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EDUCATION

2008

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Ph.D. (Tropical Medicine)

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B.Sc. (Medical Technology)

EXPERTISE

- Molecular parasitology
- Drug resistance malaria
- Sanitary parasitology

Publications

1. Noranate, N., Sripanomphong, J., Mphande- Nyasulu, F. A., & **Chaorattanakawee, S.** (2024). *Plasmodium falciparum* surf_{4.1} in clinical isolates: From genetic variation and variant diversity to in silico design immunopeptides for vaccine development. PLoS ONE, 19(12 December), Article e0312091. <https://doi.org/10.1371/journal.pone.0312091>
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- Fricken, M. E. (2022). Tracking tick-borne diseases in Mongolian livestock using next generation sequencing (NGS). *Ticks and Tick-borne Diseases*, 13(1), Article 101845. <https://doi.org/10.1016/j.ttbdis.2021.101845>
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Publications

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Publications

- fresh clinical isolates in Cambodia. *Malaria Journal*, 14(1), Article 486. <https://doi.org/10.1186/s12936-015-1021-8>
22. Spring, M. D., Lin, J. T., Manning, J. E., Vanachayangkul, P., Somethy, S., Bun, R., Se, Y., Chann, S., Ittiverakul, M., Sia-ngam, P., Kuntawunginn, W., Arsanok, M., Buathong, N., **Chaorattanakawee, S.**, Gosi, P., Ta-aksorn, W., Chanarat, N., Sundrakes, S., Kong, N., ... Saunders, D. L. (2015). Dihydroartemisinin-piperaquine failure associated with a triple mutant including kelch13 C580Y in Cambodia: An observational cohort study. *The Lancet Infectious Diseases*, 15(6), 683-691. [https://doi.org/10.1016/S1473-3099\(15\)70049-6](https://doi.org/10.1016/S1473-3099(15)70049-6)
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Publications

26. **Chaorattanakawee, S.**, Tyner, S. D., Lon, C., Yingyuen, K., Rutvisutinunt, W., Sundrakes, S., Sai-Gnam, P., Johnson, J. D., Walsh, D. S., Saunders, D. L., & Lanteri, C. A. (2013). Direct comparison of the histidine-rich protein-2 enzyme-linked immunosorbent assay (HRP-2 ELISA) and malaria SYBR green i fluorescence (MSF) drug sensitivity tests in *Plasmodium falciparum* reference clones and fresh ex vivo field isolates from Cambodia. *Malaria Journal*, 12(1), Article 239. <https://doi.org/10.1186/1475-2875-12-239>
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