



Dr. Tai-Long Pan

Position : Professor

Laboratory : Traditional Chinese Medicine
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Degree : PhD

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Research Interests:

1. Omics study of traditional Chinese medicine in liver fibrosis and hepatocellular carcinoma
2. Systems biology research on breast cancer
3. Translational medicine of traditional Chinese medicine and clinical data analysis

Publication Lists: (2011-present)

*****, corresponding author

範例 :

1. Wang PW, Lin TY, Yang PM, Yeh CT, Pan TL*. Hepatic Stellate Cell Modulates the Immune Microenvironment in the Progression of Hepatocellular Carcinoma. Int J Mol Sci. 2022 Sep 15;23(18):10777. (SCI) (*I.F.*: 6.208; *R/C* 69/296 in **BIOCHEMISTRY & MOLECULAR BIOLOGY**)

2. Wu TH, Wang PW, Lin TY, Yang PM, Li WT, Yeh CT, Pan TL*. Antioxidant properties of red raspberry extract alleviate hepatic fibrosis via inducing apoptosis and transdifferentiation of activated hepatic stellate cells. *Biomed Pharmacother.* 2021 Dec;144:112284. (SCI) (*I.F.: 7.419; R/C= 26/279 in PHARMACOLOGY & PHARMACY*)
3. Pan TL, Bai YM, Cheng CM, Tsai SJ, Tsai CF, Su TP, Li CT, Lin WC, Chen TJ, Liang CS, Chen MH. Atopic dermatitis and dementia risk: A nationwide longitudinal study. *Ann Allergy Asthma Immunol.* 2021 Aug;127(2):200-205. (SCI) (*I.F.: 6.248; R/C 52/161 in IMMUNOLOGY*)
4. Chen MH, Tsai SJ, Su TP, Li CT, Lin WC, Chen TJ, Pan TL*, Bai YM. Increased Risk of Stroke in Patients with Obsessive-Compulsive Disorder: A Nationwide Longitudinal Study. *Stroke.* 2021 Aug;52(8):2601-2608. (SCI) (*I.F 10.17; R/C 14/212 in CLINICAL NEUROLOGY*)
5. Hung YC, Wang PW, Lin TY, Yang PM, You JS, Pan TL*. Functional Redox Proteomics Reveal That *Salvia miltiorrhiza* Aqueous Extract Alleviates Adriamycin-Induced Cardiomyopathy via Inhibiting ROS-Dependent Apoptosis. *Oxid Med Cell Longev.* 2020 Sep 9;2020:5136934. (SCI) (*I.F.: 7.31; R/C 55/194 in CELL BIOLOGY*)
6. Lin TY, Wang PW, Huang CH, Yang PM, Pan TL. Characterizing the Relapse Potential in Different Luminal Subtypes of Breast Cancers with Functional Proteomics. *Int J Mol Sci.* 2020 Aug 24;21(17):6077. (SCI) (*I.F.: 6.208; R/C 69/296 in BIOCHEMISTRY & MOLECULAR BIOLOGY*)
7. Wang PW, Wu TH, Lin TY, Chen MH, Yeh CT, Pan TL. Characterization of the Roles of Vimentin in Regulating the Proliferation and Migration of HSCs during Hepatic Fibrogenesis. *Cells.* 2019 Oct 1;8(10):1184. (SCI) (*I.F 7.666; R/C 51/194 in CELL BIOLOGY*)
8. Wang PW, Lin TY, Hung YC, Chang WN, Yang PM, Chen MH, Yeh CT, Pan TL. Characterization of Fibrinogen as a Key Modulator in Patients with Wilson's Diseases with Functional Proteomic Tools. *Int J Mol Sci.* 2019 Sep 12;20(18):4528. (SCI) (*I.F.: 6.208; R/C 69/296 in BIOCHEMISTRY & MOLECULAR BIOLOGY*)
9. Wang PW, Hung YC, Lin TY, Fang JY, Yang PM, Chen MH, Pan TL. Comparison of the Biological Impact of UVA and UVB upon the Skin with Functional Proteomics and Immunohistochemistry. *Antioxidants (Basel).* 2019 Nov 20;8(12):569. (SCI) (*I.F.: 7.675; R/C 4/63 in CHEMISTRY, MEDICINAL*)
10. Wang PW, Wu TH, Pan TL, Chen MH, Goto S, Chen CL. Integrated Proteome and Cytokine Profiles Reveal Ceruloplasmin Eliciting Liver Allograft Tolerance via Antioxidant Cascades. *Front Immunol.* 2018 Sep 26;9:2216. (SCI) (*I.F 8.786; R/C 33/161 in IMMUNOLOGY*)
11. Fang JY, Wang PW, Huang CH, Chen MH, Wu YR, Pan TL. Skin aging caused by intrinsic or extrinsic processes characterized with functional proteomics. *Proteomics.* 2016

- Oct;16(20): 2718-2731. (SCI) (*I.F 5.393; R/C 15/79 in BIOCHEMICAL RESEARCH METHODS*)
12. Pan TL, Wang PW, Hung CF, Aljuffali IA, Dai YS, Fang JY. The impact of retinol loading and surface charge on the hepatic delivery of lipid nanoparticles. *Colloids Surf B Biointerfaces*. 2016 May 1;141:584-594. (SCI) (*I.F 5.999; R/C 11/72 in BIOPHYSICS*)
 13. Chen MH, Pan TL, Li CT, Lin WC, Chen YS, Lee YC, Tsai SJ, Hsu JW, Huang KL, Tsai CF, Chang WH, Chen TJ, Su TP, Bai YM. Risk of stroke among patients with post-traumatic stress disorder: nationwide longitudinal study. *Br J Psychiatry*. 2015 Apr;206(4):302-7. (SCI) (*I.F 10.671; R/C 10/142 in PSYCHIATRY*)
 14. Pan TL, Wang PW, Huang CH, Leu YL, Wu TH, Wu YR, You JS. Herbal formula, *Scutellariae radix* and *Rhei rhizoma* attenuate dimethylnitrosamine-induced liver fibrosis in a rat model. *Sci Rep*. 2015 Jul 2;5:11734. (SCI) (*I.F 4.996; R/C 19/73 in MULTIDISCIPLINARY SCIENCES*)
 15. Pan TL, Hsu SY, Wang PW, Cheng YT, Chang YC, Saha S, Hu J, Ouyang P. FLJ25439, a novel cytokinesis-associated protein, induces tetraploidization and maintains chromosomal stability via enhancing expression of endoplasmic reticulum stress chaperones. *Cell Cycle*. 2015;14(8):1174-87. (SCI) (*I.F 5.173; R/C 89/194 in CELL BIOLOGY*)
 16. Fang JY, Wang PW, Huang CH, Hung YY, Pan TL*. Evaluation of the hepatotoxic risk caused by lead acetate via skin exposure using a proteomic approach. *Proteomics*. 2014 Nov;14(21-22):2588-99. (SCI) (*I.F 5.393; R/C 15/79 in BIOCHEMICAL RESEARCH METHODS*)
 17. Pan TL, Wang PW, Aljuffali IA, Hung YY, Lin CF, Fang JY. Dermal toxicity elicited by phthalates: evaluation of skin absorption, immunohistology, and functional proteomics. *Food Chem Toxicol*. 2014 Mar;65:105-14. (SCI) (*I.F 5.572; R/C 15/94 in TOXICOLOGY*)
 18. Pan TL, Wang PW, Aljuffali IA, Leu YL, Hung YY, Fang JY. Coumarin derivatives, but not coumarin itself, cause skin irritation via topical delivery. *Toxicol Lett*. 2014 Apr 21;226(2): 173-81. (SCI) (*I.F 4.271; R/C 28/94 in TOXICOLOGY*)
 19. Chen SF, Chang CC, Huang SH, Lu CH, Chuang YC, Pan TL*, Chang WN. ^{99m}Tc-sestamibi thigh SPECT/CT imaging for assessment of myopathy in cerebrotendinous xanthomatosis with histopathological and immunohistochemical correlation. *Clin Nucl Med*. 2014 Mar;39(3): e202-7. (SCI) (*I.F 10.782; R/C 6/136 in RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING*)
 20. Fang JY, Wu TH, Huang CH, Wang PW, Chen CC, Wu YC, Pan TL. Proteomics reveals plasma profiles for monitoring the toxicity caused by chromium compounds. *Clin Chim Acta*. 2013 Aug 23;423:23-31. (SCI) (*I.F 6.314; R/C 5/29 in MEDICAL LABORATORY TECHNOLOGY*)

Patents:

以下放置各研究室活動照片（至少四張）