

Potential Supervisors list of the UM-Institute of Cancer and Basic Medicine, CAS Joint PhD Programmes for AY 2021/2022
2021/2022學年澳門大學-中國科學院腫瘤與基礎醫學研究所博士生聯合培養計劃導師名單

University of Macau 澳門大學				Institute of Cancer and Basic Medicine, CAS 中國科學院腫瘤與基礎醫學研究所	
Academic Unit 學術單位	Specialization 專業範疇	Supervisor 導師	Research Area 研究方向	Supervisor 導師	Research Area 研究方向
Faculty of Health Sciences 健康科學學院	Biomedical Sciences 生物醫藥	Prof. Hanming SHEN 沈漢明	Cancer Cell Biology, Autophagy and Mitophagy and Cancer metabolism	Prof. Ren LAI 賴仞	天然藥物活性物質的抗腫瘤小分子藥物開發、腫瘤的發病機理研究及其在腫瘤防治中的應用
		Prof. Guokai CHEN 陳國凱	Lineage-specific differentiation from human embryonic stem cells, Metabolic regulation in stem cells, Biotechnology development in stem cells	Prof. Weihong TAN 譚蔚泓	功能核酸藥物、靶向核素成像、智慧藥物等研究和臨床應用；腦腫瘤靶向藥物、納米藥物研發等；生物治療、細胞分子免疫學等相關研究
				Prof. Dawei MA 馬大為	針對特殊靶點如G蛋白偶連受體、蛋白激酶、蛋白水解酶和細胞凋亡過程的小分子調節劑的發現；有機合成方法學的發展和其在合成生物活性分子中的應用
		Prof. Edwin Chong Wing CHEUNG 張仲榮	Nuclear Hormone Signaling, Cancer, Sequencing, Estrogen and Androgen	Prof. Weihong TAN 譚蔚泓	功能核酸藥物、靶向核素成像、智慧藥物等研究和臨床應用；腦腫瘤靶向藥物、納米藥物研發等；生物治療、細胞分子免疫學等相關研究
		Prof. Ren-he XU 徐仁和	Stem Cells and Development, Human Pluripotent Stem Cells and Derived Mesenchymal Stem Cells, Stem Cell-based Engineering and Therapy	Prof. Juan LI 李娟	生物成像、生物材料和腫瘤免疫治療的研究工作，期望為化學、生命、醫學等學科提供先進的研究工具
		Prof. Kin Yip TAM 譚建業	Small Molecule Inhibitors Development, Cancer Metabolism, Alzheimer's disease, High Throughput Compound Profiling and Pharmacokinetic	Prof. Weihong TAN 譚蔚泓	功能核酸藥物、靶向核素成像、智慧藥物等研究和臨床應用；腦腫瘤靶向藥物、納米藥物研發等；生物治療、細胞分子免疫學等相關研究
				Prof. Xiaohong FANG 方曉紅	腫瘤標誌物高靈敏檢測，分子成像、液體活檢等分子診斷新方法，腫瘤信號轉導機制研究；基因診斷，單細胞分析、基於納米診斷的分子診斷技術；對組蛋白修飾進行時空分辨檢測和化學干預新方法
		Prof. Yunlu DAI 代雲路	Nanomaterials, Inorganic Nanomaterials, Nanoscale Coordination Materials, Multimodal Biological Imaging and Targeted Delivery of Anticancer Therapeutics	Prof. Jie SONG 宋杰	DNA結構設計與通信，基因檢測與藥物遞送，以及智慧診療儀器的開發與應用
		Prof. Qi ZHAO 趙琦	Antibody-based Cancer Therapeutics, Cell Immunotherapy, Antibody Display, Nanomedicine	Prof. Peng GUO 郭鵬	惡性腫瘤新靶點的發現和新型靶向藥物的研發
		Prof. Sanming WANG 王山鳴	Bioinformatics, Cancer Genomics and Genetics, Hereditary breast cancer, Sequencing and Transcriptome	Prof. Tianhui CHEN 陳天輝	Cancer epidemiology; molecular genetic epidemiology; epidemiology of familial cancer (germline BRCA and MMR mutation related cancers, e.g., breast, ovarian and colorectal cancers)

* Applicants can only apply for the Joint PhD Programme with the institute of Chinese Academy of Sciences through the online application system of UM. Applicants should choose their designated joint programmes and the pair of supervisors in their applications.