Troye-Blomberg M., Thaithong S., Perlmann P. and Gyllensten U. 2000. HLA class II variation in indigenous populations from Thailand. *Hereditas*. 132:129-136.
9. Thaithong, S., Ranford-Cartwright, L.C., Siripoon, N., Harnyuttanakorn, P., **Seesod-Kanchanakhan, N.**, Seugorn, A., Rungsihirunrat, K., Cravo, P.V.L. and Beale, G.H. 2001 *Plasmodium falciparum*: gene mutations and amplification of DHFR genes in parasites grown *in vitro* in presence of pyrimethamine. *Experimental. Parasitology*. 98, 59-70.
10. **Seesod-Kanchanakhan N** and Lena Aslund. 2002. Polymorphism of the Pf155/RESA antigen among field isolates of *Plasmodium falciparum* in Thailand. *Thai Journal of Health Research*. 16(2):115-134.
11. Pumpaiboon T, **Seesod-Kanchanakhan N**, Siripoon N, Seugorn A and Harnyuttanakorn P. 2003. *Plasmodium falciparum*: *EcoRI* site polymorphism in the genome of a parasite clone grown in presence of pyrimethamine. *Thai Journal of Health Research*. 17(1): 115-134.
12. **Kanchanakhan N**, Pumpaibool T, Siripoon N, Seugorn A, and Harnyuttanakorn P. 2007. Sequence analysis of the gene encoding 1-deoxy-d-xylulose 5-phosphate (DOXP) reductoisomerase in multidrug resistant isolates of *Plasmodium falciparum* collected from patients along Thai-Myanmar border areas. *Thai Journal of Health Research*. 21(2): 113-118.

13. Seugorn A, Siripoon N, **Kanchanakhan N**, Rungsahirunrat K, Pumpaibool T, Vichaikatka S, Thaithong S and Harnyuttanakorn P. 2007. Drug susceptibility of *Plasmodium falciparum* collected from different areas of Thailand during 2000-2001. **Journal of Health Research**. 21(2): 119-124.
14. Phensaengngam W., Harnyuttanakorn P and **Kanchanakhan N**. 2008. Assessment of knowledge, attitude and practice regarding malaria prevention towards Karen ethnic group in Umpiem mai, Phobphra district, Tak province. **Journal of Health Research**. 22(4):195-198.
15. Thanabouasy C, Pumpaibool T and **Kanchanakhan N**. Assessment of knowledge, attitude and practice regarding malaria prevention towards population in Paksong district, Champasack province, Lao PRD. 2009. **Journal of Health Research**. 23(1): 11-15.
16. Pumpaibool T, Arnathau C, Durand P, **Kanchanakhan N**, Siripoon N, Suegorn A, Sitthi-amorn C, Renaud F and Harnyutthanakorn P. Genetic diversity and population structure of *Plasmodium falciparum* in Thailand, a low transmission country. 2009. **Malaria Journal**. 8(155).
17. Theerathananon W., Francois J.J., Zongram O., Pumpaibool T., Seugorn A., Siripoon N., Harnyuttanakorn P. and **Kanchanakhan N**. 2010. Prevalence of G6PD deficiency in malaria endemic area: Case study in Bongti sub-district, Sai Yok district, Kanchanaburi province, Thailand. **Journal of Health Research**. 24(suppl 1): 55-62.
18. Simpalipan P, **Kanchanakhan N.**, Siripoon N. , Suegorn A., Pumpaibool T. and Harnyuttanakorn P. 2010. Allelic pattern and frequency of the block 17 of merozoite surface protein 1 gene among *Plasmodium falciparum* isolates from Ranong province, Thailand. 36th Congress on Science and Technology of Thailand, Bangkok, Thailand. 4 Sep. 2010.
19. **Kanchanakhan N**. 2011. Artemisinin Based Combination Therapies and *Pfmdr1* as a marker for monitoring antimalarial resistance in Thailand. **Journal of Health Research**. 25(3): 157-160.
20. Pumpaibool T, **Kanchanakhan N**, Siripoon N, Suegorn A and Harnyutthanakorn P. 2011. Population structure of *Plasmodium falciparum* in Kanchanaburi and Ranong, Thailand. The 11th Annual Conference of Public Health Sciences, Bangkok, Thailand. 1 Oct. 2010.

