

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	
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	

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Department of Orthopaedics and Traumatology	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	
	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	
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 	

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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	
	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 	

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School of Biomedical Sciences	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	
	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	

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School of Nursing	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	

July 19, 2019