ผู้ช่วยศาสตราจารย์ ดร. เอกชัย พรหมเพชร

คุณวุฒิ

วท.ด. (ชีวเวชศาสตร์), จุฬาฯ, พ.ศ. 2557
วท.บ. (เทคนิคการแพทย์), จุฬาฯ, พ.ศ. 2549

ผลงานทางวิชาการ
งานวิจัย

ก. บทความวิจัยในวารสาร

1. **Prompetchara, Eakachai**; Ketloy, Chutitorn; Alameh, Mohamad-Gabriel; (...); Hunsawong, Taweewan. "Immunogenicity and protective efficacy of SARS-CoV-2 mRNA vaccine encoding secreted non-stabilized spike in female mice." *Nature Communications* 14, 1 (**December 2023**): Article number 2309. **SCOPUS**

2. Rungsa, Prapenpuksiri; San, Htoo Tint; Sritularak, Boonchoo; Böttcher, Chotima; **Prompetchara, Eakachai**; Chaotham, Chatchai; Likhitwitayawuid, Kittisak. "Inhibitory Effect of Isopanduratin A on Adipogenesis: A Study of Possible Mechanisms." *Foods* 12, 5 (**March 2023**): Article number 1014. **SCOPUS**

3. Hanittinan, Oranicha; Rattanapisit, Kaewta; Malla, Ashwini; Tharakhet, Kittipan; Ketloy, Chutitorn; **Prompetchara, Eakachai**; Phoolcharoen, Waranyoo. "Feasibility of plant-expression system for production of recombinant anti-human IgE: An alternative production platform for therapeutic monoclonal antibodies." *Frontiers in Plant Science* 13, (**2 December 2022**): Article number 1012583. **SCOPUS**

4. Gatechompol, Sivaporn; Kittanamongkolchai, Wonngarm; Ketloy, Chutitorn; **Prompetchara, Eakchai**; (...); Kerr, Stephen. "Safety and immunogenicity of a prefusion non-stabilized spike protein mRNA COVID-19 vaccine: a phase I trial." *Nature Microbiology* 7, 12 (**December 2022**): 1987-1995. **SCOPUS**

5. Panapitakkul, Chalisa; Khorattanakulchai, Narach; Rattanapisit, Kaewta; Srisangsung, Theerakarn; Shanmugaraj, Balamurugan; Buranapraditkun, Supranee; Ketloy, Chutitorn; **Prompetchara, Eakachai**; Phoolcharoen, Waranyoo. "Plant-Produced S1 Subunit Protein of SARS-CoV-2 Elicits Immunogenic Responses in Mice." *Vaccines* 10, 11 (**November 2022**): Article number 1961. **SCOPUS**

6. Sittplangkoon, Chutamath; Alameh, Mohamad-Gabriel; Weissman, Drew; Lin, Paulo J. C.; Tam, Ying K.; **Prompetchara, Eakachai**; Palaga, Tanapat. "mRNA vaccine with unmodified uridine induces robust type I interferon-dependent anti-tumor immunity in a melanoma model." *Frontiers in Immunology* 13, (**14 October 2022**): Article number 983000. **SCOPUS**

7. San, Htoo Tint; Khine, Hnin Ei Ei; Sritularak, Boonchoo; **Prompetchara, Eakachai**; Chaotham, Chatchai; Che, Chun-Tao; Likhitwitayawuid, Kittisak. "Pinostrobin: An Adipogenic Suppressor from Fingerroot (Boesenbergia rotunda) and Its Possible Mechanisms." *Foods* 11, 19 (**October 2022**): Article number 3024. **SCOPUS**

8. **Prompetchara, Eakachai**; Nowaratsopon, Sunudda; Wongkamchai, Suppakorn; Srieakpanit, Jittra; Ketloy, Chutitorn. "Erythrocyte sedimentation rate measurements using MIX-RATE® X20 and VISION A automated analyzers: Method validation and comparison study." *International Journal of Laboratory Hematology* 44, 5 (**October 2022**): 846-853. **SCOPUS**

9. Peletta, Allegra; **Prompetchara, Eakachai**; Tharakhet, Kittipan; (...); Ruxrungtham, Kiat. "Translating a Thin-Film Rehydration Method to Microfluidics for the Preparation of a SARS-CoV-2 DNA Vaccine: When Manufacturing Method Matters." *Pharmaceutics* 14, 7 (**July 2022**): Article number 1427. **SCOPUS**

10. Khine, Hnin Ei Ei; Sungthong, Rungroch; Sritularak, Boonchoo; **Prompetchara, Eakachai**; Chaotham, Chatchai. "Untapped Pharmaceutical Potential of 4,5,4′-Trihydroxy-3,3′-dimethoxybibenzyl for Regulating Obesity: A Cell-Based Study with a Focus on Terminal Differentiation in Adipogenesis." *Journal of Natural Products* 85, 6 (**24 June 2022**): 1591-1602. **SCOPUS**

