

## RGC Junior Research Fellow Scheme - List of Awardees (2025/26)

Awardee *	Nominating University	Project Title
Dr ABOH, Sopuruchi Christian	The Hong Kong Polytechnic University	Linguistic Experiences and the Identity Construction of African Migrants in Hong Kong: A Mixed Methods Study
Dr ALCOCK, Rowan James	The Hong Kong Polytechnic University	Karl Polanyi's Ecology: China, Eco-Socialism, and the Post-Growth Future
Dr AMRUTH, Alfred	The University of Hong Kong	Revealing Dark Matter under the Gravitational Lens
Dr BAI, Jiaxin	The Hong Kong University of Science and Technology	Neural Graph Databases and Its Applications to Natural Language Question Answering
Dr BAO, Huanyu	City University of Hong Kong	From Burden to Asset: Empowering Hong Kong's Older Adults Through AI-Driven Health Technology for Proactive Physical Activity Engagement
Dr CAO, Chunyan	The Hong Kong Polytechnic University	Development of highly adhesive liquid metal electrodes and study on the mechanism of enhanced interfacial adhesion
Dr CHAN, Kwun-nam	The University of Hong Kong	Comprehensive investigation on risk evaluation and machine learning-based prediction on self-harm and suicide in individuals with mental disorders: territory-wide research using health-record big-data approach
Dr CHEN, Mian	The Hong Kong University of Science and Technology	The Labor of Ideology: Information Management of the Chinese Communist Party (1921–1966)
Dr COHEN, Carolyn Amanda	The University of Hong Kong	Immune based risk assessment of swine influenza viruses in humans
Dr DUAN, Jiahui	The University of Hong Kong	Reproductive Justice in the Age of Biotechnology: A Socio-Legal Study of Assisted Reproductive Technology Regulations in Hong Kong and Mainland China
Dr FENG, Hanke	City University of Hong Kong	An Integrated Terahertz Photonic Transmitter System
Dr GUO, Kai	The University of Hong Kong	A generative AI-enhanced approach to VR simulation-based teacher education: Impact on pre-service teachers' classroom discourse and reflection skills
Dr HONG, Huiling	The Chinese University of Hong Kong	The role of interferon-activated capillary endothelial cell population in acute lung injury
Dr HU, Pengnan	The Education University of Hong Kong	The Rise of Feel-Good Screen Culture: Examining the Impacts of Affective Short Video Dramas on Audiences and the Industry
Dr HU, Zhikai	Hong Kong Baptist University	Navigating the Unknown: Multi-Modal Retrieval for Vague Queries and Long-Tailed Data
Dr JIANG, Ruochen	The Hong Kong University of Science and Technology	Risk Assessment of Key Civil Infrastructure Exposed to Glacier Hazard Chains in High Mountain Asia
Dr KIM, Taeho	The Hong Kong University of Science and Technology	Reinforcement Learning with High-Dimensional Features
Dr LAN, Shun	The Hong Kong Polytechnic University	Functional dielectric films for advanced electronics
Dr LI, Changchao	The Hong Kong Polytechnic University	Assessing plastic pollution-associated antimicrobial resistance risk
Dr LI, Jian	City University of Hong Kong	Thin, soft, fully integrated system for continuous monitoring of artery blood pressure
Dr LI, Kwan Tung	Hong Kong Baptist University	Unraveling Synaptic Degeneration in Alzheimer's Disease: A Computational Approach to Enhance Neuromodulation Entrainment
Dr LI, Xin	The Chinese University of Hong Kong	Microgel-based robots for real-time imaging-guided precise vascular selection and combined embolization-immunotherapy of hepatocellular carcinoma
Dr LI, Zijian	City University of Hong Kong	Synthesis of Single-atomically Dispersed Pt on Plasmonic Metal-stabilized 1T-Transition Metal Dichalcogenide Monolayers for Electrocatalytic Hydrogen Evolution
Dr LIU, Jingjing	Hong Kong Baptist University	Using functional metabolomics to investigating the role and mechanism of citrate metabolism in the progression of pancreatic cancer
Dr LIU, Shiyuan	The Hong Kong University of Science and Technology	Efficient and Sustainable Hydrogen Storage using 1,3,5-Triphenylbenzene as a Liquid Organic Hydrogen Carrier
Dr LU, Hongyu	The Hong Kong Polytechnic University	Constructing High-performance Sustainable and Wearable Energy Storage Devices
Dr LU, Qi	The Chinese University of Hong Kong	AI literacy, writing engagement, and L2 writing performance among Non-Chinese Speaking students: A longitudinal study of profiles and associations
Dr MEI, Liang	City University of Hong Kong	Highly efficient precious metal extraction by metallic 2D transition metal dichalcogenide
Dr NG, Royce Hong Sheng	Hong Kong Baptist University	Virtual Reality, Society and Death: Designing Educational Platforms for Palliative Care and the Digital Afterlife
Dr PENG, Fangyuan	The University of Hong Kong	From Surplus to Growth: Chinese Machinery Export and African Industrialization
Dr PENG, Rui	The University of Hong Kong	Towards next-generation aerial robotic technology: a dexterous and compliant aerial continuum manipulator for complex, cluttered and constrained environments
Dr PENG, Zehua	The Hong Kong Polytechnic University	High-Performance Electromechanical Energy Conversion Devices and Self-Powered Sensing Systems
Dr PEREZ, Maeva	Hong Kong Baptist University	Evolutive history and adaptation of deep-sea annelids
Dr REV MADIPOLA WIMALAJOTHI THERO	The University of Hong Kong	The “Manuscript Cult” in Theravāda Buddhism: Investigating the Material Politics of Textual Transmission in Colonial Sri Lanka
Dr SAMMARCHI, Sergio	Lingnan University	Optimizing Carbon Capture Solutions for Hong Kong's Waste-to-Energy Sector: Addressing Urban Constraints, Waste Composition, and Environmental Sustainability
Dr SONG, Xinmiao	Lingnan University	From Classroom to Creative Economy: Transforming Vocational Students into China's New Creative Workforce
Dr SUN, Yuning	Lingnan University	Social and Psychological Functions of Scientists, Experts, and Public Intellectuals and Their Influence on the Perception of Scientific Findings in Social Psychology
Dr WANG, Chong	The Chinese University of Hong Kong	Study on the photocatalytic reduction of unsaturated organic molecules over polymeric carbon nitride with synergetic light/dark process
Dr WANG, Dandan	Hong Kong Baptist University	Echo chamber effect in rumor spread cross platforms during public health emergencies
Dr WANG, Huan	City University of Hong Kong	Synergistic Integration of Generative Large Models and Knowledge Graphs for Complex Engineering System Design, Operation, and Maintenance
Dr WANG, Qi	City University of Hong Kong	Identification of Priority Contaminants of Emerging Concern (CECs) in Marine Cetaceans from the Coastal South China Sea
Dr WANG, Xuchuang	The Chinese University of Hong Kong	Developing Online Learning Algorithmic Tools for Future Networks in Quantum and Multi-Agent Systems
Dr WANG, Xulong	Hong Kong Baptist University	Non-Hermitian quantum metric in metamaterials
Dr WANG, Ye	The Education University of Hong Kong	Accelerating Emerging Teacher Leadership of Preservice Teachers with An Online Training Programme: A Quasi-experimental Research

