

THE UNIVERSITY OF HONG KONG  
LI KA SHING FACULTY OF MEDICINE

**Joint PhD: King's College London (KCL)**  
**List of Intending Supervisors and Research Interests/Topics**

Department/School	Faculty Members in HKU	Research Interests/Topics	Potential Joint Supervisor(S) in KCL	Collaborative Projects
Department of Medicine	<a href="#">Professor Bernard MY Cheung</a>	<ul style="list-style-type: none"> <li>• Clinical pharmacology, cardiovascular risk factors, hypertension, vasoactive peptides</li> </ul>	<a href="#">Professor Albert Ferro</a> , Cardiovascular Division	
Department of Microbiology	<a href="#">Professor Zhiwei Chen</a>	<ul style="list-style-type: none"> <li>• HIV/AIDS mucosal vaccine and pathogenesis</li> <li>• Engineering of recombinant neutralizing monoclonal antibodies against HIV/AIDS</li> </ul>	Collaborator(s) being identified	
Department of Obstetrics and Gynaecology	<a href="#">Professor Hextan YS Ngan</a>	<p>Biomolecular and clinical studies in gynaecological cancers:</p> <ul style="list-style-type: none"> <li>• Biomolecular studies including the role of p53 and Human Papilloma Virus (HPV), the function of p73 and its binding proteins in relation to radio- and chemo-sensitivity of gynaecological cancers, epidemiological and genetic studies of HPV infection in cervical precancerous lesions and cancers, epigenetic studies of some oncogenes and tumour suppressor genes, risk association study of single nucleotide polymorphism (SNPs) of tumour suppressor and oncogenes, prognostic significance of plasma DNA detection, some signaling pathways in association of gynaecological cancers, such as Wnt, ERK and Hedgehog pathways, traditional Chinese Medicine in supportive cancer treatment, serum tumour markers and drug trials.</li> <li>• Cervical cancer screening including HPV prevalence and test trial, HPV education and vaccine, cervical cancer prevention, cytology and colposcopy studies.</li> <li>• Psychosocial studies of patients and relatives in patients with gynaecological</li> </ul>	Collaborator(s) being identified	

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		cancers, quality of life, psychosocial and psychosexual studies.		
Department of Orthopaedics and Traumatology	<a href="#">Professor Kenneth MC Cheung</a>	<ul style="list-style-type: none"> <li>Genetics and molecular pathogenesis of intervertebral disc degeneration</li> <li>Genetics and molecular pathogenesis of scoliosis</li> <li>Spinal cord regeneration and rehabilitation</li> <li>Clinical studies related to spinal deformities</li> </ul>	Collaborator(s) to be identified	
	<a href="#">Dr Kelvin WK Yeung</a>	<ul style="list-style-type: none"> <li>Orthopaedic biomaterials</li> <li>Musculoskeletal tissue engineering through biomaterial approach</li> <li>3D bio-printing</li> </ul> Metal ions assisted bone tissue regeneration	Collaborator(s) to be identified	
Department of Paediatrics and Adolescent Medicine	<a href="#">Dr Siu-Yuen Chan</a>	<ul style="list-style-type: none"> <li>Genetic control of behaviour using mouse models</li> </ul>	<a href="#">Dr Gráinne McAlonan</a> Deputy Head of Department Forensic and Neurodevelopmental Science	
	<a href="#">Dr Brian HY Chung</a>	<ul style="list-style-type: none"> <li>Clinical genetics</li> </ul>	Collaborator(s) to be identified	
	<a href="#">Dr Pamela PW Lee</a>	<ul style="list-style-type: none"> <li>Immunology</li> </ul>	Collaborator(s) to be identified	
Department of Paediatrics and Adolescent Medicine	<a href="#">Professor Wenwei Tu</a>	<ul style="list-style-type: none"> <li>Viral immunology</li> </ul>	Collaborator(s) to be identified	
	<a href="#">Dr Wanling Yang</a>	<ul style="list-style-type: none"> <li>Genetics and bioinformatics</li> </ul>	<a href="#">Professor Timothy Vyse</a> , Genetics and Molecular Medicine	
Department of Pathology	<a href="#">Professor Liwei Lu</a>	<ul style="list-style-type: none"> <li>Immunology: Lymphocyte development and autoimmunity</li> </ul>	Collaborator(s) being identified	

