

RGC Postdoctoral Fellowship Scheme - List of Awardees (2024/25)

Awardee *	Nominating University	Project Title
Dr CAO, Liang	The Education University of Hong Kong	Reclaiming Voices: Decolonizing English Language Education through Exploring Affective Dimensions among Adult Immigrants in Hong Kong
Dr CHEN, Bonan	The Chinese University of Hong Kong	Deciphering the Gastric Cancer Microenvironment: Significance of the NF-κB-YAP1-COL12A1 Axis in Cancer-Associated Fibroblast and Cancer Cell Interactions
Dr CHEN, Lin	Hong Kong Baptist University	Exploring Substrate Tolerance and Enhancing Isoquinoline Alkaloid Production through Engineering of Norcoclaurine Synthase Enzymes
Dr CHEU, Wing-sum	The University of Hong Kong	Effects of adenosine receptors blockade in reshaping tumor immune microenvironment in hepatocellular carcinoma
Dr CHIU, Andy	The Education University of Hong Kong	Sports for inclusion of ethnic minorities students in secondary school's context
Dr CHUNG, Yat Fai	The Chinese University of Hong Kong	Development of a Novel Neutrophil-based Anticancer Immunotherapy for NSCLC
Dr DENG, Zhu	The University of Hong Kong	Global greenhouse gas budget reconciliation
Dr FENG, Yuhao	The University of Hong Kong	Assessing multi-dimensional plant traits and their impact on forest ecosystem functioning and sensitivity response to climate change
Dr FUNG, Cheuk Wang	The Chinese University of Hong Kong	Transcription and Replication Study of the Influenza A Virus RNA Polymerase by Viral Nascent RNA Enrichment and Sequencing
Dr GAO, Mengdi	The Chinese University of Hong Kong	Medical Prior Knowledge-guided Ophthalmic Foundation Model Through Alignment and Fusion of Multi-modality, Enabling Data & Label-efficient Ocular Diseases Recognition in Real-world
Dr GUO, Xiao-yu	City University of Hong Kong	Resilient Control and Monitoring of Hydrogen Energy Systems
Dr HOSSAIN, Md Farid	The Education University of Hong Kong	(Re)configuring the Belt and Road Initiative in Pakistan and Sri Lanka: A Multipronged Approach
Dr HOSSAIN, Md Lokman	The Chinese University of Hong Kong	Disentangling the Memory Effects of Climate, Vegetation Growth Carryover, and Plant Functional Trait Mechanisms in Grassland Ecosystem Functioning and Stability
Dr HOW, Chun Ming	Hong Kong Baptist University	Optimization of eDNA and eRNA metabarcoding in fish community monitoring: A case study in Tolo Harbor
Dr HUANG, Jianwei	The Chinese University of Hong Kong	A Study on the Associations of Individuals' Daily Carbon Emissions with Multiple Environmental Exposures and Subjective Well-Being in Hong Kong and the Greater Bay Area Using GPS and Mobile Sensors
Dr JIANG, Meng	The University of Hong Kong	Technically Real: The Making of a Post-Mao Visual Regime
Dr JIANG, Ronghao	The Education University of Hong Kong	Emerging Geography of Culture-led Urban Redevelopment in Chinese Cities: Recentralizing Land regulations, Local Leverage of Cultural Developmental Rhetoric, and Diverse Trajectories of Urban Renewal
Dr KOENDERS, Emily Anna Jantien	The Chinese University of Hong Kong	The Artificial Language Learning Paradigm Applied to a Hong Kong Deaf Education Setting
Dr LI, Jing	City University of Hong Kong	Providing Efficient IoT Services in Digital Twin-Empowered Edge Computing
Dr LI, Lulu	Lingnan University	Gendered Digital Nomadism: Career Mobility, Work Performance and Family Arrangement of Chinese Digital Nomads
Dr LI, Shangchen	The University of Hong Kong	Capital Market and Sustainable Finance Development in China
Dr LIU, Yanting	The Education University of Hong Kong	Regional Features and Formation Mechanism of Indigenous Dialects at the East Side of the Pearl River Delta
Dr LIU, Yingzhi	The Chinese University of Hong Kong	Prevalence of Immune-Mediated Inflammatory Diseases (IMIDs) among the post-Coronavirus Disease 2019 (COVID-19) infection population
Dr LU, Wenzhi	The Hong Kong University of Science and Technology	Farewell to GDP? China and Vietnam's Divergent Strategy for Evaluating Local Officials
Dr MA, Chen	The Hong Kong Polytechnic University	Stable coalescence-induced jumping of micro-bubbles for enhanced boiling heat transfer and suppressed Leidenfrost effect
Dr NA, Yuqi	Lingnan University	Exploring the Digital NEET Phenomenon in the Context of Youth Unemployment in China
Dr PEI, Ji-yan	City University of Hong Kong	Interpretable Machine Learning for Quantitative Predictions in Metal-Organic Frameworks for Ethane/Ethylene Separation
Dr PEREZ-ROSALES, Gonzalo	The Hong Kong University of Science and Technology	Exploring the drivers of hidden coral reef biodiversity and ecosystem functions in the Coral Triangle twilight zone
Dr QIAO, Si	The University of Hong Kong	Planning New Mobility-on-Demand for Women
Dr SHENG, Yalan	Hong Kong Baptist University	Study on the regulatory mechanism of N6-methyladenine DNA modification (6mA) in pancreatic tumorigenesis
Dr SHENKUTIE, Abebe Mekuria	The Hong Kong Polytechnic University	Unraveling the Regulatory Mechanisms of Small RNA00203 in Biofilm-Specific Antibiotic Resistance of Acinetobacter baumannii: Identifying a Promising Therapeutic Target to Combat Multidrug Resistance
Dr SHI, Shuo	City University of Hong Kong	Breathable bionic skin with temperature, humidity, and stress sensing functions for man-machine interaction
Dr SHI, Wenchao	The Hong Kong Polytechnic University	Development of indirect evaporative air-conditioning technology for applications in data centers in hot and humid areas
Dr SONG, Yuchen	The Hong Kong Polytechnic University	Bolted beam-to-column joints with austenitic stainless steel components for enhanced robustness of steel frame structures
Dr TANG, Jianjing	The Education University of Hong Kong	In search of the third space: Teacher learning through boundary crossing in the Greater Bay Area
Dr TIAN, Fu-jia	City University of Hong Kong	Investigation of structures and interactions of DNA, RNA, and RDH by magnetic tweezers experiments and molecular dynamics simulations
Dr TSANG, Nicole Ngai-yung	The University of Hong Kong	Understanding the pattern, determinants, and impact of vaccination on SARS-CoV-2 household transmission
Dr TUAL SAWN, Khai	Lingnan University	Exploring Employer Views on Domestic Workers: Comparative Study and Policy Implications for Welfare in Singapore and Hong Kong
Dr WANG, Baocheng	The Hong Kong University of Science and Technology	Synthesis of chiral central compounds using bifunctional organocatalysts, including chiral heteroatomic compounds and axially chiral compounds
Dr WANG, Jiaorao	Lingnan University	From data to models: Model-level process monitoring
Dr WANG, Lingzhi	The Chinese University of Hong Kong	Automated Fact-Checking with Large Language Models Using Multi-Path Self-Exploration
Dr WANG, Yian	The Hong Kong University of Science and Technology	Density functional theory studies for catalyst screening for electrochemical reactions assisted by machine learning
Dr WONG, Jing Jun	The Hong Kong Polytechnic University	Exploring a grid-like code for representing decisions in the prefrontal cortex
Dr WONG, Kok Yiu	The Hong Kong University of Science and Technology	Empowering Dynamic Digital Twins with Domain Knowledge-embedded AI for Smart Walkability Management

