

CURRICULUM VITAE

PERSONAL DATA

Name: Ching Tien Lee, PhD.
 Current Position: Assistant Professor
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EDUCATION

Duration	Institution & Location	Degree	Major Subject
2001-2006	National Defense Medical Center, Institute of Life Science, Taipei, Taiwan, Republic of China.	Ph.D.	Neuroscience Neurophysiology
1999-2001	National Defense Medical Center, Institute of Physiology, Taipei, Taiwan, Republic of China.	MS	Neuroscience Neurophysiology

TEACHING EXPERIENCE

Duration	Institution & Location
2022-2024	Hsin Sheng College of Medical Care and Management, Tao-Yuan County, Taiwan, Republic of China. Department of Medical and Healthcare Business Assistant Professor
2008-2022	Hsin Sheng College of Medical Care and Management, Tao-Yuan County, Taiwan, Republic of China. Department of Nursing, Assistant Professor
2006-2008	Academic Sinica, Nang-Gang, Taipei, Taiwan Institute of Biomedical Science (IBMS) Post Doctoral Fellow

SPECIALTIES & RESEARCH INTERESTS

1. Physiology
2. Anatomy
3. Neurophysiology
4. Reproductive physiology

PUBLICATIONS

Journals

1. **Ching-Tien Lee*** and Jiz-Yuh Wang (2024, March). Interactive audio human organ model combined with team-based learning improves the motivation and performance of nursing students in learning anatomy and physiology. *Anatomical Sciences Education*, 17 (2), 307-318. DOI: 10.1002/ase.2350 (Impact Factor: 7.3; SCI, 2/43, education, scientific disciplines).
2. **Ching-Tien Lee**, Kun-Der Lin, Cheng-Fang Hsieh and Jiz-Yuh Wang (2024, Jan). SGLT2 Inhibitor Canagliflozin Alleviates High Glucose-Induced Inflammatory Toxicity in BV-2 Microglia. *biomedicines*, 12(36) (Impact Factor: 4.7).
3. **Ching-Tien Lee**, Cheng-Fang Hsieh, and Jiz-Yuh Wang (2021, Oct). Bisphenol A induces autophagy defects and AIF-dependent apoptosis via HO-1 and AMPK to degenerate N2a neurons. *International Journal of Molecular Sciences*, 22 (10948), 1-23. (Impact Factor: 5.6; SCI, 66/285, biochemistry and molecular biology).
4. Cheng-Fang Hsieh, Ching-Kuan Liu, **Ching-Tien Lee**, Liang-En Yu and Jiz-Yuh Wang (2019, Jan). Acute glucose fluctuation impacts microglial activity, leading to inflammatory activation or self-degradation. *Scientific Reports*, 9:840. (Impact Factor: 4.6; SCI, 22/73, multidisciplinary sciences).
5. **Ching-Tien Lee**, Jiz-Yuh Wang, Kuang-Yi Chou and Ming-I Hsu (2019, Jan). 1,25-Dihydroxyvitamin D₃ modulates the effects of sublethal BPA on mitochondrial function via activating PI3K-Akt pathway and 17 β -estradiol secretion in rat granulosa cells. *Journal of Steroid Biochemistry and Molecular Biology*, 185, 200-211. (Impact Factor: 4.1; SCI, 56/145, endocrinology and metabolism). MOST 104-2320-B-570-002.
6. Jiz-Yuh Wang, Chiou-Lian Lai, **Ching-Tien Lee** and Chen-Yen Lin (2017, Aug). Electronegative Low-Density Lipoprotein L5 Impairs Viability and NGF-Induced Neuronal Differentiation of PC12 Cells via LOX-1. *International Journal of Molecular Sciences*, 18 (1744): 1-20. (Impact Factor: 5.6; SCI, 66/285, BIOCHEMISTRY & MOLECULAR BIOLOGY).
7. Liang-E. Yu, Chiou-L. Lai, **Ching-T. Lee** and Jiz-Y. Wang (2017, Apr). Highly electronegative low-density lipoprotein L₅ evokes microglial activation and creates a neuroinflammatory stress via Toll-like receptor 4 signaling. *Journal of Neurochemistry*. (Impact Factor: 4.7; SCI, 85/272, NEUROSCIENCES).
8. **Ching T. Lee**, Liang E. Yu, Jiz Y. Wang (2016, Feb). Nitroxide antioxidant as a potential strategy to attenuate the oxidative/nitrosative stress induced by hydrogen peroxide plus nitric oxide in cultured neurons. *Nitric Oxide: Biology and Chemistry*, 54:38-50. (Impact Factor: 3.9; SCI, 126/285, BIOCHEMISTRY & MOLECULAR BIOLOGY).