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Department of Pharmacology and Pharmacy	<a href="#">Dr Jenny KW Lam</a>	<ul style="list-style-type: none"> <li>Development of smart biomaterials (e.g. pH responsive polymer/peptide) for delivery of therapeutic nucleic acid</li> <li>Development of nanomedicines to improve oral delivery of biologics</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Dr James Mason</a>, Institute of Pharmaceutical Science</li> <li><a href="#">Dr Driton Vllasaliu</a> Institute of Pharmaceutical Science</li> <li><a href="#">Professor Jayne Lawrence</a>, Pharmaceutical Science Division</li> </ul>	
Department of Psychiatry	<a href="#">Professor Pak C Sham</a>	<ul style="list-style-type: none"> <li>Genetics of psychiatric disorders</li> <li>Statistical methodology for genetic studies</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Professor Robin Murray</a></li> <li><a href="#">Professor Cathryn Lewis</a></li> <li><a href="#">Dr Marta de Forti</a></li> <li><a href="#">Dr Gerome Breen</a></li> <li><a href="#">Dr Paul O'Reilly</a> Social, Genetic, Developmental Psychiatry Research Centre</li> </ul>	
Department of Surgery	<a href="#">Professor Gilberto KK Leung</a>	<ul style="list-style-type: none"> <li>Genetics of chemo-resistance in malignant glioma</li> <li>Modifications of brain cells' response to surgical trauma</li> </ul>	Collaborator(s) being identified	
	<a href="#">Dr Kenneth KY Wong</a>	<ul style="list-style-type: none"> <li>Nanomedicine &amp; nanobiotechnology</li> <li>Wound healing and regeneration</li> <li>Short bowel syndrome/Parenteral nutrition associated liver disease</li> </ul>	Collaborator(s) being identified	

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School of Biomedical Sciences	<a href="#">Dr Raymond CC Chang</a>	<ul style="list-style-type: none"> <li>• Neurodegeneration of Alzheimer's disease, Parkinson's disease and glaucoma</li> <li>• Neuroimmunology of microglia and astrocytes</li> <li>• Herbal medicine and food extract as neuroprotective agents</li> <li>• Risk factors for neurodegeneration</li> </ul>	Collaborator(s) being identified	
	<a href="#">Professor Zhongjun Zhou</a>	<ul style="list-style-type: none"> <li>• Aging</li> <li>• Chromatin remodeling</li> <li>• DNA repair</li> </ul>	Collaborator(s) to be identified	
School of Chinese Medicine	<a href="#">Professor Zhangjin Zhang</a>	<ul style="list-style-type: none"> <li>• Seeking novel psychotropic agents and developing alternative strategies from traditional Chinese medicine and acupuncture to treat major psychiatric disorders, including depression, anxiety, cognitive disorders, drug addiction, and schizophrenia through basic and clinical studies</li> <li>• Herb-drug interactions and neural basis of acupuncture</li> </ul>	Collaborator(s) being identified	
School of Nursing	<a href="#">Dr Daniel YT Fong</a>	<ul style="list-style-type: none"> <li>• Health impacts of environmental noise quality of life</li> <li>• Adolescent idiopathic scoliosis</li> </ul>	Collaborator(s) being identified	
	<a href="#">Dr William HC Li</a>	<ul style="list-style-type: none"> <li>• Child and adolescent care, in particular children with cancer and childhood cancer survivors</li> <li>• Smoking cessation</li> </ul>	Collaborator(s) being identified	
	<a href="#">Professor Chia-Chin Lin</a>	<ul style="list-style-type: none"> <li>• Cancer nursing</li> <li>• Symptom management</li> <li>• Physical activity</li> <li>• Palliative care</li> <li>• Long term care</li> </ul>	Collaborator(s) being identified	