

CURRICULUM VITAE

PERSONAL DATA

Name: Kuang-Yi Chou, Ph. D.
 Current Position: Associate Professor
 Working Address: 365, Mingde Rd., Beitou District, Taipei City 11219
 Phone (Office): 886-2-2822-7101 Ext. 3526
 E-mail Address: kuangyi@ntunhs.edu.tw

EDUCATION

Duration	Institution & Location	Degree	Major Subject
1991-1994	Department of Anatomy and Cell Biology, Medical School, University of Cape Town Cape Town, South Africa	Ph.D.	Anatomy and Cell Biology
1990-1991	Department of Anatomy and Cell Biology, Medical School, University of Cape Town Cape Town, South Africa	MSc. (Med.)	Anatomy and Cell Biology
1989-1990	Department of Anatomy and Cell Biology, Medical School, University of Cape Town Cape Town, South Africa	BSc. (Hons)	Anatomy and Cell Biology

SPECIALTIES & RESEARCH INTERESTS

1. Anatomy and Cell Biology
2. Epithelial electrophysiology
3. Immunocytochemistry
4. Interdisciplinary research in medical image-processing technique for medical diagnosis.

PUBLICATIONS

Journals

1. Ching-Tien Lee, Jiz-Yuh Wang, Kuang-Yi Chou, Ming-I Hsu (2019) 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. (SCI)

2. Chih-Hsien Hsia, Jen-Shiun Chiang, Hsin-Ting Li, Chien-Sheng Lin, and Kuang-Yi Chou (2016, Jun) A 3D endoscopic imaging system with content-adaptive filtering and hierarchical similarity analysis. *IEEE Sensors Journal*, 16 (11), 4521-4530. (SCI) (EI)
3. Ru-Yin Tsai, Juei-Chii Wang, Kuang-Yi Chou, Chih-Shung Wong, Chen-Hwan Cherng (2016, Jun) Resveratrol reverses morphine-induced neuroinflammation in morphine-tolerant rats by reversal HDAC1 expression. *Journal of the Formosan Medical Association*, 115, 445-454. (SCI)
4. Ching-Tien Lee, Jiz-Yuh Wang, Kuang-Yi Chou and Ming-I Hsu (2014, Sep) 1, 25-Dihydroxyvitamin D₃ increases testosterone-induced 17 beta-estradiol secretion and reverses testosterone-reduced connexin 43 in rat granulosa cells. *Reproductive Biology and Endocrinology*, 12:90-101 (SCI)
5. Chen-Hwan Cherng, Kwong-Chiu Lee, Chih-Cheng Chien, Kuang-Yi Chou, Yu-Che Cheng, Shih-Tai Hsin, Sing-Ong Lee, Ching-Hui Shen, Ru-Yin Tsai, Chih-Shung Wong (2014, Aug) Baicalin ameliorates neuropathic pain by suppressing HDAC1 expression in the spinal cord of spinal nerve ligation rats. *Journal of the Formosan Medical Association*, 113(8), 513-520. (SCI)

International Conference

1. Kuang-Yi Chou, Chien-Sheng Lin, Chin-Hsiang Chien, Jen-Shiun Chiang, Chih-Hsien Hsia. Using Statistical Parametric Contour and Threshold Segmentation Technology Applied in X-ray Bone Images. Oral presentation and Proceeding paper presented at the International Symposium on Intelligent Signal Processing and Communication Systems Conference (ISPACS), Phuket, Thailand, October 24-27, 2016. (EI) [MOST 104-2221-E-032-043-MY2, MOST 104-2221-E-034-013-MY2, CHGH105, and NTUNHS 105D006-3]
2. Chin-Hsiang Chien, Kuang-Yi Chou, Chien-Seng Lin, Jen-Shiun Chiang. Multi-threshold Segmentation Technology Applied to the Bone X-ray Images. Poster presented at the 31th Joint Annual Conference of Biomedical Science, Taipei, Taiwan, March 26-27, 2016.
3. Jen-Shiun Chiang, Chih-Hsien Hsia, Hsin-Ting Li, Chien-Sheng Lin, Kuang-Yi Chou, Po-Han Wu, Cheng-Han Lin. *3D Endoscopic Imaging Systems with DIBR*. Oral presentation and Proceeding paper presented at the International Symposium on Intelligent Signal Processing and Communication Systems Conference (ISPACS), Bali, Indonesia November 9-12, 2015, pp. 44-47. (EI) [MOST 104-2221-E-034-013-MY2]
4. Ru-Yin Tsai, Kuang-Yi Chou, Chih-Cheng Chien, Ching-Hui Shen, Chih-Chung Liu, Chih-Shung Wong. Nature Polyphenol Resveratrol Regulates *NR1/NR2B* Receptor Expression and Suppresses Microglia Activation in Morphine-Tolerant Rats. Poster presented at 2013 Society of Pain Annual Meeting. March 9-10, Mackay Memorial Hospital, Taipei, Taiwan.
5. Ru-Yin Tsai, Kwong-Chiu Lee, Chih-Cheng Chien, Kuang-Yi Chou, Sing-Ong Lee, Ching-Hui Shen, Chen-Hwan Cherng, Chih-Shung Wong. Baicalin Ameliorates Neuropathic Pain by Suppressing of HDAC1 Expression in The Spinal Cord of Spinal Nerve Ligation Rats. Poster presented at 2013 Society of Pain Annual Meeting. March 9-10, Mackay Memorial Hospital, Taipei, Taiwan.