

謝 珮 文 (Pei-Wen Hsieh)

職稱：教授

最高學歷：高雄醫學大學藥學研究所藥學博士

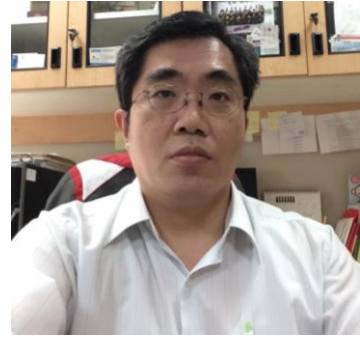
學校分機號碼：3105

電子郵件帳號：pewehs@mail.cgu.edu.tw

研究專長：藥物化學、天然物化學、藥學

研究室：藥物化學研究室

研究室成員：博士班研究生 3 人
碩士班研究生 4 人
專任研究助理 1 人
博士後研究員 0 人



最近研究之主題：

1. 新藥研發；如絲胺酸蛋白酶抑制劑、抗病毒與抗癌相關藥物。
2. 天然物及其相關類似物之合成與活性評估。
3. 中草藥之化學與活性成分研究。

論文著作 (2012-迄今)：

*, corresponding author

54. **Pei-Wen Hsieh**, Saleh A. Al-Suwayeh, Chia-Lang Fang, Chwan-Fwu Lin, Chun-Che Chen, Jia-You Fang. The co-drug of conjugated hydroquinone and azelaic acid to enhance topical skin targeting and decrease penetration through the skin. *Eur. J. Pharm. Biopharm.* **2012**, 81:369-378. (SCI) (*I.F.*: 3.975; *R/C*=44/253 in PHARMACOLOGY & PHARMACY)
55. I-Ta Lee, Chih-Chung Lin, Chi-Yin Lee, **Pei-Wen Hsieh**, Chuen-Mao Yang. Protective effects of (-)-epigallocatechin-3-gallate against TNF- α -induced lung inflammation via ROS-dependent ICAM-1 inhibition. *J. Nutr. Biochem.* **2013**, 24:124-136. (SCI) (*I.F.*: 4.668;

R/C=8/78 in NUTRITION & DIETETICS)

56. Jia-You Fang, Yi-Ting Liu, Yaw-Bin Huang, Tai-Long Pan, Han-Hsiang Wang, **Pei-Wen Hsieh***. Pharmacokinetics, biodistribution, and toxicology following Intravenous and oral administration of DSM-RX78 and EFB-1, two new 2-(2-fluorobenzamido)benzoate-based PDE4 inhibitors, to rats. *J. Pharm. Pharmacol.* **2013**, 65: 345-354. (SCI) (**I.F.: 2.363**;

R/C=126/253 in PHARMACOLOGY & PHARMACY)

57. Jing-Ru Liou, Mohamed El-Shazly, Ying-Chi Du, Chao-Neng Tseng, Tsong-Long Hwang, Yueh-Lin Chuang, Yu-Ming Hsu, **Pei-Wen Hsieh**, Chin-Chung Wu, Shu-Li Chen, Ming-Feng Hou, Fang-Rong Chang, Yang-Chang Wu. 1,5-Diphenylpent-3-en-1-yne and methyl naphthalene carboxylates from *Lawsonia inermis* and their anti-inflammatory activity. *Phytochemistry* **2013**, 88: 67-73. (SCI) (**I.F.: 2.779**; **R/C=44/209 in PLANT SCIENCES)**

58. Tsong-Long Hwang, Chih-Hao Hung, Ching-Yun Hsu, Yin-Ting Huang, Yu-Chi Tsai, **Pei-Wen Hsieh***. Design and synthesis of tryptophan containing dipeptide derivatives as formyl peptide receptors 1 antagonist. *Org. Biomol. Chem.* **2013**, 11: 3742-3755. (SCI) (**I.F.: 3.559**; **R/C=14/59 in CHEMISTRY, ORGANIC)**

59. **Pei-Wen Hsieh**, Jin-Bin Wu, Yang-Chang Wu. Chemistry and biology of *Phellinus linteus*. *BioMedicine* **2013**, 3:106-113.

