

CURRICULUM VITAE

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Education

- 2019-2023 Ph.D. in Medical Biochemistry and Molecular Biology Program, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
- 2019-2023 Ph.D. in graduate school of Medical Sciences, Kumamoto University, Kumamoto, Japan (Double Degree Program; DDP)
- 2015-2019 M.Sc. in Medical Biochemistry and Molecular Biology Program, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
- 2011-2014 B.Sc. in Science in Medical Science (First class honor), Faculty of Medical Science, Naresuan University, Phitsanulok, Thailand

Publications

1. Zin Myint HN, Saranaruk P, Paungpan N, Waraasawapati S, Pairojkul C, **Saisomboon S**, et al. High cyclic GMP-AMP synthase and stimulator of interferon genes in cholangiocarcinoma suggest their potential as targets for treatment. PeerJ. 2025;13:e19800.
2. Paungpan N, Vaeteewoottacharn K, Dana P, **Saisomboon S**, Roytrakul S, Hipkaeo W, et al. Cholangiocarcinoma-derived secreted products and growth arrest-specific 2-like 3 enhance migratory and invasive abilities of fibroblasts. Eur J Cell Biol. 2025;104(3):151507.
3. Vaeteewoottacharn K, Kariya R, **Saisomboon S**, Paungpan N, Luang S, Piyawattanamatha N, Kitkhuandee A, Okada S. Lenalidomide suppresses VEGF-dependent angiogenesis and cholangiocarcinoma growth in an in vivo mouse model. ScienceAsia. 2024;50(6).
4. **Saisomboon S**, Kariya R, Mahalapbutr P, Insawang T, Sawanyawisuth K, Cha'on U, et al. Augmented Global Protein Acetylation Diminishes Cell Growth and Migration of Cholangiocarcinoma Cells. Int J Mol Sci. 2024;25(18).

5. Vaeteewoottacharn K, Waraasawapati S, Pothipan P, Kariya R, **Saisomboon S**, Bunthot S, et al. Facilitating cholangiocarcinoma inhibition by targeting CD47. *Exp Mol Pathol.* 2024;140:104935.
6. **Saisomboon S**, Kariya R, Boonnate P, Sawanyawisuth K, Cha'on U, Luvira V, et al. Diminishing acetyl-CoA carboxylase 1 attenuates CCA migration via AMPK-NF-kappaB-snail axis. *Biochim Biophys Acta Mol Basis Dis.* 2023;1869(5):166694.
7. Ngamkham J, Siritutsoontorn S, **Saisomboon S**, Vaeteewoottacharn K, Jitrapakdee S. CRISPR Cas9-mediated ablation of pyruvate carboxylase gene in colon cancer cell line HT-29 inhibits growth and migration, induces apoptosis and increases sensitivity to 5-fluorouracil and glutaminase inhibitor. *Front Oncol.* 2022;12:966089.
8. Dana P, Kariya R, Lert-Itthiporn W, Seubwai W, **Saisomboon S**, Wongkham C, et al. Homophilic Interaction of CD147 Promotes IL-6-Mediated Cholangiocarcinoma Invasion via the NF-kappaB-Dependent Pathway. *Int J Mol Sci.* 2021;22(24).
9. Yosudjai J, Inpad C, Pothipan P, **Saisomboon S**, Surangkul D, Phimsen S, et al. Overexpression of AGR2vH, an oncogenic AGR2 spliced transcript, potentiates tumorigenicity and proteomic alterations in cholangiocarcinoma cell. *Biosci Biotechnol Biochem.* 2021;85(11):2263-73.
10. Dana P, **Saisomboon S**, Kariya R, Okada S, Obchoei S, Sawanyawisuth K, et al. CD147 augmented monocarboxylate transporter-1/4 expression through modulation of the Akt-FoxO3-NF-kappaB pathway promotes cholangiocarcinoma migration and invasion. *Cell Oncol (Dordr).* 2020;43(2):211-22.
11. **Saisomboon S**, Kariya R, Vaeteewoottacharn K, Wongkham S, Sawanyawisuth K, Okada S. Antitumor effects of flavopiridol, a cyclin-dependent kinase inhibitor, on human cholangiocarcinoma in vitro and in an in vivo xenograft model. *Heliyon.* 2019;5(5):e01675.

Scholarship:

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| 2019-2023 | Ph.D. scholarship from international research network-cancer metabolism and drug discovery (IRN-CMD) |
| 2021-2022 | Japan student services organization (JASSO) scholarship, Kumamoto University, Kumamoto, Japan |
| 2021-2022 | Invitation scholarship (IN64221) from Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand |

- 2017-2018 Japan student services organization (JASSO) scholarship, Kumamoto University, Kumamoto, Japan
- 2016-2017 Invitation scholarship (IN60323) from Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
- 2015-2016 Cholangiocarcinoma research institute scholarship from Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand