

澳門科技大學研究基金(FRG)項目(已完成) / Faculty Research Grant Projects (Finished)

項目編號 Project No.	項目名稱 Project Title	項目負責人 Project Leader
2012 年完成項目		
0199	紫草素/阿卡寧的氨基葡萄糖苷的合成及其 DNA G-四鏈體結合活性評價 Synthesis and G-quadruplex DNA-binding activities of glucosaminosides of Shikonin and Alkannin	姜志宏 Zhi-Hong Jiang
0205	ESI-TOF-MS 和 MALDI-TOF-MS 技術對黃烷醇和黃酮醇化合物與澱粉樣多肽(Aβ peptide)結合作用的比較研究 Comparative study of flavanols and flavonols binding to amyloid beta peptide by ESI-TOF-MS and MALDI-TOF-MS techniques	白麗萍 Li-Ping Bai
0206	人參達瑪烷二醇合成酶基因單核苷酸多態性 (SNP) 檢測方法的研究 Method development for detecting single nucleotide polymorphism from dammarenediol synthase gene of ginseng	周 華 Hua Zhou
0207	基於色譜-質譜聯用和核磁共振技術的分析-分離-分析方法的建立及在快速尋找土茯苓中落新婦苷類似物中的應用 Rapid screening flavanonol glycosides in Smilax glabra using combined LC, MS and NMR	伍健林 Jian-Lin Wu
0208	三種嶺南特色蓼屬中藥火炭母、杠板歸、和頭花蓼的表皮生長因數受體抑制活性成份研究 Study on epidermal growth factor receptor inhibitors in three Polygonum species	李 娜 Na Li
0209	篩選從中藥材提純的候選化合物來治療吉非替尼耐藥的非小細胞肺癌 Investigating candidate agents derived from Chinese medicinal herbs for treating Gefitinib-resistant non-small cell lung cancer (NSCLC)	梁麗嫻 Elaine Lai-Han Leung
0211	缺氧心肌線粒體動態變化螢光半定量分析方法的建立 Establishment of the semi-quantative method for fluorescence analysis in hypoxia cardiomyocyte mitochondrial dynamic	羅 培 Pei Luo
0212	研究蓮子心的自噬活性成份，甲基蓮心碱及其結構相類似化合物之分子機理，及用作為治療巴金森症候選化合物的應用可行性 The mechanistic study of the active compound, Neferine, as potential candidate agent for the treatment of neurodegenerative conditions	羅婉君 Betty Yuen-Kwan Law
0213	IKKb-IkBa-NF-kB 及 MAPK 信號通路在紫草素抑制人 T 細胞活化中的機制研究 Shikonin suppresses T lymphocyte activation through inhibition of IKKb-IkBa-NF-kB and MAPK signaling pathway	李 婷 Ting Li

0214	三七根不同藥用部位人參皂苷的定量比較及 UPLC-MS 指紋圖譜分析 Quantitative comparison and UPLC-MS profiling of different parts of Notoginseng root	王靜蓉 Jing-Rong Wang
0215	從生物鹼類化合物中篩選出具有細胞自體吞噬作用的候選抗癌藥物及對其藥效分子機理作初步探究 Identification of anti-tumor agents with autophagic effect from an alkaloid type compounds and study of its preliminary action mechanisms	黃錦偉 Vincent Kam-Wai Wong
<u>2013 年完成項目</u>		
0235	人參皂苷調控造血幹細胞功能及其分子機制研究 Effects and molecular mechanisms of Ginsenosides on haematopoietic stem cell function	陳惠賢 Polly Wai-In Chan
<u>2014 年完成項目</u>		
0269	新型納米給藥系統提高 BCS IV 類藥物口服吸收的研究 Investigation on new nano drug delivery systems to improve oral bioavailability of BCS class IV drugs	易 濤 Tao Yi
0270	用於抗腫瘤中藥作用機理研究的 PCR 陣列的建立及應用 Construction and application of PCR array in mechanism of action study of anti-cancer Chinese medicines	馬文哲 Wen-Zhe Ma
0271	胡椒鹼對水飛薊素藥物代謝動力學的影響 Effect of Piperine on the pharmacokinetics of Silymarin	謝 瑩 Ying Xie
0272	黃苓湯中黃酮類成分體內代謝過程的深入研究 In-depth study of metabolism of Flavonoids in Huangqin decoction	張 偉 Wei Zhang
0293	Investigating the efficacy of honokiol to reduce neurodegeneration in palmitic acid-treated SHSY5Y neuronal cells 厚朴酚對減少棕櫚酸引起的 SHSY5Y 細胞神經退化作用研究	何宛珊 Janice Yuen-Shan Ho
0299	基於調整腫瘤細胞代謝研發候選抗癌中藥新藥 Investigation on the novel candidate anti-cancer drug from Chinese herbal medicine by modulating metabolic profiles of cancer cells	梁麗嫻 Elaine Lai-Han Leung
0321	澳門地區慣用生鮮藥材的品種整理及資源保護研究 Study on the species and resource protection of fresh herbal medicine from Macau	張志鋒 Zhi-Feng Zhang
<u>2015 年完成項目</u>		
0381	多孔貴金屬納米材料用於疏水性抗腫瘤藥物輸送的研究 Application of porous noble metal nanomaterials for hydrophobic anticancer drug delivery	竺曉鳴 Xiao-Ming Zhu

