

RGC Junior Research Fellow Scheme - List of Awardees (2026/27)

Awardee *	Nominating University	Project Title
Dr ADLER-McKEAN, Jack Edward	Hong Kong Baptist University	Performance, timbre, and materiality: critical interdisciplinary perspectives on brass instrument studies
Dr BAO, Jie	The Hong Kong Polytechnic University	Advancing Professional Doctoral Education in Hong Kong: Supervision, Academic Socialisation, and the Practice-Research Nexus
Dr BI, Leyu	City University of Hong Kong	Efficient, Durable, Sustainable Flexible Perovskite Solar Modules via Material and Technological Innovation
Dr CHAN, Chin Pok	The Chinese University of Hong Kong	Assessing the Role of Multiplex Rapid Antigen Testing in Tracking Respiratory Virus Dynamics via Participatory Surveillance
Dr CHANG, Floriane Lan Ching	City University of Hong Kong	Digital Cultural Assets and the Law: Provenance, Authenticity, and Cross-Border Disputes
Dr CHEN, Angxuan	The University of Hong Kong	Scaffolding Feedback Literacy in the GenAI Assisted Learning Environment: A Design-Based Research for Undergraduate Students of Hong Kong
Dr CHEN, Danni	The University of Hong Kong	The role of sleep-based memory reactivation in adaptive social inference
Dr CHEN, Xinjiang	The Hong Kong Polytechnic University	BEST: A Battery Energy Storage Toolbox Enabling Real-Time Health Monitoring and Lifespan Management
Dr CHEN, Zhaoliang	The Chinese University of Hong Kong	Antarctic Dissolved Organic Matter: Pioneering a Molecular Fingerprint Database to Decipher Multi-Interface Transport and Transformation
Dr CHEUNG, Pui Kwan	The Education University of Hong Kong	Optimising street vegetation and soil design for heat and stormwater mitigation
Dr CHU, Zhong	The Hong Kong Polytechnic University	From Prediction to Operation: Data-Driven Port Operations in Hong Kong Port
Dr FU, Rongliang	The Chinese University of Hong Kong	Design Tools for Superconducting Logic Circuits Toward Extremely Energy-Efficient Computing
Dr FU, Shiqiang	City University of Hong Kong	Exploring Facet Orientation in All-Perovskite Tandem for Photovoltaic Applications
Dr GUO, Shu Yi Sean	The Hong Kong University of Science and Technology	Culturally and Individually Personalizing Misinformation Interventions
Dr HAN, Xiao	The Hong Kong Polytechnic University	In-situ study on formation and catalytic mechanism of strong oxide-support interactions towards carbon-based small molecule catalytic conversion
Dr HAO, Shuya	City University of Hong Kong	Chiral Self-Assembled Brookite-phase TiQ Nanocatalyst for Photocatalytic Conversion of Methane to G ₃ Products
Dr HEAD, Jennifer Nicole	Lingnan University	Conspiracy Theorizing As Social-Epistemic Threat
Dr HU, Wenjie	The University of Hong Kong	Closing the Gap Between Group Work and Teamwork competency: A GenAI-powered Robot Trainer for Teamwork Competency Development in Engineering Education
Dr IP, Long Nin Leonard	The Chinese University of Hong Kong	Music in Reason: Thinking Music in Classical German Philosophy
Dr JIA, Junyuan	Lingnan University	Circulating Mandarin Songs: Music, Media, and Cultural Connections between China and Southeast Asia (1928–1966)
Dr JIANG, Yan	City University of Hong Kong	Spectral Geometry and Inverse Problems for Wave Propagations
Dr JIN, Fangzhou	The University of Hong Kong	Multimodal AI in Language Education: Usage, Model Optimization, and Experiments
Dr JIN, Yi	The Education University of Hong Kong	Advancing Educational and Psychological Measurement through Variational Bayesian Approximation: Methodological Developments and Practical Implementations
Dr LI, Zhuoxi	The Hong Kong University of Science and Technology	Ordinal Semi-Distance Correlation: A New Tool for Robust and Model-Free Feature Screening in Financial Modelling
Dr LIANG, Ronghui	The University of Hong Kong	Targeting the PFK2-Bradykinin axis: a novel dual-action strategy for late-onset therapy of severe respiratory virus infections
Dr LIAO, Hanbo	The Education University of Hong Kong	Reexamining Austro-Tai hypothesis: Shared Vocabulary and the Historical Layering of Divergence or Contact
Dr LIU, Hao	The University of Hong Kong	Circular knowledge for circular design: Optimizing building design for disassembly and reuse using an expert-augmented AI-driven approach
Dr LIU, Ye	The Hong Kong Polytechnic University	From Conversational AI to Agentic AI: Interactive Multi-modal Content Understanding and Generation
Dr LUO, Ziyuan	Hong Kong Baptist University	Safety-Aware Vision-Language-Action Models: Integrating Multi-Modal Risk Assessment for Robust Embodied AI Systems
Dr MO, Zhenling	City University of Hong Kong	Causality Aware Agentic Artificial Intelligent Model for Industrial Fault Diagnosis
Dr OU, Yifu	The University of Hong Kong	Quantifying Carbon Savings from Circularity of Construction and Demolition Waste in China
Dr QIANG, Wei Will	The Chinese University of Hong Kong	Which Cities Can Achieve Maximum Carbon Reduction from Electric Vehicle Promotion? A Spatial Causal Forest Analysis Based on Urban Form Heterogeneity
Dr SHE, Zhentao	The Hong Kong University of Science and Technology	Towards Near Non-invasive Optogenetic Manipulation of Brain
Dr SONG, Yinghao	The Hong Kong Polytechnic University	Optical fiber photoelectrodes unlock next-generation zinc-air batteries
Dr TANG, Jia	Hong Kong Baptist University	Deciphering the biosynthetic pathways of naturally-occurring perillene in <i>Phallus impudicus</i> and <i>Perilla frutescens</i>
Dr TANG, Yiling	Hong Kong Baptist University	An integrated intervention targeting physical activity, sedentary behaviour, and sleep in school-aged children in Hong Kong: Development and evaluation in a pilot randomized controlled trial
Dr TIAN, Yuan	The Chinese University of Hong Kong	Uncharted Jurisdiction: Law, Empire, and Global Trade in Modern China (1842-1945)
Dr USMAN, Ken Aldren Sumaya	The Hong Kong Polytechnic University	Elucidating the Mechanistic Pathways in MXene Fibre Formation towards Functional Textiles
Dr WANG, Hao	City University of Hong Kong	Digital Discovery and Implementation of Integrated Photonic Neural Network Architectures
Dr WANG, Xin	The Chinese University of Hong Kong	Phase-transition Based Jetting Micro-robot for Targeted Delivery of Liquid Embolic Agents
Dr WANG, Zhanze	The Chinese University of Hong Kong	Investigating Dynamic Landslide Susceptibility in Subtropical Urbanized Mountains using Remote Sensing and Deep Learning
Dr WU, Siyuan	The Hong Kong Polytechnic University	Intelligent characterization of lunar South Pole regolith: an in-situ testing driven deep learning approach
Dr WU, Yuheng	City University of Hong Kong	Balancing User and Machine Agency in Human–AI Interaction: Psychological Trade-offs Between Autonomy and Efficiency
Dr WU, Ze	The Chinese University of Hong Kong	Investigating Quantum Critical Dynamics Beyond Mean-field Theory using Contour Time-ordered Correlations

