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ACADEMIC CAREER

Ph.D., 1991 Institute of Pharmacology, College of Medicine, National Taiwan University, Taiwan

B.S., 1984 School of Pharmacy, China Medical University, Taiwan

PROFESSIONAL EXPERIENCE

- 1999-present Professor, Institute of Toxicology, College of Medicine, National Taiwan University
- 2005-2012 Director, Institute of Toxicology, College of Medicine, National Taiwan University
- 1993-1999 Associate Professor, Institute of Toxicology, College of Medicine, National Taiwan University

SELECTED PUBLICATIONS (TOTAL 251 REFEREED PAPER from 1987-present)

1. Chen HJ, et al. (2019) Adverse effects of acrolein, a ubiquitous environmental toxicant, on muscle regeneration and mass. *Journal of Cachexia, Sarcopenia and Muscle* 10:165-176.
2. Chiu HC, et al. (2018) Preventing muscle wasting by osteoporosis drug alendronate in vitro and in myopathy models via sirtuin-3 downregulation. *Journal of Cachexia, Sarcopenia and Muscle* 9:585-602.
3. Chiu CY, et al. (2016) Advanced glycation end products induce skeletal muscle atrophy and dysfunction in diabetic mice via an RAGE-mediated AMPK-downregulated Akt Pathway. *Journal of Pathology* 238:470-482.
4. Huang CF, et al. (2015) Arsenic exposure and glucose intolerance/insulin resistance in estrogen-deficient female mice. *Environmental Health Perspectives* 123:1138-1144.
5. Wu CT, et al. (2014) Effects of arsenic on osteoblast differentiation in vitro and on bone mineral density and microstructure in rats. *Environmental Health Perspectives* 122:559-565.
6. Chiu CY, et al. (2014) Low-dose benzo(a)pyrene and its epoxide metabolite inhibit myogenic differentiation in human skeletal muscle-derived progenitor cells. *Toxicological Sciences* 138:344-353.
7. Hsu FL, et al. (2013) Anti-diabetic effects of pterosisin A, a small molecular weight natural product, on diabetic mouse models. *Diabetes* 62:628-638.
8. Yen YP, et al. (2012) Arsenic induces apoptosis in myoblasts through a reactive oxygen species-induced endoplasmic reticulum stress and mitochondrial dysfunction pathway. *Archives of Toxicology* 86:923-933.
9. Yen YP, et al. (2010) Arsenic inhibits myogenic differentiation and muscle regeneration. *Environmental Health Perspectives* 118:949-956.