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EDUCATION

Ph.D. (Molecular Genetics and Genetic Engineering), Mahidol University, Thailand, 2015
M.Sc. (Molecular Genetics and Genetic Engineering), Mahidol University, Thailand, 2007
B. Sc. (Medical Technology), Mahidol University, Thailand, 2004

EXPERIENCE

Assistant Professor: Chulabhorn International College of Medicine, Thammasat University 2015-present
Visiting Scholar: Department of Molecular Biosciences, The University of Texas at Austin, 2011-2012
Research Assistant: Institute of Molecular Biosciences, Mahidol University, 2007-2008

CURRENT RESEARCH

Antibody and peptide engineering; Molecular targets (cancer-test antigens, circular RNAs);
T-cell engager development; Biologics discovery and development; Point-of-care testing development

PUBLICATIONS

1. Prasopdee, S., Tongsima, S., Pholhelm, M., Yusuk, S., Tangphatsornruang, S., Butthongkomvong, K., **Phanaksri, T**., Kunjantarachot, A., Kulsantiwong, J., Tesana, S., Sathavornmanee, T., & Thitapakorn, V. (2024). Biomarker potential of plasma cell-free DNA for cholangiocarcinoma. *Heliyon*, 10(24), e41008.
2. Supradit, K., Prasopdee, S., **Phanaksri, T**., Tangphatsornruang, S., Pholhelm, M., Yusuk, S., Butthongkomvong, K., Wongprasert, K., Kulsantiwong, J., Chukan, A., Tesana, S., & Thitapakorn, V. (2024). Differential circulating miRNA profiles identified miR-423-5p, miR-93-5p, and miR-4532 as potential biomarkers for cholangiocarcinoma diagnosis. *PeerJ*, 12, e18367.
3. Thitapakorn, V., **Phanaksri, T**., Yusuk, S., Pholhelm, M., Pitaksakulrat, O., Kulsantiwong, J., Sathavornmanee, T., Kunjantarachot, A., Rojthongpond, T., Chitkoolsamphan, Y., & Prasopdee, S. (2024). Unveiling the transmission potential of *Opisthorchis viverrini* and intestinal helminths along the Thailand-Laos border in Thailand. *Zoonoses and Public Health*, 71(8), 942–954.
4. Supradit, K., Wongprasert, K., Tangphatsornruang, S., Yoocha, T., Sonthirod, C., Pootakham, W., Thitapakorn, V., Butthongkomvong, K., **Phanaksri, T.**, Kunjantarachot, A., Klongprateeppon, H.,

Sattavacharavech, P., & Prasopdee, S. (2024). microRNA profiling of exosomes derived from plasma and their potential as biomarkers for *Opisthorchis viverrini*-associated cholangiocarcinoma. *Acta Tropica*, 258, 107362.

