

CURRICULUM VITAE



Name Ahmad Akira
Position Senior Lecturer
Department Biomedical Sciences
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Education

1. Bachelor of Biomedical Sciences, Universiti Putra Malaysia – 2003.
2. Master of Science (Pharmacology), Universiti Putra Malaysia – 2005.
3. Doctor of Philosophy (Pharmaceutical Sciences), University Toyama, Japan – 2010.

Areas of Interest

My research primarily focuses on understanding the sensory mechanisms of nociception (pain) and pruriception (itch) through the use of animal models. I explore the molecular pathways involved in these processes to identify potential therapeutic targets. Additionally, I am deeply involved in drug discovery from natural products, seeking bioactive compounds that can modulate these sensory pathways and lead to the development of new, effective treatments for chronic pain and itch conditions.

Key research interest:

1. Nociception
2. Pruriception
3. Drug discovery : Natural Products
4. Animal models of Pain
5. Animal models of Itch

Professional Qualification/ Membership/ Affiliation

1. International Inflammation Research Association.
2. Malaysian Society of Neurosciences.
3. Persatuan Graduan Bioperubatan Kuala Lumpur & Selangor.

Publications

Journals (in 5 years)

1. Fauzi, I., **Farouk, A.A.O.**, Perimal, E.K. 2022. Antipruritic properties of topical *Channa striatus* extract on stratum corneum disruption-itch mice model. *Neuroscience Research Notes*, 5(3), 145.



2. Chia, J.S.M., **Farouk, A.A.O.**, Mohamad, T.A.S.T., Hassan, N.I., Perimal, E.K. 2021. Zerumbone ameliorates neuropathic pain symptoms via cannabinoid and ppar receptors using in vivo and in silico models. *Molecules*. 26(13), 3849.

3. Chia, J.S.M., Izham, N.A.M., **Farouk, A.A.O.**, Hutchinson, M.R., Perimal, E.K. 2020. Zerumbone Modulates α 2A-Adrenergic, TRPV1, and NMDA NR2B Receptors Plasticity in CCI-Induced Neuropathic Pain In Vivo and LPS-Induced SH-SY5Y Neuroblastoma In Vitro Models. *Frontiers in Pharmacology*, 11, 92.

Conference Proceedings (in 5 years)

1. Akira, A., Omar Farouk, F.N., Waheed, M. Proposed Comparative Study on Intercultural Communication Competency of Foreign Healthcare Workers in Malaysia and Japan. 2024. Tokyo. "The Malaysia-Japan Visionaries Conference 2024 – Integration and Innovation across Diverse Disciplines"

Books (If any)

Chapter in Books (If any)