60. **Pei-Wen Hsieh**, Wei-Yu Chen, Ibrahim A. Aljuffali, Chun-Che Chen and Jia-You Fang. Co-drug strategy for promoting skin targeting and minimizing transdermal diffusion of hydroquinone and tranexamic acid. *Curr. Med. Chem.* **2013**, 20:4080-4092. (SCI) (**I.F.: 3.455**; **R/C=10/59 in CHEMISTRY, MEDICINAL)**

61. Li-Mei Wei, Yang Chang Wu, Chin-Chau Chen, **Pei-Wen Hsieh**, Wen-Bin Pan. Tupichinin B-D, three new spirostanol saponins from *Tupisra chinensis* rhizomes. *Nat. Prod. Res.* **2014**, 28:74-80. (SCI) (**I.F.: 1.057**; **R/C=44/71 in CHEMISTRY, APPLIED)**

62. Kuo-Sheng Liu, **Pei-Wen Hsieh**, Saleh A. Al-Suwayeh, Shu-Hao Chang, Jhi-Joung Wang, Jia-You Fang. Impact of ester promoieties on transdermal delivery of ketorolac. *J. Pharm. Sci.* **2014**, 103:974-986. (SCI) (**I.F.: R/C=2.641**; **96/253 in PHARMACOLOGY & PHARMACY)**

63. **Pei-Wen Hsieh**, Chih-Jen Wen, Huang-Pin Yu, Ibrahim A. Aljuffali, Ya-Huei Huang, Jia-You Fang. Nanostructured lipid carriers containing a high percentage of a pluronic copolymer increase the biodistribution of novel PDE4 inhibitors for the treatment of traumatic hemorrhage. *J. Biomed. Nanotechnol.* **2014**, 10:1520-1535. (SCI) (**I.F.: 3.929**; **R/C=7/33 in MATERIALS SCIENCE, BIOMATERIALS)**

64. **Pei-Wen Hsieh**, Ibrahim A. Aljuffali, Chia-Lang Fang, Shu-Hao Chang, Jia-You Fang.

Hydroquinone-salicylic acid conjugates as novel anti-melasma actives show superior skin targeting compared to the parent drugs. *J. Dermatol. Sci.* **2014**, 76:120-131. (SCI) (*I.F.*: 3.739; *R/C*=7/61 in DERMATOLOGY)

65. Tsong-Long Hwang, Wen-Hui Wang, Ting-Yi Wang, Huang-Ping Yu, Pei-Wen Hsieh*. Synthesis and pharmacological characterization of 2-aminobenzaldehyde oxime analogs as dual inhibitors of neutrophil elastase and proteinase 3. *Bioorg. Med. Chem.* **2015**, 23:1123-1134. (SCI) (*I.F.*: 2.923; 18/59 in CHEMISTRY, ORGANIC)

66. I-Hua Chen, Hsin-Chu Shih, Pei-Wen Hsieh, Fang-Rong Chang, Yang-Chang Wu, Chin-Chung Wu. HPW-RX40 restores anoikis sensitivity of human breast cancer cells by inhibiting integrin/FAK signaling. *Toxicol. Appl. Pharm.* **2015**, 289:330-340. (SCI) (*I.F.*: 3.847; *R/C*=12/89 in TOXICOLOGY)

67. Chien-Kei Wei, Fang-Rong Chang, Pei-Wen Hsieh, Chin-Chung Wu. Inhibition of the interactions between metastatic human breast cancer cells and platelets by β -nitrostyrene derivatives. *Life Sci.* **2015**, 143:147-155. (SCI) (*I.F.*: 2.685; *R/C*= 95/253 in PHARMACOLOGY & PHARMACY)

