

## RGC Postdoctoral Fellowship Scheme - List of Awardees (2022/23)

Awardee *	University	Project Title
Dr AMEYAW, Edward Kwabena	Lingnan University	Using Mobile Technology to Improve Maternal Health: Progress and Implementation Challenges of the Safe Delivery App in Ghana
Dr CAI, Jiannan	The Chinese University of Hong Kong	Spatiotemporal-context-aware Machine Learning of Real-time Noise Exposure for Inferring Personal Psychological Reaction
Dr CHEN, Gao	The Hong Kong Polytechnic University	Exsolving Nanoalloys from Perovskite Matrix for Plasmon-mediated Electrochemical Conversion of Small Molecules
Dr CHENG, Chak Kwong	City University of Hong Kong	Gut Microbiome Remodeling Accelerates Ageing-induced Cardiometabolic Disorders
Dr CHOI, Jeeun	The University of Hong Kong	Investigate How RHOA Tyr42Cys Mutation Drives Gastric Cancer
Dr COLLEONI, Paola	Hong Kong Baptist University	Gothic at the Crossroads: Gothic Revival Architecture and Collecting Practices in the Asia Pacific Region
Dr DARZHINOVA, Liubov	The Education University of Hong Kong	Technology-enhanced Reading Assessment of Pre-service English Teachers in Hong Kong: A Scenario-based Approach
Dr DAS, Avik Kumar	The Hong Kong University of Science and Technology	Mechanisms that Lead to Healing Induced Recovery of Mechanical Properties (HIRMP) in Self-healed Strain-hardening Cementitious Composites under Practical Conditions
Dr DONG, Shuyang	The University of Hong Kong	Early Childhood Development in China: A Socioecological Systems Perspective
Dr DUAN, Tianwei	Hong Kong Baptist University	Tailoring Ligand-to-crystal Chirality Transfer for Light-selective Perovskite Semiconductors
Dr DUAN, Yangyang	The Hong Kong University of Science and Technology	Pathophysiological Mechanisms and Intervention Strategies of Genetic Risk Variants in Alzheimer's Disease
Dr FAN, Denise Ching-yi	Hong Kong Baptist University	Freeing from the Notation: A Modular Approach to Performing Baroque Bass Lines
Dr FUNG, Hong Wang	Hong Kong Baptist University	Development and Evaluation of an Online Self-help Intervention for People with Post-traumatic Stress Symptoms: A Randomized Controlled Trial of the "Understanding Each Other" Trauma Resources Program
Dr GUO, Yanpeng	The Hong Kong Polytechnic University	In-situ Fundamental Studies of Zn Plating/Stripping Behavior Towards High-capacity Zn Batteries with High Cycling Stability
Dr HE, Changran	The Chinese University of Hong Kong	A Framework for Distributed Sampled-Data Control of Networked Systems
Dr HEUNG, Ho Lam	The Hong Kong Polytechnic University	Optimizing Motor Recovery of Paretic Upper Limb with the Innovative Neuromuscular Electrical Stimulation (NMES)-triggered Wearable Robotic Glove during the Golden Period for Stroke Recovery
Dr HOU, Xu	The Hong Kong Polytechnic University	Atomic-scale Insights into the Electro-thermo-mechanical Multi-field-coupling Properties of Ferroelectric Materials: In-situ Observations and Simulations
Dr HUANG, Jingyang	The Hong Kong University of Science and Technology	Platform Authoritarianism: the Governance of Digital Monitoring
Dr HUANG, Junjie	The Chinese University of Hong Kong	The Risk of Advanced Neoplasia within Subcentimetric Polyps Detected in Colorectal Cancer Screening Participants in Chinese Population: A Multi-centre Colonoscopy Study
Dr LAI, Yik Po	The Education University of Hong Kong	Grammatical Diversity of Sinitic Languages and Linguistic Areas in China
Dr LI, Jun	Hong Kong Baptist University	The Unequal Voice: Multi-Level Governance on Greenhouse Gas Reduction in China and the United States
Dr LI, Lei	Hong Kong Baptist University	Causal Inference for Natural Language Processing in Recommender Systems
Dr LIU, Guo	City University of Hong Kong	A Paradigm for In Situ 4D Printing and Hybrid Manufacturing of High-temperature Materials
Dr LIU, Jing	The University of Hong Kong	Editing of Maladaptive Memory during Sleep
Dr LOONG, Cheng Ning	The Hong Kong University of Science and Technology	Theoretical and Experimental Analysis on the Dynamic Behavior of Trees
