

**LI KA SHING FACULTY OF MEDICINE  
THE UNIVERSITY OF HONG KONG**

**Projects Supported under National Natural Science Foundation of China (NSFC) Scheme**

**2014**

<b><u>No</u></b>	<b><u>Department/School</u></b>	<b><u>Name</u></b>	<b><u>Project Title</u></b>	<b><u>Project Category</u></b>	<b><u>Amount Approved (RMB)</u></b>
1	Anatomy	Dr ALM Cheung	Identification of miR-29c/FBXO31 as a key regulatory mechanism in esophageal cancer chemoresistance-functional validation and implication for therapy	General Program	740,000
2	Biochemistry	Dr EYM Wong	The function of Eya1 in cilia mediated progressive hearing loss	Young Scientists Fund	230,000
3	Medicine	Dr King-yip Cheung	The adaptor protein APPL2 as a physiological modulator of pancreatic $\beta$ -cell functions in mice	General Program	730,000
4	Medicine	Professor CS Chim	Mechanism study of the effect of microenvironment on RANKL expression in myeloma cells	General Program	750,000
5	O&G	Dr Wai Chan	The mechanism and significance of ovarian cancer cells in modulating AMPK and TNF $\alpha$ signaling cascade in omental metastasis	General Program	750,000
6	O&G	Professor WSB Yeung	The conserved functions of let-7 in embryonic diapause	General Program	850,000
7	Pathology	Prof Lu Liwei	Role of B cells in the pulmonary anti-viral immune response	Major Research Plan	900,000
8	Surgery	Professor Man Kwan	Role of hepatic oval cells in small-for-size fatty liver graft injury and their regulatory mechanism	General Program	730,000

**2013**

<b>No</b>	<b>Department/School</b>	<b>Name</b>	<b>Project Title</b>	<b>Project Category</b>	<b>Amount Approved (RMB)</b>
1	Anatomy	Dr Feng Wanjuan	PALB2-PLK1 in cell cycle checkpoint regulation	Young Scientists Fund	230,000
2	Biochemistry	Dr Fu Chuanhai	Molecular mechanisms regulating the interactions between mitochondria and the microtubule cytoskeleton	Young Scientists Fund	200,000
3	Biochemistry	Dr Zhou Zhongjun	Critical epigenetic changes and important signaling pathways in aging [Collaborator: 北京大学]	Key Program	2,900,000
4	Anatomy	Dr Ma Kwai Yee	The significance of DNMT3a/DNMT3b in tumor initiation of CD133+ cancer stem cells driven hepatocellular carcinoma	Young Scientists Fund	230,000
5	Diagnostic Radiology	Dr Huang Bingsheng	Application of molecular imaging in treatment monitoring and prognosis of nasopharyngeal carcinoma: the role of dynamic PET-CT [Collaborator: 中山大学/深圳市南山区西丽人民医院]	Young Scientists Fund	230,000
6	Pharmacology and Pharmacy	Dr Ye Dewei	Role of lipocalin-2 in the pathogenesis of obesity-related nonalcoholic steatohepatitis	Young Scientists Fund	230,000
7	Medicine	Dr Hui Xiaoyan	SIRT1 in regulating adipose tissue inflammation and systemic insulin sensitivity: from physiological relevance to molecular mechanisms	Young Scientists Fund	230,000
8	Medicine	Dr Chan Yuk Cheung	The causative role of perivascular adipose miR-34a in obesity-related FGF21 resistance and endothelial dysfunction	Young Scientists Fund	230,000
9	Medicine	Dr Mak Choi Wo	Therapeutic Potential of Human Induced Pluripotent Stem Cell-derived Mesenchymal Stem Cells (hiPSC-MSCs) on oxidative stress-induced	General Program	700,000
10	O&T	Dr Leung Yu Leong	Investigating the contribution of myofibroblast activity in intervertebral disc fibrosis and its implication to disc [Collaborator: 中山大学]	General Program	700,000
11	Pathology	Dr Lin Xiang	Immune Responses Regulated by Th17 Cells in Experimental Sjogren's Syndrome	Young Scientists Fund	230,000
12	Pathology	Prof Lu Liwei	Leptin regulates plasma cell generation and survival in autoimmune arthritis	General Program	700,000