5. Prasopdee, S., Pholhelm, M., Yusuk, S., Tangphatsornruang, S., Butthongkomvong, K., Kunjantarachot, A., **Phanaksri, T.,** Kulsantiwong, J., Tesana, S., & Thitapakorn, V. (2024). Investigation of plasma cell-free DNA and miRNA in cholangiocarcinoma and Opisthorchiasis viverrini patients. *Asian Pacific Journal of Cancer Prevention*, 25(3), 739-746.
6. Saetan, J., Duangprom, S., Songkoomkrong, S., Amonruttanapun, P., **Phanaksri, T**., Surinlert, P., Samhuay, C., Tamtin, M., Suwansa-Ard, S., Cummins, S. F., Sobhon, P., and Kornthong, N. (2023). Potent ovarian development as being stimulated by cocktail hormone in the female Scylla olivacea*, Frontiers in Marine Science*, 10
7. Prasopdee, S., Rojthongpond, T., Chitkoolsamphan, Y., Pholhelm, M., Yusuk, S., Pattaraarchachai, J., Butthongkomvong, K., Kulsantiwong, J., **Phanaksri, T**., Kunjantarachot, A., Tesana, S., Sathavornmanee, T., & Thitapakorn, V. (2023). Update on the risk factors for opisthorchiasis and cholangiocarcinoma in Thailand. *Parasites, Hosts and Diseases*, 61(4), 463–470.
8. Prasopdee, S., Yingchutrakul, Y., Krobthong, S., Pholhelm, M., Wongtrakoongate, P., Butthongkomvong, K., Kulsantiwong, J., **Phanaksri, T.**, Kunjantarachot, A., Sathavornmanee, T., Tesana, S., & Thitapakorn, V. (2022). Differential plasma proteomes of the patients with Opisthorchiasis viverrini and cholangiocarcinoma identify a polymeric immunoglobulin receptor as a potential biomarker. *Heliyon*, 8(10), e10965.
9. Duangprom, S., Saetan, J., **Phanaksri, T**., Songkoomkrong, S., Surinlert, P., Tamtin, M., Sobhon, P. & Kornthong, N. (2022). Acceleration of ovarian maturation in the female mud crab with RNA interference of the vitellogenesis-inhibiting hormone (VIH). *Frontiers in Marine Science*, 9, 880235.
10. Kunjantarachot, A., & **Phanaksri, T.** (2022). Effective platform for the production of recombinant outer membrane vesicles in Gram-negative bacteria. *Journal of Microbiology and Biotechnology*, 32(5), 621–629.
11. Prasopdee, S., Yingchutrakul, Y., Roytrakul, S., Pholhelm, M., **Phanaksri, T**., Kunjantarachot, A., Kulsantiwong, J., Butthongkomvong, K., Tesana, S., Sathavornmanee, T., & Thitapakorn, V. (2022). Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta as a potential biomarker for *Opisthorchis viverrini* infection and cholangiocarcinoma. *Parasitology*, 149(2), 171–180.
12. **Phanaksri, T.**, Yingchutrakul, Y., Roytrakul, S., Prasopdee, S., Kunjantarachot, A., Butthongkomvong, K., Tesana, S., Sathavornmanee, T., & Thitapakorn, V. (2022). Plasma

checkpoint protein 1 (Chk1) as a potential diagnostic biomarker for opisthorchiasis and cholangiocarcinoma. *Cancer Biomarkers*, 33(1), 43–55.

13. Kornthong, N., **Phanaksri, T**., Saetan, J., Duangprom, S., Lekskul, B., Vivattanasarn, T., Songkoomkrong, S., Jattujan, P., Cummins, S. F., Sobhon, P., & Suwansa-Ard, S. (2021). Identification and localization of growth factor genes in the sea cucumber, *Holothuria scabra*. *Heliyon*, 7(11), e08370.
14. Asasutjarit, R., Managit, C., **Phanaksri, T.**, Treesuppharat, W., & Fuongfuchat, A. (2020). Formulation development and in vitro evaluation of transferrin-conjugated liposomes as a carrier of ganciclovir targeting the retina. *International Journal of Pharmaceutics*, 577, 119084.
15. Kornthong, N., Duangprom, S., Suwansa-Ard, S., Saetan, J., **Phanaksri, T.**, Songkoomkrong, S., Kheowkae, S., Pollawat, J., & Sobhon, P. (2019). Molecular characterization of a vitellogenesis-inhibiting hormone (VIH) in the mud crab (*Scylla olivacea*) and temporal changes in abundances of *VIH* mRNA transcripts during ovarian maturation and following neurotransmitter administration. *Animal Reproduction Science*, *208*, 106122.
16. **Phanaksri T**, Luxananil P, Panyim S, Tirasophon W. Synergism of regulatory elements in σB- and σA-dependent promoters enhances recombinant protein expression in *Bacillus subtilis*. *Journal of Bioscience and Bioengineering*. 2015;120(4):470-5.
17. Seo Gil J, Kincaid Rodney P, **Phanaksri T**, Burke James M, Pare Justin M, Cox Jennifer E, et al. Reciprocal Inhibition between Intracellular Antiviral Signaling and the RNAi Machinery in Mammalian Cells. *Cell Host & Microbe*. 2013;14(4):435-45.

POSTER PRESENTATION

1. Lerthirunvibul N., & **Phanaksri T**. Interleukin-37b exerts antitumor activity on gallbladder cancer cell line. The 6th Immunotherapy of Cancer Conference (ITOC6), April 11th -13th, 2019, Vienna, Austria. *European Journal of Cancer*. 2019;110:S30