

RGC Postdoctoral Fellowship Scheme - List of Awardees (2023/24)

Awardee *	University	Project Title
Dr ABREFA BUSIA, Kwaku	Lingnan University	Gender and Work-Family in Marital Relationships: The Impact of Work on Family-Level Outcomes in Africa
Dr BI, Shuai	City University of Hong Kong	Ultrathin Two-Dimensional Vinylene-linked Covalent Organic Frameworks: Efficient Synthesis and Applications
Dr BUENCONSEJO, Jet Uy	The Education University of Hong Kong	Promoting Positive Youth Development among Pre-service Teachers in the Greater Bay Area: Implications for Advancing Research and Teacher Training Programs
Dr CHAI, Yi	The University of Hong Kong	Effects of the COVID-19 Pandemic on Mental Health
Dr CHAN, Yuen Ki	The University of Hong Kong	STING agonist as a novel immunotherapy for liver cancers
Dr CHENG, Tat Fan	The Hong Kong University of Science and Technology	A New Perspective on the Asian-Australian Monsoon Complexity in Present-Day and Future Climates: the Seasonal Propagation of the Intertropical Convective Cell
Dr CHIN, Chun-yip	The Chinese University of Hong Kong	The Effect of Once-weekly Aerobic Exercise on Body Fatness and Cardiorespiratory Fitness among Older Adults with Central Obesity: A Randomized Controlled Trial
Dr DAI, Shilei	The University of Hong Kong	Making next-generation AI hardware with emerging soft electronics
Dr FENG, Guitao	The Hong Kong Polytechnic University	Study on high-efficiency tin-based perovskite solar cells: material design, synthesis, and device performance optimization.
Dr GU, Haogao	The University of Hong Kong	Quantifying attenuation effects caused by dinucleotide biases and codon pair biases for development of safe and scalable live attenuated virus vaccines
Dr GUO, Xuanming	Hong Kong Baptist University	Investigating the anti-obesity effect of artesunate and its therapeutic potential in the treatment of obesity
Dr GUO, Yan	The University of Hong Kong	Diatom cluster photocatalysts with selective H ₂ O ₂ production for water remediation
Dr HE, Chengdong	The Hong Kong University of Science and Technology	Programmable fermionic quantum systems with non-Hermiticity, spin-orbit coupling and SU(N) symmetry
Dr JIANG, Yi	City University of Hong Kong	Reinforcement Learning Approach to Data-Driven Optimal Control and Output Regulation of Dynamical Systems with Model and Communication Uncertainties
Dr JIANG, Yuanbing	The Hong Kong University of Science and Technology	Identification of blood-based biomarkers as therapeutic targets for the development of Alzheimer's disease interventions
Dr LACERTOSA, Massimiliano	The Chinese University of Hong Kong	Wuwei 無為, Weak Thought and Degrowth: A Philosophical Reflection on Decolonisation
Dr LEE, Man-kit	The University of Hong Kong	Statistical-Learning-Based Intervention and Machine Learning Prediction of Reading Improvement for Chinese Children with Dyslexia
Dr LEUNG, Ka-man	The University of Hong Kong	A Needs Assessment of Poor Household Caregivers in Different Housing Sectors of Hong Kong
Dr LI, Qing	City University of Hong Kong	Boosting the utilization of Zinc metal anode to build Zincbased batteries with high energy density
Dr LI, Zhen	City University of Hong Kong	Materials Innovation for Efficient, Stable, and Safe-to-use Perovskite Solar Cells
Dr LIM, Shey Li	The University of Hong Kong	Application of real-time fluorescent biosensors in living plants
Dr LIU, Cuina	The Education University of Hong Kong	The "Soft" Side of Math: The Antecedents and Consequences of Spontaneous Mathematical Focusing Tendencies in Chinese Kindergarten Children
Dr LIU, Xutong	The Chinese University of Hong Kong	Nearly Optimal Online Learning Framework for Data-Driven Combinatorial Optimization
Dr LIU, Zhibo	The Hong Kong University of Science and Technology	Advanced Software Reverse Engineering in Cyber Security
Dr MA, King Hang Matthew	The Hong Kong Polytechnic University	Attention and Attrition: Neural Speech Tracking of L1 and L2 Speech in Ageing Bilinguals