11. Sumkhemthong, S.; **Prompetchara, E.**; Chanvorachote, P.; Chaotham, C. "Cisplatin-induced hydroxyl radicals mediate pro-survival autophagy in human lung cancer H460 cells." *Biological Research* 54, 1 (**December 2021**): Article number 22. **SCOPUS**

12. Khine, H.E.E.; Ecoy, G.A.U.; Roytrakul, S.; (...); Prompetchara E.; Chanvorachote, P.; Chaotham, C. "Chemosensitizing activity of peptide from Lentinus squarrosulus (Mont.) on cisplatin-induced apoptosis in human lung cancer cells." *Scientific Reports* 11, 1 (**December 2021**): Article number 4060. **SCOPUS**

13. Peletta, A.; **Prompetchara, E.**; Tharakhet, K.; (...); Ketloy, C.; Borchard, G. "Dna vaccine administered by cationic lipoplexes or by in vivo electroporation induces comparable antibody responses against sars-cov-2 in mice." *Vaccines* 9, 8 (**August 2021**): Article number 874. **SCOPUS**

14. Siriwattananon, K.; Manopwisedjaroen, S.; Shanmugaraj, B.; **Prompetchara E.**; (...); Thitithanyanont, A.; Phoolcharoen, W. "Immunogenicity studies of plant-produced sars-cov-2 receptor binding domain-based subunit vaccine candidate with different adjuvant formulations." *Vaccines* 9, 7 (**July 2021**): Article number 744. **SCOPUS**

15. Siriwattananon, K.; Manopwisedjaroen, S.; Shanmugaraj, B.; (...); **Prompetchara E.**; Thitithanyanont, A.; Phoolcharoen, W. "Plant-Produced Receptor-Binding Domain of SARS-CoV-2 Elicits Potent Neutralizing Responses in Mice and Non-human Primates." *Frontiers in Plant Science* 12 (**13 May 2021**): Article number 682953. **SCOPUS**

16. Sumkhemthong, S.; Chamni, S.; Ecoy, G.U.; (...); **Prompetchara E.**; Chanvorachote, P.; Chaotham, C. "Jorunnamycin a suppresses stem-like phenotypes and sensitizes cisplatin-induced apoptosis in cancer stem-like cell-enriched spheroids of human lung cancer cells." *Marine Drugs* 19, 5 (**May 2021**): Article number 261. **SCOPUS**

17. **Prompetchara, E.**; Ketloy, C.; Tharakhet, K.; (...); Palaga, T.; Ruxrungtham, K. "DNA vaccine candidate encoding SARS-CoV-2 spike proteins elicited potent humoral and Th1 cell-mediated immune responses in mice." *PLoS ONE* 16, 3 (**March 2021**): Article number e0248007. **SCOPUS**

18. Taweecheep, P.; Khine, H.E.E.; Hlosrichok, A.; (...); **Prompetchara E.**; Chanvorachote, P.; Chaotham, C. "Stemness-Suppressive Effect of Bibenzyl from Dendrobium ellipsophyllum in Human Lung Cancer Stem-Like Cells." *Evidence-based Complementary and Alternative Medicine 2021* (**2021**): Article number 5516655. **SCOPUS**

19. **Prompetchara, E.**; Ketloy, C.; Palaga, T. "Immune responses in COVID-19 and potential vaccines: Lessons learned from SARS and MERS epidemic." *Asian Pacific Journal of Allergy and Immunology* 38, 1 (**March 2020**):1-9. **SCOPUS**

20. Arunmanee, W.; Ecoy, G.A.U.; Khine, H.E.E.; Duangkaew, M.; **Prompetchara, E.**; Chanvorachote, P.; Chaotham, C. "Colicin N mediates apoptosis and suppresses integrin-modulated survival in human lung cancer cells." *Molecules* 25, 4 (**13 February 2020**): Article number 816. **SCOPUS**

21. **Prompetchara, E.**, Ketloy, C., Thomas, S.J., Ruxrungtham, K. "Dengue vaccine: Global development update" *Asian Pacific Journal of Allergy and Immunology* 38, 3 (**2020**): 178 – 185. **SCOPUS**

22. Kowitdamrong E.; Puthanakit T.; Jantarabenjakul W.; **Prompetchara E.**; Suchartlikitwong P.; Putcharoen O.; Hirankarn N. "Antibody responses to SARS-CoV-2 in patients with differing severities of coronavirus disease 2019." *PLoS ONE* 15, 10 (**October 2020**): Article number e0240502. **SCOPUS**

ข. รายงานการประชุมฉบับสมบูรณ์ (ที่มี peer review)

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ค. รายงานการวิจัยฉบับสมบูรณ์ (ที่มี peer review)

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ง. บทความวิจัยใน Monograph, Book Series

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