

THE UNIVERSITY OF HONG KONG
LI KA SHING FACULTY OF MEDICINE

**Joint Educational Placement for PhD: University of Toronto (UofT)
List of Intending Supervisors and Research Interests/Topics**

Department/School	Name of Faculty Members in HKU	Research Interests/Topics	Potential Joint Supervisor(S) in KCL	Collaborative Projects
Department of Diagnostic Radiology	Dr Ming-Yen Ng	<ul style="list-style-type: none"> • Cardiac MRI in congenital heart disease • Cardiac MRI and diabetes • Cardiac CT 	<ul style="list-style-type: none"> • Professor Bernd Wintersperger, Department of Medical Imaging, Toronto General Hospital • Dr Rachel Wald, Department of Cardiology, Toronto General Hospital • Dr Andrew Yan, Department of Medicine, St. Michael's Hospital 	<p>Current:</p> <ul style="list-style-type: none"> • CORRELATE Study • Diabetes and Cardiac MRI <p>Selected Past Projects:</p> <ul style="list-style-type: none"> • Cardiac MRI studying right ventricular remodelling and nocturnal haemodialysis patients • Randomised controlled trial of music in cardiac CT patients
Department of Microbiology	Professor Zhiwei Chen	<ul style="list-style-type: none"> • HIV/AIDS mucosal vaccine and pathogenesis • Engineering of recombinant neutralizing monoclonal antibodies against HIV/AIDS 	Collaborator(s) to be identified	
Department of Orthopaedics and Traumatology	Professor Kenneth MC Cheung	<ul style="list-style-type: none"> • Genetics and molecular pathogenesis of intervertebral disc degeneration • Genetics and molecular pathogenesis of scoliosis • Spinal cord regeneration and rehabilitation • Clinical studies related to spinal deformities 	Collaborator(s) to be identified	

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Department of Orthopaedics and Traumatology	Professor William W Lu	<ul style="list-style-type: none"> Biomaterials, cell biology medical implant and device 	Collaborator(s) to be identified	
	Dr Kelvin WK Yeung	<ul style="list-style-type: none"> Orthopaedic biomaterials Musculoskeletal tissue engineering thru biomaterial approach 3D bio-printing Metal ions assisted bone tissue regeneration 	Collaborator(s) to be identified	
Department of Paediatrics and Adolescent Medicine	Dr Siu-Yuen Chan	<ul style="list-style-type: none"> Genetic control of development and cancer using mouse models 	Professor Chi-Chung Hui Program in Developmental and Stem Cell Biology The Hospital for Sick Children and Department of Molecular Genetics University of Toronto, Canada	
	Dr Brian HY Chung	<ul style="list-style-type: none"> Clinical genetics 	Collaborator(s) to be identified	
	Dr Pamela PW Lee	<ul style="list-style-type: none"> Immunology 	Collaborator(s) to be identified	
	Dr James CB Li	<ul style="list-style-type: none"> The role of mesenchymal stem cell in diseases pathogenesis and potential therapeutic use Molecular pathogenesis of infectious diseases and drug resistant pathogens (HIV, tuberculosis, influenza, MRSA) Mechanism of action of herbal medicine and identification of bioactive component 	Collaborator(s) to be identified	
	Professor Wenwei Tu	<ul style="list-style-type: none"> Viral Immunology 	Collaborator(s) to be identified	
	Dr Wanling Yang	<ul style="list-style-type: none"> Genetics and bioinformatics 	Collaborator(s) to be identified	

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Department of Psychiatry	Professor Pak C Sham	<ul style="list-style-type: none"> • Statistical genetics • Human genetics 	<ul style="list-style-type: none"> • Dr Jo Knight, Department of Psychiatry • Dr Jim Kennedy, Department of Psychiatry • Dr Cathy Barr, Department of Psychiatry 	
Department of Surgery	Dr Elly SW Ngan	<ul style="list-style-type: none"> • Neural crest biology • Neuroblastoma 	<ul style="list-style-type: none"> • Professor Chi-Chung Hui, Department of Molecular Genetics • Professor David Kaplan, Department of Molecular Genetics 	<p>Current:</p> <ul style="list-style-type: none"> • Roles of Su(Fu) and Kif7 in enteric nervous system development • Neuroblastoma tumor initiating cells <p>Past:</p> <ul style="list-style-type: none"> • Hedgehog-Notch induced pre-mature gliogenesis in Hirschsprung's disease
School of Biomedical Sciences	Dr Raymond CC Chang	<ul style="list-style-type: none"> • Molecular mechanisms of neurodegeneration 	Collaborator(s) to be identified	
	Professor Dong-Yan Jin	<ul style="list-style-type: none"> • Innate antiviral immunity • Viral oncogenesis 	Collaborator(s) to be identified	

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School of Biomedical Sciences	Professor Mai-Har Sham	<ul style="list-style-type: none"> Developmental genetics and stem cell biology 	<ul style="list-style-type: none"> Professor Chi-Chung Hui, Department of Molecular Genetics Dr Andras Nagy, Department of Molecular Genetics Dr Sabine Cordes, Department of Medical Genetics & Microbiology 	
	Dr You-Qiang Song	<ul style="list-style-type: none"> Molecular medicine and human genetics 	<ul style="list-style-type: none"> Dr Stephen Scherer, McLaughlin Centre for Molecular Medicine Professor Benjamin Blencowe, Department of Molecular Genetics Dr Anne-Claude Gingras, Department of Molecular Genetics Dr Philip Kim, Department of Molecular Genetics Professor Peter St George-Hyslop, Department of Medicine 	
	Dr Nai-Sum Wong	<ul style="list-style-type: none"> Cellular signaling Mechanism involved in responses to stress 	Collaborator(s) to be identified	
	Dr Kwok-Ming Yao	<ul style="list-style-type: none"> Stem cell pluripotency and genome stability Regulation of hedgehog signaling and neural development 	Professor Chi-Chung Hui , Department of Molecular Genetics	

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School of Biomedical Sciences	Professor Zhong-Jun Zhou	<ul style="list-style-type: none"> • Ageing • Chromatin remodeling • DNA Repair 	Collaborator(s) to be identified	
School of Chinese Medicine	Professor Jiangang Shen	<ul style="list-style-type: none"> • Molecular regulations of blood brain barrier in ischemic brain injury • Molecular targets for promoting neurogenesis of post-stroke • Drug discovery from herbal medicine for promoting neurogenesis and neuroprotection 	<ul style="list-style-type: none"> • Professor Zhong-Ping Feng, Department of Physiology • Professor Hong-Shuo Sun, Department of Surgery, Institute of Medical Science 	<ul style="list-style-type: none"> • Studies of neurogenesis
School of Nursing	Dr Daniel YT Fong	<ul style="list-style-type: none"> • Health impacts of environmental noise • Quality of life • Adolescent idiopathic scoliosis 	Collaborator(s) being identified	
	Dr William HC Li	<ul style="list-style-type: none"> • Child and adolescent care, in particular children with cancer and childhood cancer survivors • Smoking cessation 	Collaborator(s) being identified	
	Professor Chia-Chin Lin	<ul style="list-style-type: none"> • Cancer nursing • Symptom management • Physical activity • Palliative care • Long term care 	Collaborator(s) being identified	

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