Dr MATOS DEVESA, Andrea Soledad	The Chinese University of Hong Kong	Investigating the Role of Identification and Hope for Future on Compassionate Responses towards a Threatening Outgroup in Dynamic Intergroup Relations: The Hong Kong-China Context
Dr MENG, Qingle	City University of Hong Kong	Mathematical study of inverse problems based on the effective medium theory
Dr NING, Rundong	The University of Hong Kong	Coding Sino-African Connections: A ethnographic study on the interactions between Chinese and Kenyan IT professionals in Nairobi
Dr O'NEIL, Sean Thomas	Hong Kong Baptist University	The Art of Signs: Symbolic Notation and Visual Thinking in Early Modern Europe
Dr PAN, Li	The Hong Kong Polytechnic University	Development of Baicalein as an Immune Modulator to Treat Age-related Macular Degeneration
Dr PANG, Sin Yi	The Hong Kong Polytechnic University	2D MXene-based materials for sustainable energy application and physical property investigation
Dr PODDAR, Swapnadeep	The Hong Kong University of Science and Technology	Perovskite Nanowire Array-Based Resistive RAMs for Neuromorphic Computing and High-density Data Storage
Dr QIAN, Xitang	The Hong Kong University of Science and Technology	Rational design of two-dimensional materials for nitrate reduction to ammonia
Dr ROKONUZZAMAN, Md	The Education University of Hong Kong	Novel alternative half-and-half systems alleviate arsenic body loading through rice consumption in naturally endemic region
Dr SO, Wai-lok	The Chinese University of Hong Kong	The function and evolution of sesquiterpenoids in sea urchin
Dr TANG, Yun-tong	The Education University of Hong Kong	Community organizing, social capital, and place-based identity: the rescaling of governance and community restructuring in Hong Kong, 2003-2021
Dr VINCZE, Davor Branimir	Hong Kong Baptist University	XinSheng – operatic intermedia theatre
Dr WANG, Jianying	The Chinese University of Hong Kong	A Study on the Effects of Individual Exposures to Air Pollution and Noise on Human Health in Hong Kong and the Greater Bay Area using GPS and Mobile Sensors
Dr WONG, Wing-hei	The Chinese University of Hong Kong	The Efficacy of Lifestyle-Based Intervention as a Low-Intensity Option within a Stepped-Care Model for Depression: A Randomized Controlled Trial and Cost Analysis
Dr WU, Yandi	City University of Hong Kong	The Role and Mechanism of E2F2 in YAP-Induced Inflammation During Atherosclerosis
Dr XU, Xinzhou	The Chinese University of Hong Kong	A Multi-scale Approach Integrating Structural Biology and Genomics to Analyze the Transcription and Regulation of the SARS-CoV-2 Viral RNA Polymerase
Dr YANG, Qianqian	Hong Kong Baptist University	Ultra-high-resolution ground-level air quality monitoring with assistance from the first geostationary air quality monitoring satellite and physics-informed deep learning
Dr YEUNG, Siu Yin	Lingnan University	Semiotics of Allegory: Queerness in Contemporary Taiwan and Hong Kong Novel and Cinema
Dr ZHANG, Chi	The Hong Kong Polytechnic University	Graphene-interfaced protection of brittle devices on soft substrates for extremely stretchable electronics

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Dr ZHANG, Di	The Education University of Hong Kong	Family Environment, Spatial Skill, Numerical Ability and Mathematics Achievement: A Longitudinal Study
Dr ZHANG, Jianyu	The Hong Kong University of Science and Technology	Dynamic through-space interactions driven by molecular motors
Dr ZHAO, Kai	Lingnan University	Transnational Academic Mobility and Career Development: The Case of Early-Career International Academics in China
Dr ZHAO, Yiqiu	The Hong Kong University of Science and Technology	Shear jamming in chiral granular suspensions
Dr ZHOU, Yang	Lingnan University	Digital Content Platforms, Migrant Workers and the Cultural Politics of Working-class Formation in China
Dr ZHU, Zhi	Hong Kong Baptist University	Construction of g-C ₃ N ₄ -based composites photocatalyst for reduction CO ₂ and mechanism insight

* Each PDFS awardee is funded with annual stipends (first year at \$413,060) throughout the 36-month fellowship period