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最近研究之主題：

一、研究計畫

1. 新穎性嗜中性白血球 NADPH oxidase 抑制劑的研究
2. 探討 2,6-diisopropylphenol 在活化態人類嗜中性白血球上的抗發炎功效與機制
3. 整合型厚朴(Magnolia officinalis)有效成分及合成衍生物之抗發炎活性與其經皮吸收之保健應用之子計畫二:厚朴有效成分的抗發炎生物活性與機轉研究子
4. 菲類化合物 CLL V-1 作為抑制嗜中性白血球發炎作用的新穎性試劑

二、產學合作案

1. Nalbuphine 於免疫細胞 Neutrophil 和 Macrophage 之功效測試研究計畫
2. 嗜中性白血球運用於抗發炎藥物平台之研究計畫
3. 樣品於免疫細胞 Neutrophil 之功效測試
4. 頭髮生長原料開發
5. JF2016 抗發炎功效評估

論文著作 (2011-迄今):

5 年內代表論文

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2. Yang SC, Chang SH, Hsieh PW, Huang YT, Ho CM, Tsai YF, Hwang TL*. Dipeptide HCH6-1 inhibits neutrophil activation and protects against acute lung injury by blocking FPR1. *Free Radic Biol Med*. 2017 Feb 21;106:254-69.
3. Chang YC, Hwang TL (equal first author), Kuo LM, Sung PJ. Pinnisterols D-J, New 11-Acetoxy-9,11-secosterols with a 1,4-Quinone Moiety from Formosan Gorgonian Coral *Pinigorgia* sp. (Gorgoniidae). *Mar Drugs*. 2017 Jan 6;15(1). pii: E11.
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7. Yang SC, Hwang TL*. The potential impacts of formyl peptide receptor 1 in inflammatory diseases. *Front Biosci (Elite Ed)*. 2016 Jun 1;8:436-49.
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9. Chen CY, Leu YL, Fang Y, Lin CF, Kuo LM, Sung WC, Tsai YF, Chung PJ, Lee MC, Kuo YT, Yang HW, Hwang TL*. Anti-inflammatory effects of *Perilla frutescens* in activated human neutrophils through two independent pathways: Src family kinases and Calcium. *Sci Rep*. 2015 Dec 14;5:18204.
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12. Kuo CY, Chiu YC, Lee AY, Hwang TL*. Mitochondrial Lon protease controls ROS-dependent apoptosis in cardiomyocyte under hypoxia. *Mitochondrion*. 2015 Apr 25;23:7-16.
13. Chen YR, Tseng CH, Chen YL, Hwang TL*, Tzeng CC*. Discovery of benzo[f]indole-4,9-dione derivatives as new types of anti-inflammatory agents. *Int J Mol Sci*. 2015 Mar 23;16(3):6532-44.
14. Hwang TL, Hsu CY, Aljuffali IA, Chen CH, Chang YT, Fang JY. Cationic liposomes evoke proinflammatory mediator release and neutrophil extracellular traps (NETs) toward human neutrophils. *Colloids Surf B Biointerfaces*. 2015 Apr 1;128:119-26.
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16. Tsai YF, Yu HP, Chang WY, Liu FC, Huang ZC, Hwang TL*. Sirtinol inhibits neutrophil elastase activity and attenuates lipopolysaccharide-mediated acute lung injury in mice. *Sci Rep*. 2015 Feb 10;5:8347.
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專利:

1. 陳日榮、謝博銓、陳晉彥、黃聰龍。白蠟樹萃取之新裂環烯醚萜及生物活性成分及其製備方法。中華民國發明第 I 568443；專利權期間：20170201 -20320711。
2. 陳金銓、呂彥禮、黃聰龍、方嘉佑、潘台龍。哺乳類 SIRT1 的活化劑。中華民國發明第 I 556818 號；專利權期間：20161111 -20350806。
3. 黃聰龍、謝珮文、黃吟婷、洪志豪。F P R 1 拮抗劑的衍生物及其用途。中華民國發明第 I 537251 號；專利權期間：20160611 -20331008。
4. 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 cross-reference to related application.特許證 特許第 5890512 號；專利權起始日：20160226。
5. 陳日榮、謝博銓、郭文隆、黃聰龍、王泰吉、郭代璜、鍾靜宜。厚朴萃取之新聯苯化合物及生物活性成分及製備方法。中華民國發明第 I 515004 號；專利權期間：20160101-20310824。

6. 謝珮文、**黃聰龍**、王雯慧、王婷儀。2-胺基苯甲醛肟衍生物及其製備方法與用途。中華民國發明第 I 508938 號；專利權期間：20151121-20340123.
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8. **黃聰龍**、謝珮文、余黃平。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。中華民國發明第 I 419884 號；專利權期間：20131221-20300623.
9. 宋秉鈞、白鎮豪、蘇尹帝、**黃聰龍**、郭富雯、樊同雲、李展榮。紅鞭珊瑚酯及其分離方法。中華民國發明第 I 344960 號；專利權期間：20110711-20280611.
10. 宋秉鈞、白鎮豪、蘇尹帝、**黃聰龍**、李展榮、林美如、許志宏、方力行。白鞭珊瑚酯及其分離方法。中華民國發明第 I 353355 號；專利權期間：20111201-20280611.