Dr MENDOZA, Norman Biliwang	The Education University of Hong Kong	Fostering Resilient Learners in the Peri- and Post-pandemic World: Examining the Role of Student Self-assessment and its Psychological Mechanisms in Online Learning Contexts
Dr MORAWSKI, Jakub	Hong Kong Baptist University	Quantum Creativity: Redefining a Conceptual Framework of Narrative, Visual and Aesthetic Categories in a Postdisciplinary Study.
Dr OLIVOS RAVE, Francisco Javier	Lingnan University	Legitimizing Personal Culture through Institutional Logics: The Effect of Material Practices and Meanings of Four Institutional Orders on Subjective Well-being
Dr PALLIES, Daniel	Lingnan University	Objective Value in Nature
Dr PENG, Lu	The University of Hong Kong	Tailoring Surface Structures of Reverse Osmosis Membranes for Efficient Water Reuse
Dr RAHMAN, Md Mizanur	The University of Hong Kong	Exploring Co-benefits of Global Protected Mangroves for Biodiversity Conservation, Ecosystem Multifunctionality, and Climate Change Mitigation
Dr RUI, Wenbin	The University of Hong Kong	Identifying and Utilizing Topological Phases Stabilized by Crystalline Symmetries
Dr SCHEEFF, Stephan Juergen Wolfgang	The Chinese University of Hong Kong	Expanding the Structural Diversity of Nucleoside Analogues to Combat SARS-CoV-2 and Other Viral Diseases
Dr SHI, Jingyu	The Hong Kong Polytechnic University	A Hybrid Nanoplatfor for Imaging-guided Combinatorial Phototherapy and Immunotherapy for Cancer Treatment
Dr THUN, Theara	The University of Hong Kong	Post-conflict Universities: Tracing Sociopolitical Changes in Cambodia's Higher Education in the Aftermath of Mass Killings and Civil War
Dr TONG, Lei	The Chinese University of Hong Kong	All 2D Materials-based Neuromorphic Chip
Dr TSOI, Ka Ho	The University of Hong Kong	A Global Analysis of Strategic Pathways for Sustainable Transport
Dr VUPPALADADIYAM, Arun Krishna	The Hong Kong Polytechnic University	Construction of a Metabolite Driven Deep Solvent-Catalytic Biorefinery System for Lignin Valorization from Refuse-Derived Biomass
Dr WAN, Kin Man	City University of Hong Kong	The Nexus of Conflict Process: New Measurements, Cross-national Dataset and Longitudinal Study
Dr WONG, Yee Ka	The Hong Kong University of Science and Technology	Joint Source Apportionment of PM2.5 Mass and Oxidative Potential by Integration of a Chemical Transport Model, Receptor Model, and Chemical Assay Techniques
Dr WU, Zeyang	Lingnan University	Nationalism and China's Economic Modernization
Dr XIE, Yingming	The Hong Kong University of Science and Technology	Novel Superconducting and Topological Properties in Moiré Materials
Dr YAN, Yichao	City University of Hong Kong	Developing New Chromophores by Incorporating Cyclopropenium Substituents into Heterocyclic Derivatives for Optoelectronics and Detection Probes
Dr YANG, Xuemei	City University of Hong Kong	Development of Vaccines for Antimicrobial Resistance
Dr YANG, Chao	The Hong Kong University of Science and Technology	Promote Axon Regeneration-mediated Functional Recovery by Targeting Neuronal Intrinsic Growth Capacity
Dr YANG, Yuyun	The Chinese University of Hong Kong	Fluid-rock Interactions in Injection-induced Seismicity: Towards a Predictive Hazard Assessment Model for Shale Gas Development in China
Dr YE, Hui	City University of Hong Kong	Mobile AR Prototyping for Proxemic and Gestural Interactions
Dr ZADOROZHNYI, Artem	The Education University of Hong Kong	Revisiting Pedagogies for Developing L2 Digital Literacies: Participatory Action Research among Undergraduate Students of Hong Kong
Dr ZHANG, Qi	The Hong Kong Polytechnic University	On the Constitutive Modeling of Natural Gas Hydrate Bearing Sediment and Multi-physics Coupling in Gas Production
Dr ZHONG, Cheng	The Hong Kong University of Science and Technology	Complex Interactions between Cyanobacterial Genomic Evolution and Earth's Changing Atmospheric and Oceanic Chemistry

\* Each PDFS awardee is funded with annual stipends (first year at \$406,550) throughout the 36-month fellowship period