

Ruedeemars Yubolphan, Ph.D.

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EDUCATION

Ph.D. (Pharmacology) Mahidol University, Bangkok, Thailand
 M.Sc. (Zoology) Chulalongkorn University, Bangkok, Thailand
 B.Sc. (Biology) Chulalongkorn University, Bangkok, Thailand

WORK EXPERIENCE

Year	Place	Position
9/2025 – present	Department of Pharmacology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand	Assistant Professor
8/2022 – 9/2025	Department of Pharmacology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand	Lecturer
5/2024 – 10/2024; 4/2025 – 6/2025	Institut de Neurosciences des Systèmes, Aix-Marseille University, Marseille, France	Visiting scholar
6/2021 – 7/2022	Protein and Proteomics Research Center for Commercial and Industrial Purposes (ProCCI), Khon Kaen University, Khon Kaen, Thailand	Postdoctoral fellow
2/2019 – 12/2019	Sanders-Brown Center on Aging, University of Kentucky, Kentucky, USA	Visiting scholar

EXPERTISE & RESEARCH INTEREST

Topic 1: *In vitro* and *in vivo* studies in ageing and neurodegenerative diseases

Related publications

- Yubolphan, R.**, Malaivijitnond, S., and Jaroenporn, S. (2025). Screening and evaluation of Thai herbal plants as multifunctional agents for targeting amyloid β pathogenesis in Alzheimer's disease. The Thai Journal of Pharmaceutical Sciences, Vol. 49: Iss. 3, Article 1.
- Yubolphan, R.**, Phongsiri, K., Mongkhammee, N., Pidech, J., Roytrakul, S., Suwattanasophon, C., Choowongkamon, K., Daduang, S., Khunkitti, W., & Jangpromma, N. (2025). Anti-Inflammatory Effects of Hen Egg White Hydrolysate and Its Specific Peptides IS8, PA11, and PK8 on LPS-Induced Macrophage Inflammation. Food science & nutrition, 13(8), e70713.
- Yubolphan, R.**, Kobroob, A., Kongkaew, A., Chiranthanut, N., Jinadang, N., & Wongmekiat, O. (2024). Berberine Mitigates Sepsis-Associated Acute Kidney Injury in Aged Rats by Preserving

- Mitochondrial Integrity and Inhibiting TLR4/NF- κ B and NLRP3 Inflammasome Activations. *Antioxidants* (Basel, Switzerland), 13(11), 1398.
4. **Yubolphan, R.**, Joompang, A., Roytrakul, S., Boonyarat, C., Choowongkomon, K., Daduang, S., Klaynongsruang, S., & Jangpromma, N. (2024). Molecular docking and proteomics approaches for the identification of neuroprotective effects of IL15.5 peptide against oxidative stress-induced apoptosis in SH-SY5Y neurons. *Journal of Functional Foods*, 119, 106354.
 5. Nehra, G., Promsan, S., **Yubolphan, R.**, Chumboatong, W., Vivithanaporn, P., Maloney, B. J., Lungkaphin, A., Bauer, B., & Hartz, A. M. S. (2024). Cognitive decline, A β pathology, and blood-brain barrier function in aged 5xFAD mice. *Fluids and barriers of the CNS*, 21(1), 29.
 6. **Yubolphan, R.**, Pratchayasakul, W., Koonrungsesomboon, N., Chattipakorn, N., & Chattipakorn, S. C. (2024). Potential links between platelets and amyloid- β in the pathogenesis of Alzheimer's disease: Evidence from *in vitro*, *in vivo*, and clinical studies. *Experimental neurology*, 374, 114683. <https://doi.org/10.1016/j.expneurol.2024.114683>
 7. **Yubolphan, R.**, Phuagkhaopong, S., Sangpairoj, K., Sibmooh, N., Power, C., & Vivithanaporn, P. (2021). Intracellular nickel accumulation induces apoptosis and cell cycle arrest in human astrocytic cells. *Metallomics : integrated biometal science*, 13(1), mfaa006.
 8. Kasemsuk, T., Phuagkhaopong, S., **Yubolphan, R.**, Rungreangplangkool, N., & Vivithanaporn, P. (2020). Cadmium induces CCL2 production in glioblastoma cells via activation of MAPK, PI3K, and PKC pathways. *Journal of immunotoxicology*, 17(1), 186–193.

