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學歷

國立台灣大學藥理學研究所博士	1987 / 09 - 1991 / 01
國立台灣大學藥理學研究所碩士	1984 / 09 - 1986 / 06
中國醫藥大學藥學系學士	1979 / 09 - 1984 / 06

經歷

國立台灣大學醫學院毒理學研究所教授	(1999 迄今)
國立台灣大學醫學院毒理學研究所教授兼所長	(2005 / 08 - 2012 / 07)
國立台灣大學醫學院毒理學研究所副教授	(1993 / 08 - 1999 / 07)
國立台灣大學醫學院毒理學研究所講師	(1991 / 08 - 1993 / 07)

獎項及榮譽

1. 世界前 2%的科學家 [終身(1960 - 2020) 和 2020 年度]
2. Journal of Food and Drug Analysis 最佳審稿人(2015, 2020, 2021)
3. 第八屆國家新創獎(學術研究類)
4. 台灣藥理學會傑出研究獎(2009)

研究成果

1. Tsai PS, Chiu CY, Sheu ML, Yang CY, Lan KC, **Liu SH***. Advanced glycation end products activated endothelial-to-mesenchymal transition in pancreatic islet endothelial cells and triggered islet fibrosis in diabetic mice. **Chem Biol Interact.** 2021;345:109562.
2. Chen HJ, Wang CC, Chan DC, Chiu CY, Yang RS, **Liu SH***. Adverse effects of acrolein, a ubiquitous environmental toxicant, on muscle regeneration and mass. **J Cachexia Sarcopenia Muscle.** 2019;10(1):165-176. doi: 10.1002/jcsm.12362.
3. Chiu HC, Chiu CY, Yang RS, Chan DC, **Liu SH***, Chiang CK*. Preventing muscle wasting by osteoporosis drug alendronate in vitro and in myopathy models via sirtuin-3 downregulation. **J Cachexia Sarcopenia Muscle** 2018;9(3):585-602.
4. Chen YW, Lan KC, Tsai JR, Weng TI, Yang CY, **Liu SH***. Tributyltin exposure at noncytotoxic doses dysregulates pancreatic β -cell function in vitro and in vivo. **Archives of Toxicology** 2017; 91(9): 3135–3144.
5. Chiu CY, Yang RS, Sheu ML, Chan DC, Yang TH, Tsai KS, Chiang CK, Liu SH* Advanced glycation end products induce skeletal muscle atrophy and dysfunction in diabetic mice via a RAGE-mediated AMPK-downregulated Akt Pathway. **Journal of Pathology** 2016;238(3):470-482.
6. Huang CF, Yang CY, Chan DC, Wang CC, Huang KH, Wu CC, Tsai KS, Yang RS, **Liu SH*** Arsenic exposure and glucose intolerance/insulin resistance in estrogen-deficient female Mice. **Environmental Health Perspectives** 2015;123(11):1138-1144.
7. 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** 2015;23:1233–1245.
8. Wu CT, Lu TY, Chan DC, Tsai KS, Yang RS, **Liu SH*** Effects of arsenic on osteoblast differentiation in vitro and on bone mineral density and microstructure in rats. **Environmental Health Perspectives** 2014;122:559–565.
9. Hsu FL, Huang CF, Chen YW, Yen YP, Wu CT, Uang BJ, Yang RS, **Liu SH*** Anti-diabetic effects of pterostilbene, a small molecular weight natural product, on diabetic mouse models. **Diabetes** 2013;62:628-638.
10. Chiang CK, Sheu ML, Lin YW, Wu CT, Yang CC, Chen MW, Hung KY, Wu KD, **Liu SH*** Honokiol ameliorates renal fibrosis by inhibiting extracellular matrix and proinflammatory factors in vivo and in vitro. **British Journal of Pharmacology** 2011;163:586-597.
11. Yen YP, Tsai KS, Chen YW, Huang CF, Yang RS, **Liu SH*** Arsenic inhibits myogenic differentiation and muscle regeneration. **Environmental Health Perspectives** 2010;118:949-956.
12. Chen YW, Huang CF, Tsai KS, Yang RS, Yen CC, Yang CY, Lin-Shiau SY, **Liu SH*** The role of phosphoinositide 3-kinase/Akt signaling in low-dose mercury-induced mouse pancreatic β -cell dysfunction in vitro and in vivo. **Diabetes** 2006;55:1614-1624.