Apisate Pleumsamran
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Chiang Mai 50290, Thailand

Education

1984–1990	M.D., Chiang Mai University, Chiang Mai, Thailand
1992–1997	Ph.D. (Physiology and Biophysics), Finch University of Health Sciences/ The Chicago Medical School, North Chicago, Illinois, USA

Honors and Awards

1991–1996	The Royal Thai Government Scholarship, Thailand

Professional License

1990–present	M.D. (Thailand)

Professional Appointments

1990–2001	Instructor of Physiology Department of Physiology, Chiang Mai University, Chiang Mai, Thailand
2002–present	Assistant Professor of Physiology Department of Physiology, Chiang Mai University, Chiang Mai, Thailand
2009–2013	Chair Department of Physiology, Chiang Mai University, Chiang Mai, Thailand

Memberships

1990–present	The Medical Council of Thailand
1998–present	The Physiological Society of Thailand
2003–present	Thai Association of Conference Interpreters (founding member)

Academic Appointments

2001–2014	Quality Assurance Auditor, Faculty of Medicine, Chiang Mai University, Thailand
2003–2014	Medical Curriculum Advisory Committee, Faculty of Medicine, Chiang Mai University, Thailand
2006–2018	Secretary to the Administrative Committee, The Northern Neuroscience Center, Faculty of Medicine, Chiang Mai University, Thailand
2007–present	Chair to the Administrative Committee, Ph.D. Graduate Program in Physiology, Chiang Mai University, Thailand

2008–2018	Selection Committee, Prince Mahidol Award Youth Program.
2010–2014	Intra–organizational assessor, Chiang Mai University, Thailand
2016–2018	Vice president to the Selection Committee, Prince Mahidol Award Youth Program
2018–present	Vice-chair to the Administrative Committee, The Northern Neuroscience Center, Faculty of Medicine, Chiang Mai University, Thailand

Research Interest

- Migraine headache
- Depression
- Autonomic dysfunction

Abstracts and Proceedings

1. J. Pleumsamran, A. Pleumsamran, S.M. le Grand, S. Chankrachang, M. Tokuda, Effect of Botulinum Toxin Type A on the Activation of Trigeminovascular Nociceptive System, Proceedings of the 95th Annual Meeting of the Physiological Society of Japan, The Journal of Physiological Sciences, 2018. 68, supplement 1.
2. Ruanpang, J., S. Mingmalairak , J. Pleumsamran, and A. Pleumsamran, Effect of Rosuvastatin on the Development of Depression-Like Behaviors in Rats Fed with High-Fat Diet, Proceedings of the 6th International Graduate Research Conference 2017, Chiang Mai University, Thailand, 2017
3. Ronran, H., A. Pleumsamran, S. M. Le Grand, S. Mingmalairak, and J. Pleumsamran, Effect of Alpha Lipoic Acid on Hyperemia Induced by Cortical Spreading Depression. Proceedings of the 2nd International Graduate Research Conference 2013, Chiang Mai University, Thailand, 2013
4. Petchchauy, P., A. Pleumsamran, and P. Tangchaisin, Cryopreservation of Mature Mouse Oocytes by Closed–System Solid Surface Vitrification Compare With Programmable Slow Freezing. Abstract book to the 37th Annual Meeting of the Physiological Society of Thailand, 2008.
5. Punyodom, W., R. Molloy, K. Nalampang, J. Siripitayananon, B. Waraegsiri, K. Sananpanich, A. Pleumsamran, and T. Amornsakchai, Biodegradable Polyesters for Use as Absorbable Nerve Guides: Synthesis, Fabrication, In Vitro Biodegradation and Cytotoxicity Study. Abstract Book to the Fourth Thailand Materials Science and Technology Conference, 2006. B06
6. Punyodom,W., R. Molloy, K. Nalampang, C. Kamcharoen, K. Sananpanich and A. Pleumsamran, Novel Biodegradable Polyesters for Use as Absorbable Nerve Guides. Abstract Book to the International Conference on Smart Materials, 2004. 1: p. 74–5
7. Pleumsamran, A., Cellular electrophysiology and channelopathy of neurons. Proceedings to the 1st International Neurologic and Cardiac Electrophysiology Symposium, 2004. 1: p.44–5. (ISBN 974–658–206–2)
8. Pleumsamran, A., Regulation of the atrial muscarinic potassium channel by G–protein and adenosine–5'–triphosphate. Abstract book to the 27th Annual Meeting of the Physiological Society of Thailand, 1998.

Publications

1. P. Saenubol P, A. Akatvipat, A. Pleumsamran, S. Chankrachang, Correlation between Bispectral Index Value and Modified Glasgow Coma Scale Score in Dogs with Altered Level of Consciousness, J Vet Emerg Crit Care, 2021. 31:52-58

2. J. Pleumsamran, A. Pleumsamran, S.M. le Grand, S. Chankrachang, F. Yamaguchi, K. Kamitori, A. Hossian, C. Noguchi, L. Sui, A. Katagi, Y. Dong, and M. Tokuda, The Role of Calcitonin Gene-Related Peptide in Migraine Prevention by Botulinum Toxin Type A, Neurology Asia, 2018. 23, 1.
3. J. Ruanpang, A. Pleumsamran, J. Pleumsamran, and S. Mingmalairak, Effect of a High-Fat Diet and Cholesterol Levels on Depression-like Behavior in Mice, Chiang Mai University Journal of Natural Sciences, 2018. 17, 2.
4. J. Pleumsamran, H. Ronran, S.M. le Grand, S. Mingmalairak and A. Pleumsamran, Effect of Alpha Lipoic Acid on Hyperemia and Trigeminovascular Nociceptive Activity Induced by Cortical Spreading Depression, Chiang Mai Med. J., 2015. 54, 4.
5. W. Punyodom, R. Molloy, K. Nalampang, C. Kamcharoen, B. Waraegsiri, K. Sananpanich and A. Pleumsamran, Novel Biodegradable Polyesters for Use as Absorbable Nerve Guides, Chiang Mai J. Sci., 2005. 32, 3.
6. Kim, D. and A. Pleumsamran, Cytoplasmic unsaturated free fatty acids inhibit ATP-dependent gating of the G protein–gated K^+ channel. Journal of General Physiology, 2000. 115: p. 287–304.
7. Pleumsamran, A., M.L. Wolak, and D. Kim, Inhibition of ATP–induced increase in muscarinic K^+ current by trypsin, alkaline pH and anions. American Journal of Physiology, 1998. 275: p. H751–759.
8. Hong, S.–G., A. Pleumsamran, and D. Kim, Regulation of the atrial muscarinic K^+ channel activity by a cytosolic protein via G protein–independent pathway. American Journal of Physiology, 1996. 270: p. H526–537.
9. Pleumsamran, A. and D. Kim, Membrane stretch augments the cardiac muscarinic K^+ channel activity. Journal of Membrane Biology, 1995. 148: p. 287–297.
10. Fu, C., et al., Different properties of the atrial G protein–gated K^+ channel activated by extracellular ATP and Adenosine. American Journal of Physiology, 1995. 269: p. H1349–1358.

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