Topic 2: Drug repurposing and drug delivery systems for cancer therapy

Related publications

1. Risangud, N., Jangpromma, N., Kunnaja, P., Chiranthanut, N., Daduang, S., Chansaenpak, K., & **Yubolphan, R.** (2025). Enhancing the therapeutic efficacy of piperine in colorectal cancer: development and evaluation of piperine-loaded PLGA-b-PEG copolymer nanoparticles. *European Journal of Pharmaceutics and Biopharmaceutics*, 214, 114796.
2. Kasemsuk, T., Kaeopu, R., **Yubolphan, R.**, Phuagkhaopong, S., & Vivithanaporn, P. (2019). Apoptotic and antiproliferative effects of amantadine and rimantadine in glioblastoma cells. *Thai Journal of Pharmaceutical Sciences*, 43(3), 119–124.

3. Suknuntha, K., **Yubolphan, R.**, Krueaprasertkul, K., Srihirun, S., Sibmooh, N., & Vivithanaporn, P. (2018). Leukotriene receptor antagonists inhibit mitogenic activity in triple negative breast cancer cells. *Asian Pacific Journal of Cancer Prevention*, 19(3), 833–837.

SCHOLARSHIP

- (1) Research Fellowship from Agence Nationale de la Recherche (ANR) at Institut de Neurosciences des Systèmes, Aix-Marseille University, Marseille, France (April 1–May 31, 2025).
- (2) Franco-Thai Young Talent Research Fellowship at Institut de Neurosciences des Systèmes, Aix-Marseille University, Marseille, France (April 15–October 15, 2024).
- (3) M.Sc. and Ph.D. Scholarships in the Human Resource Development in Science Project (Science Achievement Scholarship of Thailand, SAST), Thailand (2012–2020).
- (4) Scholarship for Short-Term Study at Sanders-Brown Center on Aging, University of Kentucky, USA (February 15–December 14, 2019).
- (5) Teaching Assistant Fellowship in General Biology Laboratory and Ethology Courses, Graduate School, Chulalongkorn University, Thailand (Academic Year 2014).
- (6) IBRO-APRC Scholarship for the 2nd Advanced School of Neuroscience, Monash University, Malaysia (September 3–October 3, 2014), supported by the Asia Pacific Regional Committee of the International Brain Research Organization (IBRO).
- (7) Short-Term Study Scholarship in Japan from the Japan Student Services Organization (JASSO), Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan (October 10–November 10, 2012).

AWARDS

- (1) Finalist, Merck Young Scientist Award 2023, Stang Mongkolsuk Conference Room, Faculty of Science, Mahidol University, Bangkok, Thailand (August 23, 2023).
- (2) Best Oral Presentation Award, 28th Annual Medical Sciences Conference 2020, IMPACT Forum, Nonthaburi, Thailand (August 26–28, 2020).
- (3) Congress Bursary and Young Pharmacologist Mixer Award, 18th World Congress of Basic and Clinical Pharmacology (WCP2018), Kyoto International Conference Center, Kyoto, Japan (July 1–6, 2018).
- (4) Young Scientist Award, 8th Congress of the Federation of the Asian and Oceanian Physiological Societies (FAOPS), Centara Grand and Bangkok Convention Centre, Bangkok, Thailand (November 22–25, 2015).
- (5) Best Poster Presentation Award, 2nd TACUS & Laboratory Animal Trade Exhibition, Chulabhorn Research Institute, Bangkok, Thailand (July 29–31, 2012).