

# Sirilak Dusitsittipon



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## EXPERIENCE

**Internship student** Dept. of Biology, Texas A&M University Texas, USA

January – July 2015, Supervisor: Asst. Prof. Charles D. Criscione

Research of "Cryptic lineage diversity in *Angiostrongylus cantonensis* via Nuclear multilocus genotype clusters and Mitochondrial clades"

**Lecturer** Dept. of Parasitology and Entomology, Faculty of Public Health, Mahidol University Thailand

December 2017 – Currently

## EDUCATION

**Doctor of Philosophy (Tropical Medicine)** Mahidol University Bangkok, Thailand 2010-2016 (Thesis)

**Bachelor of Science (Biology)** Silpakorn University Thailand 2006-2009 (First class honors)

## SKILL

Population analysis, Analyzing DNA sequence data, microsatellite analysis, Clustal X, BioEdit, MEGA, Primer design, PCR, RAPD-PCR, and DNA cloning

## PROJECT

- Genetic diversity and phylogeography of *Angiostrongylus* species in Thailand (Thesis)
- Development of high effective molecular tool for determining prevalence and co-infection evidence of infective stage of *Angiostrongylus cantonensis* and *A. malaysiensis* in gastropod intermediate hosts in Thailand (In progress)

## CERTIFICATIONS & COURSES

- Certified the workshop-training course "**The care and practice techniques laboratory animals**", March 15-16, 2018
- อบรมเชิงปฏิบัติการ "การเพิ่มพูนความรู้และทักษะการวินิจฉัยทางปรสิตวิทยาและกีฏวิทยา", 23-25 พฤษภาคม 2561
- อบรม "ผู้ช่วยรับใบอนุญาตใช้สัตว์เพื่องานทางวิทยาศาสตร์" (เลขที่คำขอรับใบอนุญาตใช้สัตว์ U1-07610-2561), 30-31 พฤษภาคม 2561
- Certified **Ethics in Human Research**, July 12, 2018

## PUBLICATIONS

- **Dusitsittipon, S.**, Thaenkham, U., Watthanakulpanich, D., Adisakwattana, P., & Komalamisra, C. (2015) Genetic differences in the rat lungworm, *Angiostrongylus cantonensis* (Nematoda: Angiostrongylidae), in Thailand. J Helminthol, 89 (5), 545-551.
- **Dusitsittipon, S.**, Criscione, C.D., Morand, S., Komalamisra, C., & Thaenkham, U. (2017) Cryptic lineage diversity in the zoonotic pathogen *Angiostrongylus cantonensis*. Mol Phylogenet Evol, 107, 404-414.
- **Dusitsittipon, S.**, Criscione, C.D., Morand, S., Komalamisra, C., & Thaenkham, U. (2018) Hurdles in the evolutionary epidemiology of *Angiostrongylus cantonensis*: Pseudogenes, incongruence between taxonomy and DNA sequence variants, and cryptic lineages. Evol Appl, 11(8), 1257-1269.
- Chaisiri K, **Dusitsittipon S**, Panitvong N, Ketboonlue T, Nuamtanong S, Thaenkham U, et al. (2019) Distribution of the newly invasive New Guinea flatworm *Platydemus manokwari* (Platyhelminthes: Geoplanidae) in Thailand and its potential role as a paratenic host carrying *Angiostrongylus malaysiensis* larvae. J Helminthol, 93(6): 711-9.
- Chan AHE, Chaisiri K, **Dusitsittipon S**, Jakkul W, Charoennitiwat V, Komalamisra C, et al. (2020) Mitochondrial ribosomal genes as novel genetic markers for discrimination of closely related species in the *Angiostrongylus cantonensis* lineage. Acta Trop. 2020; 211:105645.

## REFERENCE

Assoc. Prof. Dr. **Urusa Thaenkham**, Dept. of Helminthology, Mahidol University  
Tel: 66 (0) 2643 5600, E-mail: urusa.tha@mahidol.ac.th, Relationship: Graduate thesis advisor