68. Yao-Wen Chang, Pei-Wen Hsieh, Yu-Tsui Chang, Meng-Hung Lu, Tur-Fu Huang, Kowit-Yu Chong, Hsiang-Ruei Liao, Ju-Chien Cheng, and Ching-Ping Tseng. Identification of a novel platelet antagonist that binds to CLEC-2 and suppresses podoplanin-induced platelet aggregation and cancer metastasis. *Oncotarget* **2015**, 6:42733-42748.(Equal contribution as first author) (SCI) (*I.F.*: 5.008; *R/C*=36/213 in ONCOLOGY)

69. Amos C. Hung, Chun-Hao Tsai, Ming-Feng Hou, Wen-Lin Chang, Chie-Hong Wang, Yi-Chen Lee, Alice Ko, Stephen Chu-Sung Hu, Fang-Rong Chang, Pei-Wen Hsieh*, Shyng-Shiou F. Yuan*. The synthetic β -nitrostyrene derivative CYT-rx20 induces breast cancer cell death and autophagy via ROS-mediated MEK/ERK pathway. *Cancer Lett.* **2016**, 371:251-261. (SCI) (*I.F.*: *R/C*=5.992; *R/C*=23/213 in ONCOLOGY)

70. Jin-Yuan Ho, Jyh-Haur Chern, Chung-Fan Hsieh, Szu-Ting Liu, Chien-Jou Liu, Ya-Sian Wang, Ta-Wei Kuo, Sheng-Ju Hsu, Ten-Kuang Yeh, Shin-Ru Shih, Pei-Wen Hsieh, Chen-Hsun Chiu, Jim-Tong Horng. In vitro and in vivo studies of a potent capsid-binding inhibitor of enterovirus 71. *J. Antimicrob. Chemother.* **2016**, 71:1922-1932. (SCI) (*I.F.*: 4.919; *R/C*=20/253 in PHARMACOLOGY & PHARMACY)

71. Chien-Chong Hong, Chih-Chung Lin, Chian-Lang Hong, Zi-Xiang Lin, Meng-Hua Chung, Pei-Wen Hsieh. Analyzer with On-Chip molecularly-imprinted biosensors for electrical detection of propofol in plasma samples. *Biosens. Bioelectron.* **2016**, 86:623-629. (SCI) (*I.F.*: 7.476; *R/C*=3/75 in CHEMISTRY, ANALYTICAL)

72. Yu-Li Chen, Tsong-Long Hwang, Huang-Ping Yu, Jia-You Fang, Kowit Yu Chong, Yao-Wen Chang, Chun-Yu Chen, Hsuan-Wu Yang, Wen-Yi Chang, **Pei-Wen Hsieh***. *Ilex kaushue* and its bioactive component 3,5-dicaffeoylquinic acid protected mice from lipopolysaccharide-induced acute lung injury. *Sci. Rep.* **2016**, 6:34243. (SCI) (*I.F.*: 5.228; *R/C*=7/63 in MULTIDISCIPLINARY SCIENCES)
73. Chung-Fan Hsieh, Yu-Li Chen, Chwan-Fwu Lin, Jin-Yuan Ho, Chun-Hsun Huang, Cheng-Hsun Chiu, **Pei-Wen Hsieh**, Jim-Tong Horng. An extract from *Taxodium distichum* targets hemagglutinin- and neuraminidase-related activities of influenza virus in vitro. *Sci. Rep.* **2016**, in press. (SCI) (*I.F.*: 5.228; *R/C*=7/63 in MULTIDISCIPLINARY SCIENCES)

專利:

