

CURRICULUM VITAE

PERSONAL DATA

Name: Kuang-Yi Chou, Ph. D.
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EDUCATION

Duration	Institution & Location	Degree	Major Subject
1989-1994	Department of Anatomy and Cell Biology, Medical School, University of Cape Town Cape Town, South Africa	Ph.D.	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. Ying-Xuan Zeng , Kuang-Yi Chou , Jeng-Jong Hwang & Hwai-Shi Wang (2023) The effects of IL-1 β stimulated human umbilical cord mesenchymal stem cells on polarization and apoptosis of macrophages in rheumatoid arthritis. *Scientific reports*, 13, 10612 <https://doi.org/10.1038/s41598-023-37741-6> (SCI)
2. Ching-Tien Lee, Jiz-Yuh Wang, Kuang-Yi Chou and 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)
3. 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)

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.