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Dr XIE, Yi	The Chinese University of Hong Kong	Cu-based Alloy for Energy- and Carbon-efficient Electrocatalytic CQ-to-C ₂ Conversion
Dr XIONG, Zuping	The Hong Kong University of Science and Technology	Virtual screening of circularly polarized luminescent materials featuring through-space interactions for biological imaging
Dr XU, Huo	The Education University of Hong Kong	Unveiling the Hidden Carbon Sink: Mechanisms and Climate Resilience of Rare Coccolithophores in Coastal Waters
Dr XU, Zhe	City University of Hong Kong	Multimodal and Dynamically Adaptive Medical AI Co-Pilot for Radiation Oncology
Dr YANG, Fazhi	City University of Hong Kong	Magnetic Structure and Electronic Properties of Altermagnets
Dr YANG, Ling	The University of Hong Kong	Electrostatic Microfluidics for Three-Dimensional, Contamination-Free Droplet Manipulation
Dr YANG, Yonghang	City University of Hong Kong	Interwoven Grain Boundary Covalent Organic Framework Separation Membrane
Dr YU, Jiaxin	Lingnan University	Deep-LaSS: A Unified Framework of Deep Latent State-Space Models for Advanced Monitoring, Prediction, and Control
Dr ZHANG, Donglei	The Hong Kong University of Science and Technology	Understanding P requirements and bioavailability of methanogens
Dr ZHANG, Wei	The Hong Kong Polytechnic University	Developing Insect-inspired Robotic System Capable of Ultragentle and Ultrafast Manipulation
Dr ZHANG, Yan	The Chinese University of Hong Kong	Integrating Human Mobility and Street-level Perception for Dynamic Green Exposure Assessment
Dr ZHAO, Pengfei	The Hong Kong University of Science and Technology	Decarbonizing the Guangdong-Hong Kong-Macao Greater Bay Area Through Integrated Transportation and Carbon Capture Strategies
Dr ZHAO, Senfeng	The University of Hong Kong	Remodeling Angiogenesis Microenvironment with a Light-Activated Liposomal Verteporfin-Lactate Oxidase against Choroidal Neovascularization
Dr ZHONG, Yuan	The Hong Kong Polytechnic University	Highly efficient NIR-II-emitting LnIII/CuI nanoclusters
Dr ZHOU, Jiazheng	The Hong Kong Polytechnic University	Fabrication of high-efficiency and high-stability solution-based perovskite/chalcogenide thin-film tandem solar cells
Dr ZHU, Hengyan	The Chinese University of Hong Kong	Targeting Immune-Microbiome Axis in Oral Cavity Squamous Cell Carcinoma: From Mechanism Insights to Immunotherapeutic potential

* Each JRFS awardee is funded with annual stipends (first year at \$430,000) for a period of 24 months, with an optional extension of the postdoctoral stage for up to 12 months upon request.