CURRICULUM VITAE

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Education	2019-2024, Ph.D (Physiology), Chiang Mai University, Chiang Mai, Thailand.
	2016-2018, M.S. (Physiology), Chiang Mai University, Chiang Mai, Thailand.
	2012-2015, B.S. (Physical Therapy), Chiang Mai University, Chiang Mai, Thailand.
Positions	2025-Present, Committee of graduate course (Physical Therapy), Faculty of Associated Medical Sciences, Chiang Mai University, Thailand
	11/2024-Present, Lecturer of Department of Physical Therapy, Chiang Mai, Thailand.

Training 04/2022-10/2022, Department of Physiology and Cell Biology, College of Medicine, University of South Alabama, Mobile, Alabama, USA.

Funding 11/2025-present, PI, Project of personalized physical and breathing exercise via telerehabilitation to promote physical and psychological well-being in individuals with chronic paraplegia: development and feasibility study, faculty of Associated Medical Sciences Research Grant.

2024-Present, Co-investigator, Project of the effects of combined physical-cognitive exergaming via telerehabilitation on physical and cognitive performance in chronic stroke survivors: a randomized controlled trial, The National Research Council of Thailand (NRCT): N42A680192.

Scholarship 2019-2024, The Royal Golden Jubilee Ph.D. program (No. NRCT5-RGJ63004-076).

2016-2017, Faculty of Medicine Scholarship, Faculty of Medicine, Chiang Mai University, Thailand.

2016-2017, TA/RA Scholarship, Graduated school of Chiang Mai University, Thailand.

International publications

1. Keawtep P, Boripuntakul S, Sa-Nguanmoo P, **Jearjaroen P**, Sittichoke C, Kamnardsiri T, Sinthamrongruk T, Sungkarat S. Effects of Web-Based Physical–Cognitive Telerehabilitation Exergaming on Physical and Cognitive Performance in Chronic Stroke Survivors: Protocol for a Randomized Controlled Trial. J Clin Med. 2026;13;15(8):2945.
2. Sengking J, Thangwong P, **Jearjaroen P**, Yawoot N, Wangtueai S, Tocharus J and Tocharus C. Effects of Gelatin Hydrolysate from Bigeye Snapper

(Priacanthus tayenus) Skin in Mitigating Oxidative Stress in Chronic Cerebral Hypoperfusion Rats. Int J Mol Sci. 2026 Jan; 27(6), 2856.

3. Thangwong P, Sengking J, Promyoo N, Saephu M, **Jearjaroen P**, Khamchai S, Punsawad C, Tocharus J and Tocharus C. Piracetam attenuates oxidative stress and inflammation-induced neuronal cell death in rats with vascular dementia potentially via the activation of the AMPK/SIRT-1/Nrf-2 signaling pathway. Metabolic Brain Disease. 2025 Nov; 40:316.
4. Sengking J, Thangwong P, **Jearjaroen P**, Panthiya L, Buamard N, Benjakul S, Tocharus J, Tocharus C. Neuroprotective Effects of Shrimp Oil Against Oxidative Stress in Chronic Cerebral Hypoperfusion Rats. Molecular Nutritional food research, 2025 May; e70079.
5. **Jearjaroen P**, Thangwong P, Tocharus C, Chaichompoo W, Suksamrarn A, Tocharus J. Hexahydrocurcumin attenuated demyelination and improved cognitive impairment in chronic cerebral hypoperfusion rats. Inflammopharmacology, 2023 Dec;1-14.
6. **Jearjaroen P**, Thangwong P, Tocharus C, Lungkaphin A, Chaichompoo W, Srijun J, Suksamrarn A, Tocharus J. Hexahydrocurcumin Attenuates Neuronal Injury and Modulates Synaptic Plasticity in Chronic Cerebral Hypoperfusion in Rats. Molecular Neurobiology. 2023 Dec;1-14.
7. Thangwong P, **Jearjaroen P**, Tocharus C, Govitrapong P, Tocharus J. Melatonin suppresses inflammation and blood–brain barrier disruption in rats with vascular dementia possibly by activating the SIRT1/PGC-1α/PPARγ signaling pathway. Inflammopharmacology, 2023 Apr; PMID: 37017851.
8. Thangwong P, **Jearjaroen P**, Govitrapong P, Tocharus C, Tocharus J. Melatonin improves cognitive function by suppressing endoplasmic reticulum stress and promoting synaptic plasticity during chronic cerebral hypoperfusion in rats. Biochemical Pharmacology. 2022 Apr;198:114980.
9. **Jearjaroen P**, Pakdeepak K, Tocharus C, Chaichompoo W, Suksamrarn A, Tocharus J. Inhibitory effect of hexahydrocurcumin on memory impairment and amyloidogenesis in dexamethasone-treated mice. Neurotoxicity Research. 2021 Aug;266-276.

10. Pakdeepak K, Chokchaisiri R, **Jearjaroen P**, Tocharus C, Suksamrarn A, Tocharus J. 5,6,7,4'-Tetramethoxyflavanone protects against neuronal degeneration induced by dexamethasone by attenuating amyloidogenesis in mice. Excli Journal. 2020 Jan;19:16-32.

Proceeding

1. **Jearjaroen P**, Pakdeepak K, Tocharus C, Suksamrarn A, Tocharus J. Hexahydrocurcumin modulates amyloid-β precursor protein processing in stress-induced cognitive impairment in mice, Proceeding/Oral. First International Conference on Innovation of Functional foods in Asia (IFFA), University of Phayao, Thailand.

Peer Revied Abstracts

1. **Jearjaroen P**, Tocharus C, Suksamrarn A, Tocharus J, Hexahydrocurcumin improves cognitive impairment in rats with chronic cerebral hypoperfusion via alleviate oxidative stress signaling pathway. Abstract/Poster. International symposium on lipids and food ingredients for health promotion, Tohoku University, Japan.
2. **Jearjaroen P**, Tocharus C, Suksamrarn A, Tocharus J, Hexahydrocurcumin improves cognitive impairment in rats with chronic cerebral hypoperfusion. Abstract/Poster. The 25th Thai Neuroscience Society Conference, Bangkok, Thailand.
3. **Jearjaroen P**, Tocharus C, Suksamrarn A, Tocharus J, Hexahydrocurcumin protects myelin damage in Alzheimer's disease-like pathology in bilateral common carotid artery occlusion. Alzheimer's Association International Conference (AAIC), San Diego, California, USA.