指導研究生論文：

姓名	學位	論文題目	現職
洪秀文	碩士	Pharmacological Effects of YC-1, a Soluble Guanylate Cyclase Activator, in Human Neutrophils	社區藥師
高淑惠	碩士	Inhibition of Human Neutrophil Functions by VCC394 from <i>Viscum Coloratum</i>	醫院藥師
湯銘吉	碩士	Regulation of Nitric Oxide and TNF α Production by Cyclic AMP in Alveolar Macrophages	藥廠研發主管
葉尚鑫	碩士	Effects of H ₂ O ₇ D and Ass-13-2a on superoxide anion generation and elastase release in human neutrophils	藥廠業務主管
卓士凱	碩士	Effects of cyclic nucleotides on homotypic human neutrophil aggregation	藥廠經理
潘彥霖	碩士	Pharmacological effects of sGC activators on β -hexosaminidase release in RBL-2H3 mast cells	藥師
李果濃	碩士	Inhibition of superoxide generation in human neutrophils by AFB-1 from <i>Fissistigma bracteolatum</i>	藥廠業務主管
王前喬	碩士	Inhibition of human neutrophil functions by <i>Sapindus mukorossi</i> and <i>Styrax benzoin</i>	藥品公司研發處經理
張翰林	碩士	Effect of clerodane diterpenoid derivatives on superoxide anion and elastase release in human neutrophils	藥廠業務主管
吳怡秀	碩士	Inhibition of superoxide anion and elastase release in human neutrophils by bractelactone from <i>Fissistigma bracteolatum</i>	學術研究助理

張育華	碩士	Effects of BAY41-2272, a sGC activator, on MAPKs activation in human neutrophils	臨床試驗專員
張一如	碩士	Effect of 2-benzoylamino-benzoic acid analogues on superoxide anion and elastase release in human neutrophils	藥局藥師
蘇怡嘉	碩士	Effect of C18 fatty acids on superoxide anion and elastase release in human neutrophils	臨床藥師
徐佳如	碩士	BAY41-2272 increases elastase release via p38 MAPK and JNK pathways in human neutrophils	醫院藥師
詹于瑩	碩士	Role of palmitic acid and palmitoleic acid on superoxide anion and elastase release in human neutrophils	醫院藥師
鍾沛蓁	碩士	Effect of coumarin derivative from <i>Angelica hirsutiflora</i> on superoxide generation and elastase release in human neutrophils	藥廠營業專員
陳宜萱	碩士	P007, a flavonoid from <i>Helminthostachys zeylanica</i> (L) Hook, causes respiratory burst in human neutrophils	醫院藥師
林怡玟	碩士	Imperatorin, a furocoumarin from <i>Angelica hirsutiflora</i> , inhibits human neutrophils superoxide anion generation via a cAMP-dependent pathway	醫院藥師
林震宇	碩士	Oridonin inhibits survival of rat hepatic stellate cells	生技研發主管
張玟伊	碩士	Suppressive effect of GMC on human neutrophil functions	生技研發副研究員
賴俊學	碩士	Mechanism of thrombin on the expression of connective tissue growth factor in human hepatic stellate cells	公司主管
張雅雯	碩士	Anti-inflammatory effects of MVBR-28 in human neutrophils	藥廠研發主管
沈欣誼	碩士	Effect of ursolic acid on superoxide generation and elastase release in human neutrophils	藥廠研發主管
楊慧霖	碩士	Mechanism of TGF- β 1 on the expression of CTGF and type I collagen in hepatic stellate cells.	成大醫院藥師
柯宜伶	碩士	Suppressive effects of CLL V-1, a phenanthrene compound, on human neutrophil activation	醫院宣導部主任

褚孜琪	碩士	UFM24, a natural flavone, inhibits neutrophil activation via a cAMP-dependent pathway	醫藥代表
楊舜欽	碩士	Effect of 2,6-diisopropylphenol on formyl peptide receptor in human neutrophils	台北榮總醫師
黃吟婷	碩士	Anti-inflammatory effects of HCH6-1, a new dipeptide, by selectively blocking FPR1	學術研究助理
賴心慧	碩士	Suppressive effect of DSM-RX100 on human neutrophil activation	臨床試驗專員
方 瑤	碩士	The anti-inflammatory effects of <i>Perilla frutescens</i> extract in human neutrophils	保險業務主任
何俊廷	碩士	<i>Pinnigorgia</i> sp. extract induces apoptosis in hepatic stellate cells	程式工程師
陳宇琦	碩士	Effect of sorafenib on human neutrophil activations	生技業務代表
郭昱廷	碩士	The anti-inflammatory effect of FM-8, a small molecular compound isolated from <i>Aspergillus fumigatus</i> , in human neutrophils	博班學生
李映萱	碩士	Suppressive effects of C ₁₈ unsaturated fatty acids-encapsulated nanocarriers in neutrophil inflammation	學術研究助理
楊軒武	碩士	CYR5099 inhibits neutrophil respiratory burst and ameliorates inflammatory paw edema	服役
徐郁婷	碩士	Pharmacological studies of honokiol and dimethylhonokiol in human neutrophils	學術研究助理
楊荃卉	碩士	Research and Development of Novel Inflammasome Inhibitors	生技業務代表
楊舜欽	博士	Protective effects of bioactive natural products in neutrophilic inflammation	台北榮總醫師
郭亮鋒	博班	Pharmacological effects of cGMP in hepatic stellate cells	嘉義長庚醫師
高定一	博班	Anti-inflammatory effects of BV368, a natural compound from herbal medicine, in human neutrophils	林口長庚 中醫師
李炎東	博班	Effect of <i>Machilus philippinensis</i> Merr. in Neutrophils Inflammation	恩主公醫院 中醫師