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Dr WU, Jingda	The Hong Kong Polytechnic University	Human-guided Reinforcement Learning for Autonomous Navigation of Unmanned Ground Vehicles in a Sim-to-real Context
Dr WU, Qiong	The Hong Kong University of Science and Technology	Cost-Efficient Federated Graph Learning with Cross-Client Edge Pruning
Dr WU, Xin	City University of Hong Kong	Strain regulation for efficient and stable perovskite solar cells
Dr XIE, Ruopeng	The University of Hong Kong	Estimating epidemiological parameters from viral outbreak phylogenies using Deep Learning
Dr XU, Dapeng	City University of Hong Kong	ESG Performance and Online Investor Opinions
Dr YANG, Yongqiang	The Hong Kong Polytechnic University	Construction and application of anode-free static zinc-iodine battery
Dr YE, Feifei	The Hong Kong Polytechnic University	Environmental Governance Cost Prediction based on Ensemble Dynamic Modeling Methods
Dr YIN, Bohan	The Hong Kong Polytechnic University	A Novel Nanoplatfrom Based on NIR-II Plasmonics and Exosome for Imaging and Treatment of Pulmonary Fibrosis
Dr YING, Jiaxi	The Hong Kong University of Science and Technology	Sample-Efficient and Robust Algorithms for Sparse Principal Component Analysis
Dr YING, Xuzhe	The Hong Kong University of Science and Technology	Strongly correlated phenomena in semiconductor nanostructures: from excitons to beyond
Dr YUAN, Yong-jiu	City University of Hong Kong	High precision/High efficiency/Patterned preparation of micro energy storage/flexible electronics applications
Dr YUEN, Wai-hin	The University of Hong Kong	Targeting tumor-associated neutrophils as a novel therapeutic strategy for recurrent hepatocellular carcinoma
Dr ZHANG, Xudong	The University of Hong Kong	Exciton-Polariton Condensate based on Bound States in the Continuum Metasurfaces: From Fundamental Physics to Applications
Dr ZHONG, Chuanxin	Hong Kong Baptist University	Targeting osteoblastic 11 β -HSD1 to combat high-fat diet-induced obesity
Dr ZHOU, Yin	City University of Hong Kong	d-Band Energy of Co-based Bimetallic Metal-Organic Frameworks for Modulating Charge Kinetics in Li-O ₂ Batteries
Dr ZHU, Qingli	The Chinese University of Hong Kong	Self-sustained Hydrogel Robots with Encoded Heterogeneous Magnetization Based on Topological Geometry

* Each PDFS awardee is funded with annual stipends (first year at \$420,090) throughout the 36-month fellowship period