1. Tsong-Long Hwang, **Pei-Wen Hsieh**, Huang-Ping Yu, 苯并雜氧嗪酮衍生物，其製備方法以及包含有此等衍生物的藥學組成物，中華民國專利 I419884 號。
2. Ching-Ping Tseng, **Pei-Wen Hsieh**, Yao-Wen Chang, 一種含有 5-nitrobenzoate 之衍生物，透過抑制腫瘤細胞誘發血小板凝集反應作為癌症轉移治療方式，中華民國專利 I444358 號。
3. **Pei-Wen Hsieh**, Tsong-Long Hwang, Wen-Hui Wang, Ting-Yi Wang, Oxime-based compound, pharmaceutical composition containing the same and method for preparing the same, US9073833。
4. **Pei-Wen Hsieh**, Tsong-Long Hwang, Wen-Hui Wang, Ting-Yi Wang, 2-胺基苯甲醛肟衍生物及其製備方法與用途，中華民國專利 I508938 號。
5. **Pei-Wen Hsieh**, Tsong-Long Hwang, Wen-Hui Wang, Ting-Yi Wang, Oxime-based compound, pharmaceutical composition containing the same and method for preparing the same, JP 特願 2014-251047。
6. Tsong-Long Hwang, **Pei-Wen Hsieh**, Yin-Ting Huang, Chih-Hao Hung, FPR1 拮抗劑的衍生物及其用途，中華民國專利 I537251 號。
7. Ching-Ping Tseng, **Pei-Wen Hsieh**, Yao-Wen Chang, A composition of 5-nitrobenzoate derivatives as anti-metastatic agent that inhibits tumor cell-induced platelet aggregation, US20140011882 A1. (申請中)
8. **Pei-Wen Hsieh**, Tsong-Long Hwang, Wen-Hui Wang, Ting-Yi Wang, 2-胺基苯甲醛肟衍生物及其製備方法與用途。中華人民共和國專利申請號碼 201410199178.3 號。(申請中)

指導研究生論文：

姓名	學位	論文題目
張育婷	碩士	Synthesis and Evaluation of β -Nitrostyrene Derivatives as Anti-platelet Aggregation Agents
王翰翔	碩士	The Structure-Activity Relationships Study of Anti-inflammatory Anthranilate Derivatives
林煥庭	碩士	The Total Synthesis of Arenamide B
洪志豪	碩士	The Synthesis and Bioactive Evaluation of Dipeptide Derivatives on Superoxide Anion and Elastase Release in Human Neutrophils
劉怡婷	碩士	The Pharmacokinetics of Anti-inflammatory Anthranilic Acid Derivatives in Rats
王維婕	碩士	The Studies on the Chemical and Bioactive Constituents of Endophytic <i>Bacillus licheniformis</i> from <i>Orthosiphon spiralis</i>
王雯慧	碩士	The Structure-Activity Relationships Study of Anthranilate Analogs as Neutrophil Elastase Inhibitors
胡穎寬	碩士	Studies on the Chemical and Bioactive Constituents of New Endophytic <i>Rhodotorula taiwanensis</i> sp. nov. from <i>Artemisia argyi</i>
盧芬華	碩士	The Synthesis and Bioactive Evaluation of 4- <i>O</i> -Benzoyl-3-Methoxy- β -Nitrostyrene Analogs
陳功儒	碩士	Study of the Structural Optimization and Pharmacokinetics of Anthranilate-Base Anti-inflammatory Agents
王婷儀	碩士	Exploring Serine Protease Inhibitors
黃馨瑩	碩士	Studies on the Chemical and Bioactive Constituents of <i>Stellaria aquatica</i> (L.) Scop.
黃韋伶	碩士	Studies on the Chemical and Bioactive Constituents of Endophytic <i>Penicillium paxilli</i> from <i>Prunella vulgaris</i> Linn.

蔡昀真	碩士	Synthesis and Evaluation of 5-Nitrobenzamide Derivatives as Anti-tumor Cells-Induced Platelet Aggregation Agents
林瑩珊	碩士	Bioreduction of Aromatic Ketones by New Endophytic <i>Rhodotorula taiwanensis</i> sp. nov
李治勳	碩士	The <i>in vivo</i> Evaluations of Anti-inflammatroy β -Nitrostyrene Derivatives
陳政懋	碩士	Synthesis and Bioactive Evaluation on Tryptophan Containing Dipeptide Derivatives as Formyl Peptide Receptor 1 Antagonist
潘昶佑	碩士	Establishment of Bioactive Evaluation System for Metal Ion Chelating Agents Using Isothermal Titration Calorimetry

