

() / **FDCT Projects (In Progress)**

Project No.	Project Title	Project Leader
<u>2016</u>		
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<u>2017</u>		
103/2016/A3		Wendy Wen-Luan Hsiao
		Ying Xie
		Christopher Wai-Kei Lam
<u>2018</u>		
125/2017/A3	Effects and mechanisms of prophylactic Cordyceps sinensis and the active ingredients in preventing chronic obstructive pulmonary disease and its acute exacerbation	Nan-Shan Zhong
129/2017/A3		Guo-An Luo

130/2017/A3

	Caveolin-1 Exosomes	
0093/2018/A3	Overexpressing Caveolin-1 and active compounds of chinese medicines loaded exosomes derived from mesenchymal stem cells modulate blood-brain barrier permeability after ischemic stroke	
0096/2018/A3	PD1 Modulation of gut microbiota to enhance efficacy of anti-PD1 immunotherapy in non-small cell lung cancer	Elaine Lai-Han Leung
0099/2018/A3	TKIs The role of autophagy in TKIs-resistant NSCLC and the effects and mechanisms of Elemene in overcoming resistance	Qi-Biao Wu
<u>2019</u>		
0094/2018/A3	Biomarkers screening and molecular classification method for precise diagnosis and treatment in rheumatoid arthritis	Zhan-Guo Li
0004/2019/A1	siRNA Construction of alkaline sphingomyelin-based cationic liposome and its application in co-delivery of siRNA and chemotherapy drug	Li-Ping Bai
0013/2019/A1	IDH1 WM17 APTM Antiglioma effects and mechanisms of action of novel mutant IDH1 inhibitors WM17 and APTM	Wen-Zhe Ma
0020/2019/A1	PD-L1 PD-1 The role of calcium channels on secretion of PD-L1 containing exosomes and drug resistance of PD-1 immunotherapy in lung cancer	Hai-Jie Yu
0006/2019/A	Preventive effects of flavonoids from Astragali radix against metabolic memory in diabetes based on co-metabolism between Chinese medicines and gut microbiota	You-Hua Xu
0008/2019/A	TGF- TGF- factors from Lindera aggregata and their molecular mechanism	Guo-Yuan Zhu
0010/2019/A	The effect of ginger on the proliferation apoptosis and migration of colon cancer cells and its mechanism	Min Chen
0067/2019/A2	X LXR MDSC Mechanism investigation of the rheumatoid arthritis suppression effect by the liver X receptors antagonist: Targeting MDSC immunometabolism	Ying Xie

0072/2019/A2	PATZ1 Investigating the molecular mechanism of regulation of hESC pluripotency and inhibition of cancer cell proliferation by PATZ1	Qian Wu
0077/2019/A2	Synergistic antitumor activity of 5-fluorouracil in colorectal cancer based on the targeted-regulation of nucleotide metabolism	Wei Zhang
0082/2019/A2	chemerin Application of targeted quantitative proteomics strategy in accurate analysis of chemerin isoforms in different diseases as well as in screening and validating of active components from TCM in treating polycystic ovarian syndrome rats	Zhi-Hong Jiang
0083/2019/A2	Neutrophil membrane-coated biomimetic nanoplatfrom for targeted treatment of ischemic stroke	Xiao-Lin Wang
<u>2020</u>		
0052/2020/A	Hydrogen sulfide in coronary pneumonia and its anti-inflammatory and immunomodulatory effects	Yi-Zhun Zhu
0066/2020/A	Research on the antiviral nasal agent based on the combination of effective fractions of traditional Chinese medicines	Jing-Rong Wang
0157/2019/A3	Research of natural allosteric modulators for coronary heart disease treatment based on a novel tandem affinity screening strategy	Pei Luo
0158/2019/A3	Analysis of mult-omics big data based on weighted mapping deep learning methods for diagnosis of complex disease subtypes	Yong Liang
0168/2019/A3	B Cathepsin B inhibitors for chemosensitization of proteasome inhibitors	Xiao-Ming Zhu

SM-Cer/Sph-S1P

0172/2019/A3

0011/2020/A1	Effects and molecular mechanisms of Leonurine on reducing blood viscosity, thrombocyte adhesion and inflammation in hyperlipidemia	Fan-Yi Zeng
0036/2020/A1	Li-Fraumeni The role and mechanism of action of statins in cancer prevention of Li-Fraumeni syndrome	Wen-Zhe Ma
0096/2020/A	1,2,3- NCP, Covid-19 Synthesis of novel 1,2,3-triazole based antimalarial derivatives for their potential activity against Novel Coronavirus Pneumonia (NCP, Covid-19)	Paolo-Saul Coghi
<u>2021</u>		
0058/2020/A2	PKC T A new strategy for treating rheumatoid arthritis: Targeting PKC to stimulate regulatory T cells and restore immune homeostasis	Xing-Xing Fan
0065/2020/A2	Development of an on-site rapid detector for coronavirus aerosol and its application	Zhi-Hong Jiang
0067/2020/A2	Study on organic components changes in Pu-erh raw tea fermentation and bioactive diversity	Ying Xiao
0111/2020/A3	PD1/PDL1 Investigation of the combinational treatment effect of new form of ginseng polysaccharides with anti-PD1/PDL1 immunotherapy for treatment of lung cancer	Elaine Lai-Han Leung
0114/2020/A3	3CL Development of new drug candidates targeting 3CL protease of COVID-19	
0122/2020/A	Construction of antibody microarrays for rapid screening of anti-inflammatory active ingredients of fresh Smilax Glabra	Zhi-Feng Zhang
0123/2020/A	4 Anti-inflammatory effects of free fatty acid receptor 4 during inflammation in the perivascular adipose tissue	Xin-Zhi Li
0011/2021/A	" "	Pei-Yu Yan
0020/2021/A	Development of an immunogenomic and metastatic risk score model for predicting prognosis and therapy of breast cancer	Chen Huang

0031/2021/A		Wei-De Zhong
0022/2021/A1		Nan-Shan Zhong
0025/2021/A1	" "	Jian-Lin Wu
0048/2021/A1		Hui Mo
0053/2021/A1		Xin-Zhi Li
0062/2021/A2		Hai-Jie Yu
0098/2021/A2		Qi-Biao Wu
0108/2021/A2		
0088/2021/A	ZYZ-802 The role and mechanism of action of the novel compound ZYZ-802 discovered from garlic in papillary thyroid cancer	Zhang, Xin
0089/2021/A	S- S-propargyl-cysteine (SPRC) in the treatment of schizophrenia and its molecular mechanism	The effect of Zhou, Na
0093/2021/A	Study on a herbal compound applied to hair darkening products	Law, Yuen Kwan
<u>20022</u>		
0035/2022/A1		Xiao-Ming Zhu

