

THE UNIVERSITY OF HONG KONG  
LI KA SHING FACULTY OF MEDICINE

ITF - Partnership Research Programme (PRP)\*

\* The UICP and the collaborative stream of the ITSP have been merged and is named as the Partnership Research Programme (PRP) in January 2019.

**2020**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Dr P Cao	Diagnostic Radiology	Development of super-resolution bioimaging method for the wrist: from portable wristband EIT to detailed MRI wrist anatomy	176,640
Professor KWK Yeung	Orthopaedics and Traumatology	Development of near-infrared sensitive photothermal aerogels for potential applications	1,989,500

**2019**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Dr KWH Chiu	Diagnostic Radiology	Development of a Deep Learning Algorithm Capable of Radiologist-level Detection and Characterisation of Liver Cancers on Magnetic Resonance Imaging	370,249
Dr DW Chan	Obstetrics and Gynaecology	Using Genome-wide DNA Methylome Profiling to Analyze Cisplatin-resistance in Human Ovarian Cancers	3,725,364

**2018**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Professor Z Chen	Microbiology	A Novel PD1-based Vaccine for HIV/AIDS Immunotherapy	11,998,825

**2017**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Dr Y Zhang	Chinese Medicine	The Pharmacological Effect and Mechanisms Study on Dendrobium Officinale - Yuye Decoction (DOY) to Improve Diabetic Nephropathy	759,151
Professor PKH Tam	Dr. Li Dak-Sum Research Centre	Establishment of New Treatment Strategy for Neurological Diseases Using Patient Specific Induced Pluripotent Stem Cells and High-resolution Single Cell Sequencing	7,599,200
Professor PKH Tam	Dr. Li Dak-Sum Research Centre	Advancing Diagnosis and Treatment of Two Liver Diseases, Alagille Syndrome and Biliary Atresia, by Organoid and Single Cell Transcriptome Analysis	7,798,615

**2016**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Professor J Shen	Chinese Medicine	Evaluating the neuroprotective effect and safety of An-Gong-Niu-Huang Wan and its ingredients in ischemic stroke	2,486,121
Professor GCF Chan	Paediatrics & Adolescent Med	Automated bioreactors for expanding and monitoring mesenchymal stem cells	7,648,700

**2015**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Dr J Chen	Chinese Medicine	Development of tea bag YH0618, an herbal dietary supplement against chemotherapy-induced toxicity	806,540
Professor ML Lung	Clinical Oncology	Regulation and Clinical Implication of PD-L1 Expression in Esophageal Tumor Cells subjected to Chemotherapy	2,259,600
Professor A Xu	Medicine	Development of innovative chemiluminescent immunoassays for diabetes and its cardiovascular complications	3,475,268
Dr S Yuan	Microbiology	Development of Anti-influenza Agents Targeting Influenza Virus RNA Polymerase	2,600,000

**2014**

<b>Principal Applicant</b>	<b>Department/School/Centre</b>	<b>Project Title</b>	<b>Approved Amount (HK\$)</b>
Dr TCC Yau	Medicine	A Phase II study of the safety and efficacy of PEG-BCT-100 combined with capecitabine/oxaliplatin in patients with advanced hepatocellular carcinoma (Part I)	4,628,440

**2013**

<b>Principal Applicant</b>	<b>Project Title</b>	<b>Department/School/Centre</b>	<b>Approved Amount (HK\$)</b>
Professor B Zheng	Microbiology	Development of Antiviral Peptides against Infections of Influenza Virus and Other Respiratory Viruses	1,720,000

**2012**

<b>Principal Applicant</b>	<b>Project Title</b>	<b>Department/School/Centre</b>	<b>Approved Amount (HK\$)</b>
Professor B Zheng	Microbiology	Development of Antiviral Agents based on Small RNA Containing Unique Motif	6,434,000