<u>2016 年完成項目</u>		
0452	基於傷寒論類證病機的針灸處方設計方法研究 Research on the design approach of acupuncture moxibustion prescription for Analogous Syndromes in <i>Shang-Han-Lun</i> based on the formula-syndrome pathogenesis	陳 敏 Min Chen
<u>2017 年完成項目</u>		
FRG-16-004-SKL	Delineate the underlying mechanism of the melanogenesis induced by <i>Gynostemma pentaphyllum</i> 剖析絞股藍導致色素形成的機理	蕭文鸞 Wendy Wen-Luan Hsiao
FRG-16-036-SKL	Iodine content in local drinking water and food 澳門飲水和食品中碘含量測定	肖 穎 Ying Xiao
<u>2018 年完成項目</u>		
FRG-17-006-SP	Therapeutical effects of the novel derivatives of Leonurine on cardiac fibrosis and its molecular mechanisms 益母草碱類似物 ZYZ-168 抗心肌纖維化作用及機制研究	朱依諄 Yi-Zhun Zhu
<u>2019 年完成項目</u>		
FRG-17-050-SP	Synthesis and bio-assessment of novel Borane analogs of α -amino acids-based antihyperlipidemic drugs 新型硼類 α -氨基酸降血脂藥的合成與生物測試	朱應懷 Ying-Huai Zhu 2018/1/17 – 2019/1/16
FRG-18-002-SKL	The target and pathway studies of Chinese medicines using the whole genome molecular bar-coding library 以分子條碼標記全基因組敲除文庫為平臺研究中藥有效成分的作用靶標及通路	馬麗娟 Li-Juan Ma 2018/6/1 – 2019/5/31
FRG-18-003-SKL	The investigation of Orai-STIM calcium channel, and its modulator screening in Chinese traditional medicine Orai-STIM 鈣離子通道研究，以及中藥中尋找其調控劑	于海杰 Hai-Jie Yu 2018/6/1 – 2019/5/31
FRG-18-030-SKL	Whole genome location analysis of CARM1 and CARM1-mediated histone H3 arginine 17 methylation in embryonic stem cells CARM1 及其介導的組蛋白 H3 第 17 位精氨酸甲基化的在小鼠胚胎幹細胞中的全基因組定位分析	吳 强 Qiang Wu 2018/11/5 – 2019/11/4
FRG-18-031-SKL	Targeting metabolic checkpoint of immune cells to restore their anti-cancer activity. 靶向免疫細胞代謝來重塑抗腫瘤活性	范星星 Xing-Xing Fan 2018/11/5 – 2019/11/4

2020 年完成項目

FRG-19-003-SP	Preparations and evaluations of injectable Leunurine-loaded biodegradable microspheres 益母草碱可注射生物降解微球的製備與評價	王曉琳 Xiao-Lin Wang 2019/6/20 – 2020/6/19
FRG-19-009-FC	Cross-sectional study on dietary behaviors & TCM constitution of university students in Macao 澳門高校大學生膳食行為與中醫體質的現狀調查	于麗麗 Li-Li Yu 2019/6/20 – 2020/6/19
FRG-19-028-FC	Study on new TCM prescription of adjuvant PD-1 Mab for Non-Small Cell Lung Cancer (NSCLC) 新型輔助 PD-1 單抗治療非小細胞肺癌（NSCLC）的中藥古方研究	顏培宇 Pei-Yu Yan 2019/11/29 – 2020/11/28

2021 年完成項目

FRG-20-001-SKL	Research and development of natural product spray targeting the infection and fusion of CDVID-19 coronavirus 開發針對中和新型冠狀病毒感染及融入受體的天然噴霧劑	黃錦偉 Vincent Kam-Wai Wong 2020/4/1 – 2021/3/31
FRG-20-003-SKL	Application of novel T cell immunotherapy in the treatment of 2019-nCoV pneumonia 新型 T 細胞免疫療法在 2019-nCoV 肺炎治療中的應用	范星星 Xing-Xing Fan 2020/4/1 – 2021/3/31
FRG-20-004-SKL	Gold coated magnetic particles loaded double-strand specific nuclease probe for amplified miRNA detection in T-lymphocyte responses to COVID-19 構建一種雙鏈特异性核酸酶金磁探針用於新型冠狀病毒感染 T 淋巴細胞源 miRNA 的放大檢測	羅培 Pei Luo 2020/4/1 – 2021/3/31
FRG-20-016-SKL	黃芪多糖調節腸骨軸治療類風濕性關節炎的機制研究 Study on the mechanism of Astragalus polysaccharide in treating Rheumatoid arthritis via modulation of gut-bone axis	潘胡丹 Hu-Dan Pan 2020/6/16 – 2021/6/15
FRG-20-026-MISE	AI 輔助天然抗病毒氣溶膠的設計及作用機制分析 AI aided Chinese medicine design for 2019-nCoV	梁 勇 Yong Liang 2020/10/8 – 2021/10/7