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Dr WANG, Yuhao	The Hong Kong University of Science and Technology	Uncovering the mechanisms behind performance and stability in high-entropy perovskite ferrite air electrodes for reversible protonic ceramic cells
Dr WEBSTER, Chloe Emma Ruth	Lingnan University	Taking a multi-tool approach to assess the legal and illegal trade of corals in Hong Kong
Dr WEI, Zixian	The Hong Kong Polytechnic University	Optical Interface and Optical Computing Chips for Artificial Intelligence Cluster
Dr WONG, Junfu	The University of Hong Kong	Spatial and Sensory Dimensions of Religious Experience in Kizil Cave Monastery (Cave 71-85) in Kucha on the Ancient Silk Road
Dr WONG, Miu Yin	The Chinese University of Hong Kong	Evolving Family amid Same-Sex Marriage in Asia: A Comparative Study of Same-Sex Couples and Their Parents in Taiwan, Hong Kong, and Singapore
Dr XIE, Jing	The Chinese University of Hong Kong	Additive design for safe lithium-ion battery
Dr YEUNG, Cheuk Lam	The Education University of Hong Kong	The Comprehensive Project of Arts Education in Hong Kong Kindergartens: Teachers' Practices, Pedagogical Priorities, Challenges, and Professional Development Needs
Dr YIM, Tsz-kit	The University of Hong Kong	Sino-affectivity and world-making aesthetics: transcultural and transmedial adaptation of Chinese literary and cultural forms
Dr ZHAI, Li	City University of Hong Kong	Epitaxial Growth of Metal-Semiconductor Heterostructures for Photocatalytic Conversion Biomass into Value-added Fuels
Dr ZHANG, Chengping	The Hong Kong University of Science and Technology	Investigating intrinsic nonlinear Hall effects with room temperature applications
Dr ZHANG, Ruixiaoxiao	The Hong Kong Polytechnic University	Developing innovative solar business models: Leveraging reinforcement learning for optimizing residential and commercial PV uptake in Hong Kong
Dr ZHAO, Bao	The Hong Kong Polytechnic University	MetaPowered IoT System: A Metamaterial-powered Internet of Things System for Structural Health Monitoring
Dr ZHAO, Kai	The University of Hong Kong	Large-scale geological hydrogen storage using underground salt caverns in bedded salt
Dr ZHOU, Zhiling	City University of Hong Kong	Chiral Sound-Matter Interaction in Metamaterials: Manipulation and Application of Sound Waves Carrying Angular Momentum
Dr ZHU, Zhaohua	The Hong Kong Polytechnic University	Pioneering Electron Transport in Perovskite Light-Emitting Diodes: The Untapped Potential of Self-Assembled Monolayers
Dr ZHUANG, Shiyu	City University of Hong Kong	High value-added utilization of magnesium slag in building material

\* Each JRFS awardee is funded with annual stipends (first year at \$425,100) for a period of 24 months, with an optional extension of the postdoctoral stage for up to 12 months upon request.