Name Yu-Huei Liu

Current Positions Associate Professor

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Education

Ph. D. Institute of Biochemistry and Molecular Biology, National Taiwan University
B. S. Medical Technology, Taipei Medical College

Expertise

Biochemistry & Molecular Biology
Cancer Biology
Genomics and Genetics
Complementary and Alternative Medicine

Research Interests

My major interests are in immunology, metabolism and cancer research areas in endocrine-exocrine interaction. Methods and techniques we use are ranging from chemistry, biochemistry, molecular biology and cell biology. We are currently working on mechanisms of pancreatic cancer progression and new drug development for pancreatic cancer.

Selected Grants:

1. Study on the mechanisms and molecular targets of the common secondary metabolite of Chinese herbal medicine, gallic acid, on the growth and metastasis of pancreatic cancer.
2. Functional analysis of Paeonia suffruticosa on pancreatic cancer growth and metastasis

Selected Publications

1. Aqueous extracts of Paeonia suffruticosa modulates mitochondrial proteostasis by reactive oxygen species-induced endoplasmic reticulum stress in pancreatic cancer cells. Liu YH*, Weng YP, Tsai HY, Chen CJ, Lee DY, Hsieh CL, Wu YC, Lin JY.Phytomedicine. 2018 Jul 15;46:184-192.
2. Involvement of prohibitin 1 and prohibitin 2 upregulation in cBSA-induced podocyte cytotoxicity. Wu HH, Chen CJ, Lin PY, Liu YH*.J Food Drug Anal. 2020 Jan;28(1):183-194.
3. DNA-induced 2'3'-cGAMP enhances haplotype-specific human STING cleavage by dengue protease. Su CI, Kao YT, Chang CC, Chang Y, Ho TS, Sun HS, Lin YL, Lai MMC, Liu YH, Yu CY.Proc Natl Acad Sci U S A. 2020 Jul 7;117(27):15947-15954.
4. Targeting interleukin-17 receptor B enhances gemcitabine sensitivity through downregulation of mucins in pancreatic cancer. Tsai LH, Hsu KW, Chiang CM, Yang HJ, Liu YH, Yang SF, Peng PH, Cheng WC, Wu HH. Sci Rep. 2020 Oct 20;10(1):17817.

Selected Patents

1. Separation method for hemoglobin and myoglobin, invention patent, Taiwan, I626248. Ku WY, Weng YP, Wu MH, Lu DR, Liu YH*.