

Strategic Topics Grant (STG)

HKU's Participation in Funded Projects Coordinated by Other Local Universities				
Round	Project Title	HKU Co-Principal Investigator(s)/ Co-Investigator(s)	Indicative Project Time- Frame	Participating UGC-funded Institutions*
2025/26	Embracing Artificial Intelligence-Assisted Upper and Lower Urinary Tract Assessment in Primary Care and Nurse Clinic Settings	Professor Y. Na (Surgery)	TBC	CUHK , HKU, HKUST, PolyU
	Coastal Blue Carbon Ecosystems in Hong Kong and the Greater Bay Area: Carbon Sequestration Capacity, Biogeochemical and Microbial Processes, and Control Mechanisms	Professor J.D. Gaitán-Espitia (School of Biological Sciences)	TBC	CUHK, EdUHK, HKU, HKUST
	Terahertz Photonic Chip for Integrated Sensing and Communications in the 6G Era	Professor C. Xiang (Electrical and Electronic Engineering)	2026-2028	CityU , HKU
	Technology-Driven RISC-V AI Architecture Innovations for Emerging Embodied Robotics Systems	Professor X. Qi (Electrical and Electronic Engineering)	TBC	CUHK, HKU, HKUST
2024/25	Foundation Models-Empowered Ambient Intelligence Systems for Early Diagnosis, Personalized Intervention, and Complex Cross-Disease Interplay Analysis of Aging-Related Degenerative Diseases	Professor S.F.D. Yu (School of Nursing)	2025-2029	CityU, CUHK , HKU
	Tomorrow is Now: Eco-friendly Autonomous Construction through Sustainable 3D Concrete Printing	Professor X. Zhang (Real Estate & Construction) Professor H. Ye (Civil Engineering)	2025-2029	CityU , CUHK, HKU, HKUST , LU, PolyU

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Round	Project Title	HKU Co-Principal Investigator(s)/ Co-Investigator(s)	Indicative Project Time- Frame	Participating UGC-funded Institutions*
2023/24	AI-assisted Microrobotic Platform for Minimally Invasive Interventions	Professor J. Lam (Mechanical Engineering)	2024-2028	CityU, <u>CUHK</u> , HKU, PolyU
	Integrated Innovative Artificial Intelligence, Genomic and Biomedical Technologies in Healthcare: Objective Diagnosis, Personalised Therapy, and Determining the Etiology of Major Mental Disorders	Professor W.C. Chang (Psychiatry) Professor B.H.Y. Chung (Paediatrics & Adolescent Medicine) Professor K.W. Chan (Psychiatry)	2024-2028	CUHK, HKU, HKUST, <u>PolyU</u>

*The underlined institutions are the coordinating institutions for the purpose of grant administration.

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