

Curriculum Vitae



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Education: **Bachelor Degree;** B.Sc. (Medical Technology), *First class honour and Gold medal*, Faculty of Associated Medical Sciences, Khon Kaen University, Thailand
(2008-2012)
Doctoral Degree; Ph.D. in Biomedical Sciences Program, Graduate School, Khon Kaen University, Thailand
(2012-2017)

Position: Lecturer (August 2017 - present)

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Experiences : **Research assistant** at Centre for Research and Development of Medical Diagnostic Laboratories, Faculty of Associated Medical Sciences, Khon Kaen University (Detection of beta-thalassemia mutations using Allele Specific-PCR)

Teaching assistant for MT students (Topic: Thalassemia) at Faculty of Associated Medical Sciences, Khon Kaen University

Medical technologist at Clinical Chemistry Laboratory, Srinagarind hospital, Khon Kaen, Thailand (2012-2017).

Presentations and Publications

Research presentations

1. **Jomoui W**, Nguyen V H, Siridamrongvattana S, Sanchaisuriya K, Nguyen D, Fucharoen G, Fucharoen S. Hemoglobin Constant Spring Gene in Vietnamese. Paper presented at National Genetics Conference 2013. Ambassador hotel, Bangkok, Thailand 17-19 July 2013. (Poster presentation)
2. **Jomoui W**, Sanchaisuriya K, Fucharoen G, Fucharoen S. Hemoglobin E in Southeast Asian populations: haplotype and phylogenetic analyses. Paper presented at Pan-Asian Biomedical Sciences Conference. Hong Kong Science Park, Hong Kong 11-12 December 2014. (Poster presentation)
3. **Jomoui W**, Sanchaisuriya K, Fucharoen G, Fucharoen S. The guideline for screening alpha thalassemia 1 carrier (SEA deletion) by detection zeta globin chain using immunochromatographic strip assay. Presented at Thalassemia national conference 2016. Pullman Khon Kaen Raja Orchid, Khon Kaen, Thailand 9-11 March 2016. (Oral* & Poster presentation)
**Best oral presentation award*
4. **Jomoui W**, Sanchaisuriya K, Fucharoen G, Nguyen V H, Fucharoen S. Haplotypic heterogeneities of hemoglobin Constant Spring and hemoglobin E genes in Southeast Asian populations. Paper presented at RGJ-Ph.D. Congress XVII. Jomtien Palm Beach Hotel & Resort, Pattaya, Thailand 8-11 June 2016. (Poster presentation)
5. **Jomoui W**, Sanchaisuriya K, Fucharoen G, Fucharoen S. Two SNPs linked strongly with SEA deletion α -thalassemia in Thai population. Paper presented at 3RD Pan-Asian Biomedical Sciences Conference 2016. Premiera hotel, Kuala Lumpur, Malaysia 7-8 December 2016. (Poster presentation)

6. **Jomoui W**, Charoenwijitkul P, Maneesarn J, Fucharoen G, Fucharoen S. Double check PCR systems for accurate prenatal diagnosis of Hb Bart's hydrops fetalis caused by (α^0 -^{SEA}) α^0 -thalassemia. Paper presented at the XXXth International Symposium on Technological Innovations in Laboratory Hematology (ISLH2017). Hawaii convention center, Hawaii, USA 4-6 May 2017. (Poster presentation)
7. Charoenwijitkul P, **Jomoui W**, Maneesarn J, Fucharoen G, Fucharoen S. Accurate diagnosis of Hb Bart's hydrops fetalis using a combined gap-PCR and SNP [rs 3760053] genotyping. Paper presented at The 40th Annual Association of Medical Technology of Thailand Conference. Ambassador City Jomtien Hotel, Pattaya, Thailand 31May-3 June 2016. (Poster presentation)
8. Taweenan W, Fucharoen G, **Jomoui W**, Tepakhan W, Jumnok J, Fucharoen S. β -Globin gene mutations in a cohort of Thai subjects with borderline Hb A₂ levels. Paper presented at The 40th Annual Association of Medical Technology of Thailand Conference. Ambassador City Jomtien Hotel, Pattaya, Thailand 31May-3 June 2016. (Poster presentation)

Research publications

1. **Jomoui W**, Fucharoen G, Fucharoen S. Study on the origins of hemoglobins S, E, C and Constant Spring by globin gene haplotype analysis. J Med Tech Phy Ther 2014; 26: 129-140.
2. **Jomoui W**, Fucharoen G, Sanchaisuriya K, Nguyen V H, Fucharoen S. Hemoglobin Constant Spring among Southeast Asian Populations: Haplotypic Heterogeneities and Phylogenetic Analysis. PLoS ONE 2015; 10(12): e0145230.
3. **Jomoui W**, Fucharoen G, Sanchaisuriya K, Fucharoen S. Screening of (α^0 -^{SEA}) α^0 -thalassaemia using an immunochromatographic strip assay for the ζ -globin chain in a population with a high prevalence and heterogeneity of haemoglobinopathies. J Clin Pathol 2016; 70: 63-68.
4. **Jomoui W**, Fucharoen G, Sanchaisuriya K, Charoenwijitkul P, Maneesarn J, Xu X, Fucharoen S. Genetic origin of α^0 -thalassemia (SEA deletion) in Southeast Asian populations and application to accurate prenatal diagnosis of Hb Bart's hydrops fetalis syndrome. J Hum Genet 2017.doi: 10.1038/jhg.2017.41.

5. **Jomoui W**, Fucharoen G, Sanchaisuriya K, Nguyen V H, Nga T, Fucharoen S. Molecular analysis of hemoglobin E in Southeast Asian populations. *Ann Hum Biol.* Accepted (**In press**)