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Education

School of Pharmacy, China Medical University B.S. Degree	Taichung, Taiwan 2005/09 – 2010/06
Department of Pharmacology, National Cheng Kung University Direct Admission to the Doctoral Program	Tainan, Taiwan 2010/09 – 2012/06
Institute of Basic Medical Sciences, National Cheng Kung University Ph.D. Degree	Tainan, Taiwan 2012/09 – 2017/07

Expertise

Inflammation and Immunity; Macrophages; Drug Resistance; Biomarker; Precision Medicine

Research Interests

We highlight the cellular and molecular mechanisms of biological processes in inflammation-associated diseases. We also explore the prospective prognostic and predictive biomarkers to guide treatment more precisely.

Selected Publications

- Lai HY**, Hsu LW, Tsai HH, Lo YC, Yang SH, Liu PY*, Wang JM*. CCAAT/enhancer-binding protein delta promotes intracellular lipid accumulation in M1 macrophages of vascular lesions. *Cardiovasc Res*. 2017 Sep 1;113(11):1376-1388. (*, equal contribution) (SCIE, **IF = 13.081**, CARDIAC & CARDIOVASCULAR SYSTEMS = 11/143, **First author**)
- Lai HY**[#], Tsai HH[#], Yen CJ, Hung LY, Yang CC, Ho CH, Liang HY, Chen FW, Li CF*, Wang JM*. Metformin Resensitizes Sorafenib-Resistant HCC Cells Through AMPK-Dependent Autophagy Activation. *Front Cell Dev Biol*. 2021 Jan 21;8:596655. (# and *, equal contribution) (SCIE, **IF = 6.081**, DEVELOPMENTAL BIOLOGY = 6/39, **Co-first author**)
- Wang WJ[#], **Lai HY**[#], Zhang F[#], Shen WJ, Chu PY, Liang HY, Liu YB, Wang JM. MCL1 participates in leptin-promoted mitochondrial fusion and contributes to drug resistance in gallbladder cancer. *JCI Insight*. 2021 Jun 22;135438. (#, equal contribution) (SCIE, **IF = 9.533**, MEDICINE, RESEARCH & EXPERIMENTAL = 19/139, **Co-first author**)
- Lai HY**[#], Wu LC[#], Kong PH, Tsai HH, Chen YT, Cheng YT, Luo HL*, Li CF*. High level of aristolochic acid detected with a unique genomic landscape predicts early UTUC onset after renal transplantation in Taiwan. *Front Oncol*. 2022 Jan 6;11:828314. (# and *, equal contribution) (SCIE, **IF = 5.738**, ONCOLOGY = 78/245, **Co-first author**)
- Lai HY**, Chiu CC, Kuo YH, Tsai HH, Wu LC, Tseng WH, Liu CL, Hsing CH, Huang SK*, Li CF*. High stromal SFRP2 expression in urothelial carcinoma confers an unfavorable prognosis. *Front Oncol*. 2022 Mar 16;12:834249. (*, equal contribution) (SCIE, **IF = 5.738**, ONCOLOGY = 78/245, **First author**)

Selected Patents

- CELL SORTING METHOD AND SYSTEM (2019) Taiwan Invention Patent Number **I668423** HUNG-WEI WU, CHENG-YUAN HUNG, **HUNG-YUEH LAI**