

Ing-Ming Chiu, Ph.D.

Distinguished Investigator

Institute of Cellular and System Medicine

National Health Research Institutes

Education

Ph.D., Chemistry, Florida State University, Tallahassee, Florida, 1981

B.S., Chemistry, National Taiwan University, Taipei, Taiwan, 1974

Professional Experiences

- Distinguished Investigator, Institute of Cellular and System Medicine, National Health Research Institutes, Taiwan (2008 - present)
- Distinguished Investigator and Director, Stem Cell Research Center, National Health Research Institutes, Taiwan (2005 – 2008)
- Assistant Professor—Professor, The Ohio State University, USA (1986 – 2005)
- Director, Brain Tumor Gene Therapy Program, The Ohio State University Arthur G. James Cancer Hospital and Research Institute, USA (1997 - 2002)

Recent Honors and Awards

- National Innovation Award in , Taiwan (2011)
- Professor Emeritus, Internal Medicine, The Ohio State University, USA (2010-present)
- Fellow, American Association for the Advancement of Science (elected in 2010)
- President, Taiwanese Bioscientists of America (2005-2006)

Selected Publications (From a Total of 126)

1. Chang YJ, Chen KW, Chen CJ, Lin MH, Sun YJ, Lee JL, **Chiu IM**, Chen L. SH2B1 β interacts with STAT3 and enhances FGF1-induced gene expression during neuronal differentiation. *Mol Cell Biol.* 2014 [Epub ahead of print]
2. Chen JH, Lee D, Chen MS, Ko YC, **Chiu IM**. Inhibition of Neurosphere Formation in Neural Stem/Progenitor Cells by Acrylamide. *Cell Transplantation.* 2013[Epub ahead of print]
3. Chen JH, Lee DC, **Chiu IM**. Cytotoxic effects of acrylamide in nerve growth factor or fibroblast growth factor 1-induced neurite outgrowth in PC12 cells. *Archives Toxicol.* 2013[Epub ahead of print]
4. Lin CH, Lee DC, Chang HC, **Chiu IM**, Hsu, CH. Single-cell enzyme-free dissociation of neurospheres using a microfluidic chip. *Anal Chem.* 85(24):11920-8, 2013
5. Ni HC, Tseng TC, Chen JR, Hsu SH, **Chiu IM**. Fabrication of bioactive conduits containing FGF1 and neural stem cells for peripheral nerve regeneration across a 15 mm critical gap. *Biofabrication.* 5(3):035010 (14pp), 2013
6. Kao CY, Hsu YC, Liu JW, Lee DC, Chung YF, **Chiu IM**. The mood stabilizers valproate and lithium activate human FGF1 gene promoter through RFX transcription factors. *J. Neurochem.* 126(1):4-18, 2013
7. Chen YC, Lee DC, Tai NH, **Chiu IM**. Ultrananocrystalline diamond for neural applications, Diamond based materials for biomedical applications, Woodhead publishing, (ISBN 0 85709 340 1), 2013
8. Liu JW, Hsu YC, Kao CY, Su HL, **Chiu IM**. LIF-induced Stat3 signaling suppresses FGF1-induced Erk1/2 activation to inhibit the downstream differentiation in mouse embryonic stem cells. *Stem Cells. Dev.* 22(8):1190-1197, 2013
9. Wang WP, Tzeng TY, Wang JY, Lee DC, Lin YH, Wu PC, Chen YP, **Chiu IM**, and Chi YH. The EP300, KDM5A, KDM6A and KDM6B chromatin regulators cooperate with KLF4 in the transcriptional activation of POU5F1. *PLoS One.* 7(12): e52556, 2012
10. Hsu YC, Kao CY, Chung YF, Chen MS, and **Chiu IM**. Ciliogenic RFX Transcription Factor Regulate *FGF1* Gene Promter. *J. Cell Biochem.* 113(7): 2511-2522, 2012
11. Fu KY, Dai LG, **Chiu IM**, Chen JR, Hsu SH. Sciatic nerve regeneration by microporous nerve conduits seeded with glial cell line-derived neurotrophic factor or brain-derived neurotrophic factor gene transfected neural stem cells. *Artif. Organs.* 35(4): 363-72, 2011
12. Hsu YC, **Chiu IM**. Transcriptional regulation and clinical applications of neural stem cells. (Eds. D. Shum-Tim and S. Prakash) *Stem Cell Bioengineering and Tissue Engineering Microenvironment*, Quebec, Canada., 355-384, 2011

Patents: Nine US Patents, four Taiwan Patents, and one European Patent.