21. Zongram O, Hounaklang N, Pumpaibool T, **Kanchanakhan N**, Siripoon N, Suegorn A and Harnyutthanakorn P. 2011. Study of antimalarial drug use among population in malaria endemic area: A case study in Tak province. The 11th Annual Conference of Public Health Sciences, Bangkok, Thailand. 1 Oct. 2010.
22. **Kanchanakhan N**, Pumpaibool T. Suegorn A Siripoon N. 2012. Analysis of cytochrome b mutations in *Plasmodium falciparum* in Thai isolates collected from Surin, Chantaburi and Trat provinces. The 12th Annual Conference of Public Health Sciences, Bangkok, Thailand. 1 Oct. 2012.
23. **Kanchanakhan N**, Pumpaibool T. Suegorn A Siripoon N. 2012. Distinction of *Plasmodium falciparum* recrudescences and reinfections by MSP1 and MSP2 genotyping in Bongtee subdistrict, Kanchanaburi, Thailand. The 12th Annual Conference of Public Health Sciences, Bangkok, Thailand. 1 Oct. 2012.
24. Cheychom J., **Kanchanakhan N**. and Harnyuttanakorn P. 2013. Antifolate resistance mutation and proguanil susceptibility among *Plasmodium falciparum* isolates in Thai-Cambodia border. *Journal of Health Research*. 27(5):301-305.
25. Hanh NTM., Chapman RS., Havanond P. and **Kanchanakhan N**. 2014. Respiratory effects among non-smoking woman in relation to household cooking fuel uses in Tu Liem suburban district, Hanoi, Vietnam. *Journal of Health Research*. 28(1): 1-8.
26. Tangteerawatana P., Krudsood S., **Kanchanakhan N.**, Troye-Blomberg M. and Khusmith S. 2014. Low monocyte to neutrophil ratio in peripheral blood associated with disease complication in primary *Plasmodium falciparum* infection. *Southeast Asia J Tropical Medicine and Public Health*. 45(3):517-530.
27. Sangngern L., **Kanchanakhan N**. and Samrongthong R., 2014. Health status and health seeking behaviours among the elderly in the Donmuang Slum community, Bangkok, Thailand. *Journal of Health Research*. 28(3): 205-210.
28. Yen NTH., and **Kanchanakhan N**. 2015. Prevalence and factors related to dental caries among 6 years old children in Nha Trang city Khanh Hao Province Vietnam. *Journal of Health Research*. 29(4): 251-258.
29. Damapong P., **Kanchanakhan N**. and Eungpinichpong V. 2015. Effectiveness of Court-type Traditional Thai Massage in patients with chronic tension-type headache: A pilot study. *Journal of Health Research*. 29(5): 351-356.
30. Damapong P., **Kanchanakhan N**. and Eungpinichpong V. Putthapitak P and Damapong P. 2015. A randomized control trial on the Court-Type Traditional Thai Massage versus amitriptyline in patients with Chronic Tension-Type Headache: *Evidence-Based Complementary and Alternative Medicine*. 2015 Article ID 930175:12 p.

31. Wamontree P., **Kanchanakhan N.**, Eungpinichpong and Jeensawek A. 2015. Effect of traditional Thai self-massage using a Wilai massage stickTM versus ibuprofen in patients with upper back pain associated with myofascial trigger point : a randomized control trial. *Journal of Physical Therapy Science*. 27: 3493-3497.
32. Wamontree P., **Kanchanakhan N.**, Eungpinichpong W. 2015. Effect of traditional Thai self-massage using a Wilai massage stickTM versus ibuprofen in patients with upper back pain associated with myofascial trigger point : a pilot study. *J. Health Res.* 29 (6): 403-408.
33. Cheycom J., **Kanchanakhan N.**, Vijaykadga S., Gaywee J. and Harnyuttanakorn P. 2015. Cytochrome b mutation and atovaquone susceptibility in Plasmodium falciparum isolates from the Thai-Cambodian border during 1990-2010. *Science Asia*. 41(2015): 340-344.
34. Damapong P., **Kanchanakhan N.** and Eungpinichpong V. Putthapitak P and Damapong P. 2016. Short-term effect of court-type Traditional Thai massage on pressure pain threshold and pain intensity in patients with chronic tension-type headach. *Inernational Journal of Geomate*. 11 (28): 2824-2829.
35. Wamontree P., **Kanchanakhan N.**, Eungpinichpong W. 2016. Effect of traditional Thai self-massage using a Wilai massage stick^{kTM} in patients on upper trapezius with myofascial trigger point : a randomized control trail. *Inernational Journal of Geomate*. 11 (28): 2834-2837.
36. Wattanasoei S., Binson B., Kumar R., Somrongthong R and **Kanchakhan N.**,2017. Quality of life through listening music among elderly people in semi-urban area, Thailand. *Journal of Ayub Medical. College Abbottabad*. 29(1):21-25.
37. Udombhornprabha A., **Kanchanakhan N.** and Phongmanjit P. 2017. A short -term assessment of herbal medicine combination: A randomized cross-over controled trial in healthy volunteer. *EAU heritage Journal Science and Technology*. 11(3):72-84.
38. Kanlayanatam R, **Kanchanakhan N.** Factors related to decision-making towards participation in clinical trials in diabetes patients at King Chulalongkorn Memorial Hospital, Bangkok, Thailand. *Journal of Health Research*. 2017; 31(Suppl.1): S113-9. DOI: 10.14456/jhr.2017.74
39. Bunyalug M. and **Kanchanakhan N.** 2017. Effect of using smartphone before bed on sleep quality among undergraduate at Chulalongkorn University, Thailand. *Journal of Health Research*. 31(Suppl.2): S225-31. DOI: 10.14456/jhr.2017.88
40. Pa-onta P and **Kanchanakhan N.** 2017. Molecular analysis of *Pfmdr1* gene in *Plasmodium falciparum* in Thai-Cambodia border. *Journal of Health Research*. 31(Suppl.2): S251-9. DOI: 10.14456/jhr.2017.92

41. Udombhornprabha A., **Kanchanakhan N.** and Phongmanjit P. 2018. Health related quality of life screening with medical outcome study 12-item short-form health survey (MOS SF 12) and 14-item short form health survey for chronic insufficiency (MOS CIVIG 14) Thai version. *International Journal of Current Research*. 10(01):64592-64610.
42. Thitipitchayanant K., Somrongthong R., Kumar R. and Kanchanakhan N. 2018. Effectiveness of self-empowerment-affirmation-relaxation (Self-EAR) program for postpartum blues mothers: A randomized controlled trial. *Pakistan Journal of Medical Science*. 34(6): 1-6.
43. Udombhornprabha A., **Kanchanakhan N.** and Phongmanjit P. 2019. A randomized, double-blinded, controlled trial of herbal medicine combination for leg symptoms to chronic venous disease. *Biomedical Research and Therapy*. 6(2):3003-3015.