9. Jiz Y. Wang, **Ching T. Lee**, Jia Y. Wang (2014, Oct). Nitric oxide plays a dual role in the oxidative injury of cultured rat microglia but not astroglia. *Neuroscience*, 281:164-177. (Impact Factor: 3.3; SCI, 144/272, NEUROSCIENCES).
10. **Ching T. Lee**, Jiz Y. Wang, Kuang-Y. Chou and Ming I Hsu (2014, Sep). 1,25-dihydroxyvitamin D₃ increases testosterone-induced 17beta-estradiol secretion and reverses testosterone-reduced connexin 43 in rat granulosa cells. *Reproductive Biology and Endocrinology*, 12:90. (Impact Factor: 4.4; SCI, 45/145, ENDOCRINOLOGY & METABOLISM). NSTC 102-2629-B-038-001.
11. Ya N. Huang, Jiz Y. Wang, **Ching T. Lee**, Chih H. Lin, Chien C. Lai, Jia Y. Wang (2012, Sep). L-ascorbate attenuates methamphetamine neurotoxicity through enhancing the induction of endogenous heme oxygenase-1. *Toxicology and Applied Pharmacology*, 1, 265(2):241-52. (Impact Factor: 3.8; SCI, 29/94, TOXICOLOGY).
12. Ching Y. Lee, **Ching T. Lee**, C. H. Wu, C. S. Hsu, and Ming I. Hsu (2012). Kruger strict morphology and post-thaw progressive motility in cryopreserved human spermatozoa. *Andrologia*, 44, 81-86. (Impact Factor: 2.4; SCI, 4/8, andrology). Taipei Medical University_Wan Fang Hospital Grant : 96WF-eva-13.
13. **Ching T. Lee**, Yun L. Ma and Eminy H. Y. Lee (2007, Mar). Serum- and glucocorticoid-inducible kinase1 enhances contextual fear memory formation through down-regulation of the expression of Hes5. *Journal of Neurochemistry*, 100, 1531-1542. (Impact Factor: 4.7; SCI, 85/272, NEUROSCIENCES).
14. **Ching T. Lee**, Shiao W. Tyan, Yun L. Ma, Ming C. Tsai, Ying C. Yang, Eminy H. Y. Lee (2006, Sep). Serum- and glucocorticoid-inducible kinase (SGK) is a target of the MAPK/ERK signaling pathway that mediates memory formation in rats. *European Journal of Neurology*, 23, 1311-1320. (Impact Factor: 5.1; SCI, 44/212, CLINICAL NEUROLOGY).

Conference

1. **Ching-Tien Lee**, Yu-Zhen Huang and Jiz-Yuh Wang (2023, Mar). Sublethal bisphenol A disturbs microglial neuroimmune activity by activating ROS/ Nrf2-Keap1/HO-1 axis. The 37th Joint Annual Conference of Biomedical Science.
2. **Ching T. Lee**, Jiz Y Wang, Ming I Hsu (2017, Mar). 1,25D₃ Improves BPA-induced Mitochondrial Dysfunction via Increasing the Levels of Protein Related to Mitochondrial Biogenesis in Rat Ovarian Granulosa Cells. The 32th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan.
3. **Ching T. Lee**, Jiz Y. Wang, Ming I. Hsu. (2013, Jul). The Effect of 1,25D₃ on Testosterone-Induced Aromatase Expression and Action. Society for the Study of Reproduction Annual Meeting, Montréal, QC, Canada. NSTC 102-2629-B-038-001.
4. Jiz Y. Wang, **Ching T. Lee**, Ya N. Huang, Jia Y. Wang. (2013, Mar). The intervention of Nitric Oxide in Oxidative Toxicity: Re-injure or Rescue Neuroglia. The 28th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan.
5. Jiz Y. Wang, **Ching T. Lee**, Ya N. Huang, Jia Y. Wang. (2012, Nov). Oxidative toxicity in rat mixed Glia: Dual effects of Nitric Oxide on Apoptosis occurred in microglia. Neuroscience Society of Taiwan Meeting, Taiwan.
6. **Ching T. Lee**, Yun L. Ma and Eminy H. Y. Lee. (2006). SGK enhances fear memory

formation through down –regulation of the expression of Hes5. The 11th Society of Chinese Bioscientist in America Meeting. San Francisco, California.

7. **Ching T. Lee**, Shiaw W. Tyan, Ying C. Yang, Ming C. Tsai and Eminy H. Y. Lee. (2004, Nov). Serum and glucocorticoid-inducible kinase (SGK) is a target of MAPK associated with memory formation in rats. The 34th Society for Neuroscience Annual Meeting, San Diego, California, USA.
8. **Ching T. Lee**, San N. Yang. (2001). Modulation of calmodulin kinase II on the transcription factor (CREBserine-133) phosphorylation and the NMDA receptor-mediated synaptic plasticity following dopamine D₁/D₅ receptor activation in the hippocampus: an tentative model to improve the ability of learning and memory in the mammalian brain. The 16th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan.