



# 翁仕彥

助理教授

## 學歷

博士

國立臺灣大學醫學院分子醫學研究所

碩士

國立臺灣大學理學院生化科學研究所

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國立臺灣大學農學院農業化學系農產製造組



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## 專長領域

免疫學  
生物醫學  
預防醫學  
生物統計學

## 現職與經歷

國立臺北護理健康大學智慧健康照護跨領域學院助理教授

國立臺北護理健康大學健康科技學院助理教授及專案計畫教學人員

國立臺北護理健康大學大健康產業創新研究中心助理研究員

臺北市立萬芳醫院消化內科博士後研究員

德國美茵茲大學醫學院(Universitätsmedizin Mainz)轉譯免疫所博士後研究員

中央研究院分子生物研究所博士後研究員

## 研究計畫

- 探討IL-13Ra1調節巨噬細胞極化對於肝臟纖維化形成及復元之影響
- 大學社會責任實踐計畫(USR)鏈結區域資源升級長照專業-「北護護你健康、青銀共好標竿計畫」
- 國立技專校院校務發展特色躍升計畫
- 藉由調節巨噬細胞的性狀及活性減緩肝纖維化的進展及引發逆轉纖維化之反應

## 獲獎紀錄

- 補助赴國外從事博士後研究

# 著作目錄

## 期刊論文

2023 Tu CC, Weng SY, Hsieh NC, Cheng WC, Alizargar J, Chang KS. Increasing Use of Telemedicine for Neurological Disorders During the COVID-19 Pandemic: A Mini-Review. *Journal of Multidisciplinary Healthcare*.

2020 Alizargar J, Hsieh NC, Wu SV, Weng SY. Using the Cardio-Ankle Vascular Index (CAVI) or the Mathematical Correction Form (CAVI0) in Clinical Practice. *Int J Mol Sci*

Yin-Hsi Chang, Shih-Yen Weng, Sheng-Jie Shiue, Chao-Ling Cheng, Ming-Shun Wu. Hydrocele in recurrent acute pancreatitis caused by testicular venous obstruction A case report of a rare complication (CARE-compliant)*Medicine*.

Cheng-Hui Wang, Ting-Han Tai, Shih-Yen Weng, Shin-Wen Yeh, Ming-Shun Wu. (Two 1st authors). Spontaneous bacterial peritonitis caused by *Campylobacter Coliin* cirrhotic patient: A rare case report (CARE-compliant)*Medicine*.

2019 Muhammad Ashfaq-Khan , Misbah Aslam, Muhammad Asif Qureshi, Marcel Sascha Senkowski, Shih-Yen Weng, Susanne Strand, Yong Ook Kim, Geethanjali Pickert, Jörn M Schattenberg, Detlef Schuppan. Dietary wheat amylase trypsin inhibitors promote features of murine non-alcoholic fatty liver disease.

Alizargar J, Hsieh NC, Wu SV, Weng SY. Comment on Lecca, L.I.; Portoghese, I.; Mucci, N.; Galletta, M.; Meloni, F.; Pilia, I.; Marcias, G.; Fabbri, D.; Fostinelli, J.; Lucchini, R.G.; Cocco, P.; Campagna, M. Association between Work-Related Stress and QT Prolongation in Male Workers. *J. Environ. Res. Public Health*

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Alizargar J, Bai CH, Hsieh NC, Wu SV, Weng SY, Wu JP. Association of Kidney Function Tests with a Cardio-Ankle Vascular Index in Community-Dwelling Individuals with a Normal or Mildly Decreased Estimated Glomerular Filtration Rate. *Medicina (Kaunas)*.

Cheng IC, Weng SY, Wu MS, Suk FM, Lien GS, Chen CN. Low-Molecular-Weight Fucoidan and High Stability Fucoxanthin Decrease Serum Alanine transaminase (ALT) in Patients with Non-alcoholic Fatty Liver Disease (NAFLD)-A Double Blind, Randomized Controlled Trial.

2018

Weng SY, Wang X, Vijayan S, Tang Y, Kim YO, Padberg K, Regen T, Molokanova O, Chen T, Bopp T, Schild H, Brombacher F, Crosby JR, McCaleb ML, Waisman A, Bockamp E, Schuppan D. IL-4 Receptor Alpha Signaling through Macrophages Differentially Regulates Liver Fibrosis Progression and Reversal. *EBioMedicine*.

Wang XY, Hausding M, Weng SY, Kim YO, Steven S, Klein T, Daiber A, Schuppan D. Gliptins suppress inflammatory macrophage activation to mitigate inflammation and fibrosis in models of non-alcoholic steatohepatitis.

Molokanova O, Schönig K, Weng SY, Wang X, Bros M, Diken M, Ohngemach S, Karsdal M, Strand D, Nikolaev A, Eshkind L, Schuppan D. Inducible knockdown of procollagen I protects mice from liver fibrosis and leads to dysregulated matrix genes and attenuated inflammation.

Lai CY, Liu H, Tin KX, Huang Y, Yeh KH, Peng HW, Chen HD, He JY, Chiang YJ, Liu CS, Weng SY, Tao MH, Yen JJ, Yang-Yen HF. Identification of UAP1L1 as a critical factor for protein O-GlcNAcylation and cell proliferation in human hepatoma cells.

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## 期刊論文

2017 Haeberle S, Raker V, Haub J, Kim YO, Weng SY, Yilmaz OK, Enk A, Steinbrink K, Schuppan D, Hadaschik EN. Regulatory T cell deficient scurfy mice exhibit a Th2/M2-like inflammatory response in the skin

2013 Weng SY, Schuppan D. AMPK regulates macrophage polarization in adipose tissue inflammation and NASH. J Hepatol.

2011 Weng SY, Yang CY, Li CC, Sun TP, Tung SY, Yen JJ, Tsai TF, Chen CM, Chen SH, Hsiao M, Huang PH, Yang-Yen HF. Synergism between p53 and Mcl-1 in protecting from hepatic injury, fibrosis and cancer. J Hepatol.

