

CHIH-KANG CHIANG, Ph.D.

Affiliation:

Toxicology

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URL: <http://ah.ntu.edu.tw/web/Teacher!one.action?tid=278#researcher-tab-1>

Academic History:

Education:

June 2006 PhD: Institute of Toxicology, Medical College, National Taiwan University, Taiwan

Current Position/Title:

Associate Professor, Graduate Institute of Toxicology, National Taiwan University College of Medicine

Attending Physician, Blood Purification, Department of Integrated Diagnostics & Therapeutics, National Taiwan University Hospital

Professional/Scientific Career:

2007.02~2012.07: Clinical Assistant Professor, Internal Medicine, College of Medicine, National Taiwan University, Taiwan

2005.02~2007.02: Lecturer, Internal Medicine, College of Medicine, National Taiwan University, Taiwan

2009.09~2011.02: Visiting scholar, Department of Endocrinology & Nephrology, the University of Tokyo, Japan.

2002.7~2005.07: Attending physician, Section of Nephrology, Internal Medicine, Far Eastern Memorial Hospital, Taiwan

1997.07~2002.6: Residency, Department of Internal Medicine, National Taiwan University Hospital, Taiwan

Awards/Professional Societies:

1. Research Award of TSN 2006
2. Research Award of TSN 2011

Research Area/ Interests:

Toxicology; Nephrology; Law Enforcement of Food Safety; Risk Analysis

Dr. Chih-Kang Chiang earned his PhD in the Graduate Institute of Toxicology of National Taiwan University in 2006. He studied in honokiol, a small nature compound, which ameliorated acute glomerulonephritis and chronic renal fibrosis. He got the Research Award of the Taiwan Society of Nephrology twice in 2006 and 2011. He had finished his postdoctor training, which focused on the endoplasmic reticulum and hypoxia stress through examining the erythropoietin transcriptional regulation by indoxyl sulfate, in the University of Tokyo from Sep. 2009 to Jan. 2011. Since Aug. 2012, he has become an associate professor at National Taiwan University College of Medicine, and his professional interests are pathophysiological role of oxidative, hypoxic, and endoplasmic reticulum stress-induced responses in kidney diseases. He has finished his Master Thesis, entitled "Regulation and Law Enforcement of Food Safety in Taiwan" in Jan. 2016. Currently, he is the associate professor of Graduate Institute of Toxicology, NTUCM, and is also the general secretary and spokesman of Taiwan Society of Toxicology (TSTA), and the Director of Taiwan Food Safety Promotion Association (TaFSPA). He also launched two MOOC Coursera courses regarding "Food Safety and Toxicology" and "Food Safety and Risk Analysis" in 2015 and 2017.

Publications * corresponding author

Selected publications (Original article, ; Review,)

1. **Chiang CK**, Hsu SP, Wu CT, Huang JW, Cheng HT, Chang YW, Hung KY*, Wu KD, Liu SH*. Endoplasmic reticulum stress implicated in the development of renal fibrosis. Mol Med. 2011;17(11-12):1295-305.
2. Chen BL, Sheu ML, Tsai KS, Lan KC, Guan SS, Wu CT, Chen LP, Hung KY, Huang JW, **Chiang CK***, Liu SH*. CCAAT-Enhancer-Binding Protein Homologous Protein Deficiency Attenuates Oxidative Stress and Renal Ischemia-Reperfusion Injury Antioxidants & Redox Signaling. November 2015, 23(15): 1233-1245.
3. Liu SH, Wu CT, Huang KH, Wang CC, Guan SS, Chen LP, **Chiang CK***. C/EBP homologous protein (CHOP) deficiency ameliorates renal fibrosis in unilateral ureteral obstructive kidney disease. Oncotarget. 2016 Apr 19;7(16):21900-12
4. Liu SH, Yang CC, Chan DC, Wu CT, Chen LP, Huang JW, Hung KY, **Chiang CK***. Chemical chaperon 4-phenylbutyrate protects against the endoplasmic reticulum stress-mediated renal fibrosis in vivo and in vitro. Oncotarget. 2016 Apr 19;7(16):22116-27.

5. **Chiang CK**, Wang CC, Lu TF, Huang KH, Sheu ML, Liu SH, Hung KY. Involvement of Endoplasmic Reticulum Stress, Autophagy, and Apoptosis in Advanced Glycation End Products-Induced Glomerular Mesangial Cell Injury. *Sci Rep.* 2016 Sep 26;6:34167.