<u>No</u>	<u>Department/School</u>	<u>Name</u>	<u>Project Title</u>	<u>Project Category</u>	<u>Amount Approved (RMB)</u>
13	Physiology	Prof Hao Quan	Investigation of pathogenesis mechanism of two infectious fungi <i>Penicillium marneffeii</i> and <i>Aspergillus fumigatus</i>	General Program	800,000
14	Physiology	Dr Chen Jenghaur	Investigating the molecular mechanisms how $\Delta F508$ mutation delays phosphorylation-dependent CFTR activation	General Program	700,000
15	Psychiatry	Dr Li Qi	Effects of Sert gene silencing in utero on the development of neurocortical pyramidal neuron	Young Scientists Fund	230,000
16	Surgery	Dr Wong Thian Sze	The association between EBV-encoding microRNA BART7 and radiation sensitivity in nasopharyngeal carcinoma and the underlying mechanism	Young Scientists Fund	230,000

## 2012

<u>No</u>	<u>Department/School</u>	<u>Name</u>	<u>Project Title</u>	<u>Project Category</u>	<u>Amount Approved (RMB)</u>
1	Biochemistry	Dr NG Ming Him	Roles of Miro-Milton mitochondrial motility complex in the modulation of innate antiviral immunity	Science Fund for Young Scholars	200,000
2	Biochemistry	Dr TANG Hei Man	Molecular and genetic analysis of newly identified yeast ferredoxin Apd1p and its interaction with peroxiredoxin Tsa1p	Science Fund for Young Scholars	250,000
3	Biochemistry	Dr HUANG Wei	Systems and synthetic biology of mesenchymal cell aggregation and pattern formation	General Program	150,000
4	Biochemistry	Dr FU Chuanhai	Systematic investigation of the roles of mitotic kinesins in spindle dynamics [Collaborator: 中國科學技術大學]	General Program	800,000
5	Biochemistry	Dr ZHOU Zhongjun	MT1-MMP regulates neural stem cells self-renewal and differentiation via Notch signaling	General Program	800,000
6	Biochemistry	Dr SONG You Qiang	Investigation on Pax6 regulation of neuronal apoptosis in Alzheimer's disease [Collaborator: 國家人口計生委科學技術研究所]	General Program	700,000
7	Biochemistry	Dr KOK Kin Hang	Mechanistic study of the roles of PACT in MDA5-mediated innate antiviral immunity	General Program	600,000

<b>8</b>	Medicine and Ophthalmology	Dr LIAN Qi Zhou	The Roles and Mechanisms of RAPI/NFkb signaling pathway in MSC-induced immunomodulation for organ transplantation [Collaborator: 廈門大學]	General Program	700,000
<b>9</b>	Medicine	Dr WONG Chi Ming	Coupling of nuclear RNA surveillance with splicing	General Program	800,000
<b>10</b>	Medicine	Dr HOO Lai Chong	The inter-relationship between A-FABF, endoplasmic reticulum stress and autophagy in the pathogenesis of obesity-induced inflammation	General Program	700,000
<b>11</b>	Pathology	Dr NG Kit	Functional role of Bmi-1 in hematopoietic stem cell	Science Fund for Young Scholars	230,000
<b>12</b>	Pathology	Dr LEE Kin Wah	The role of cathepsin S (CTSS) and efficacy of CTSS targeted therapy in CD47+ tumor initiating cells-driven hepatocellular carcinoma	General Program	700,000
<b>13</b>	Physiology	Dr CHEUNG King Ho	Characterization of calcium dysregulation in Presenilin-1 mutation-associated familial Alzheimer's disease in Chinese pedigree	Science Fund for Young Scholars	230,000
<b>14</b>	Chinese Medicine	Dr SHEN Jian Gang	Roles of peroxynitrite in regulating neurogenesis and its related signal mechanisms in post-ischemia/hypoxic brains	General Program	800,000
<b>15</b>	Pharmacology and Pharmacy	Dr TANG Hoi Ching	Telomere-independent Rap1 contributes to inflammation during atherosclerosis	General Program	750,000