2007 Chen SH, Wu PS, Chou CH, Yan YT, Liu H, Weng SY, Yang-Yen HF. A knockout mouse approach reveals that TCTP functions as an essential factor for cell proliferation and survival in a tissue- or cell type-specific manner.

## 研討會論文

2021 Utilization of AI-aided image classification for the diagnosis of ischemic stroke.

2018 Rapamycin Promotes Tumoricidal Immunity in Murine HCC Via M1-Type Macrophage and Dendritic Cell Polarization and Enhancement of Cytotoxic T Cells  
Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

Combined Treatment with Rapamycin and Zoledronic Acid Retards Growth of Advanced Murine Hepatocellular Carcinoma Via Activation of Innate and Adaptive Immunity Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

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## 期刊論文

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Deletion of IL-4 Receptor Alpha on Macrophages Attenuates Inflammation and Fibrosis in Murine Nonalcoholic Steatohepatitis (NASH) Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

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Dietary Wheat Amylase Trypsin Inhibitors Worsen Chronic Liver Disease in Pre-Clinical Models of Nash and Liver Fibrosis Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

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2017

Glucagon-like peptide-1 receptor agonists inhibit inflammatory macrophage activation and improve the major components of NASH in an optimized CDA mouse model 68th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

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A mouse model with inducible ablation of TGFb receptor type 2 limited to hepatic stellate cells predicts the power of HSC-specific TGFb pathway inhibition 68th Annual Liver Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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Zoledronic Acid suppresses tumour associated macrophages and myeloid derived suppressor cells boosting immune modulating therapies against murine HCC 68th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

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## 期刊論文

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Combined treatment with Rapamycin and Zoledronic Acid strongly inhibits growth of murine hepatocellular carcinoma via activation of the immune microenvironment 68th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting

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2016

Nutritional Wheat Amylase Trypsin Inhibitors, Activators of Toll Like Receptor 4, Exacerbate Non-Alcoholic Steatohepatitis in High Fat Diet Fed Mice 67th Annual Liver Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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A Short-term High Carbohydrate Diet Induces Acute Liver Injury, Enhanced de novo Lipogenesis, Inflammation, Fibrosis and M2 Macrophage Polarization 67th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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IL-4 and IL-13 regulate liver fibrosis through M2 macrophages, but not Th2 T cells or hepatocytes 67th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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Generation and characterization of a myofibroblasts specific conditional Col3a1a-CreERT2 mouse model to study liver fibrosis 67th Annual Liver Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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Combined Treatment with Rapamycin and Zoledronic Acid Synergistically Repolarize Tumour Associated Macrophages towards anti-HCC responses 67th Annual Liver Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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2015 The antifibrotic effect of IL-4R alpha signaling depends on macrophage subsets prevalent during liver fibrosis progression and reversal 66th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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Glucagon-like peptide-1 potently attenuates steatohepatitis and liver fibrosis by regulating liver macrophage infiltration, activation and polarization 66th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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IL-13R alpha 1 signaling and M2 macrophages but not Th2 T cells drive progression of CCL4-induce fibrosis 66th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD)

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Oral hepatotropic DPP4 inhibitors attenuate NASH and biliary fibrosis in part through macrophage modulation 66th Annual Meeting of the American- Association- for- the- Study- of- Liver-Diseases (AASLD)

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Linagliptin-mediated DPP-4 Inhibition Ameliorates Inflammation and Fibrosis in Models of Biliary Fibrosis and NASH 75th Scientific Sessions of the American -Diabetes- Association

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2014

Linagliptin mediated DPP-4 inhibition ameliorates inflammation and fibrosis in models of NASH and biliary fibrosis 65th Annual Meeting of the American-Association-for-the-Study-of-Liver-Disease

Alternative regulation of macrophages activation by IL-4 receptor alpha in fibrosis progression and reversal 65th Annual Meeting of the American-Association-for-the-Study-of-Liver-Disease

Pharmacological modulation of IL-4Ralpha regulates liver fibrosis progression and regression by tuning M2 macrophage polarization 65th Annual Meeting of the American-Association-for-the-Study-of-Liver-Disease

A Diet-Induced Mouse Model With Development Of Severe Nash 65th Annual Meeting of the American-Association-for-the-Study-of-Liver-Disease

2013

IL-4 Receptor alpha1 regulates M2 macrophage signaling and is an important modulator of liver fibrosis progression and regression 64th Annual Meeting and Postgraduate Course of the American-Association-for-the-Study-of-Liver-Diseases

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Differential regulation of liver fibrosis progression and regression by pharmacological inhibition of M2 macrophage polarization through IL-4Ralpha1 64th Annual Meeting and Postgraduate Course of the American-Association-for-the-Study-of-Liver-Diseases

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Lack of Matrix Metalloproteinase-8 Ameliorates Liver Fibrosis Progression and Promotes Fibrosis Regression 64th Annual Meeting and Postgraduate Course of the American-Association-for-the-Study-of-Liver-Diseases

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A long-acting GLP-1 agonist exenatide suppresses inflammation and fibrosis in models of NASH and biliary fibrosis 64th Annual Meeting and Postgraduate Course of the American- Association- for-the- Study-of- Liver- Diseases

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2011

Synergism between p53 and Mcl-1 in hepatocyte maturation and survival Second AACR International Conference on Frontiers in Basic Cancer Research

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