

**Second batch of projects with support from the Research, Academic and
Industry Sectors One-plus (RAISe+) Scheme**
第二批獲「產學研 1+計劃」支持的項目

	Project Title 項目名稱	University 大學	Project Leader 項目負責人	Innovation and Technology Field 創新科技領域
1	3.3 kV High Power GaN Devices on 8 Inch Novel Substrates 8 寸新型襯底上的 3.3 kV 高功 率 GaN 器件	The Hong Kong University of Science and Technology 香港科技大學	Dr Hu LIANG 梁琥博士	Advanced Manufacturing 先進製造
2	Breakthrough Cathode Materials for Next-generation Lithium-ion Batteries 開創下一代鋰離子電池的先進 正極材料	City University of Hong Kong 香港城市大學	Prof Qi LIU 劉奇教授	New Materials and New Energy 新材料及新能源
3	Chemical Additive-Enabled Advancements in Electroplated Copper for Advanced Electronic Packaging and 3DIC Applications 化學添加劑優化電鍍銅在先進 電子封裝和三維積體電路中的 應用	City University of Hong Kong 香港城市大學	Prof Shien-ping FENG 馮憲平教授	Electrical and Electronic Engineering 電機及電子工程
4	Data-driven AI Supply Chain Management Platform 數據驅動的 AI 供應鏈管理平 台	The University of Hong Kong 香港大學	Prof Max Zuo-jun SHEN 申作軍教授	Artificial Intelligence and Robotics 人工智能及機械人
5	Developing tissue/cell specific AAV capsids by AI-and data- driven approaches 人工智能協助開發靶向腺相關 病毒載體(AAV)藥物遞送	The Hong Kong University of Science and Technology 香港科技大學	Prof Danqing ZHU 朱丹青教授	Health and Medical Sciences 健康及醫藥科學
6	Development and application of large-scale energy storage and UPS systems based on intrinsically safe aqueous batteries 基於本徵安全水系電池的規模 儲能和備用電源開發及應用	City University of Hong Kong 香港城市大學	Prof Qichun ZHANG 張其春教授	New Materials and New Energy 新材料及新能源

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7	Development and Commercialization of Wearable Robots for Assisting Older Adults Using Artificial Muscle Technology 基於人工肌肉的可穿戴式助老機器人	The University of Hong Kong 香港大學	Prof Ning XI 席寧教授	Artificial Intelligence and Robotics 人工智能及機械人
8	Development of a Highly Efficacious First-in-Class Vaginal Gel Targeting DRIPs for Cervical Cancer and Precancerous Lesions 首創高效治療宮頸癌前病變及宮頸癌的原研 DRIPs 抑制劑開發	The Hong Kong University of Science and Technology 香港科技大學	Prof Chun LIANG 梁純教授	Health and Medical Sciences 健康及醫藥科學
9	EndoR Surgical System 華陀外科手術系統	The Chinese University of Hong Kong 香港中文大學	Prof Philip Wai-yan CHIU 趙偉仁教授	Health and Medical Sciences 健康及醫藥科學
10	Evolving Interventional Endoscopy – An Endoluminal Robotic Platform for Early-Stage Cancer Resection and Defect Closure 不斷發展的介入式內窺鏡技術——一種用於早期癌症切除和缺損閉合的自然腔道手術機器人平台	The Chinese University of Hong Kong 香港中文大學	Prof Ka-wai KWOK 郭嘉威教授	Artificial Intelligence and Robotics 人工智能及機械人
11	Guiding Clinical Surgery by Intraoperative Infrared Fluorescence Imaging 應用於臨床手術導航的紅外螢光成像技術	The University of Hong Kong 香港大學	Prof Hongjie DAI 戴宏杰教授	Health and Medical Sciences 健康及醫藥科學
12	High Energy-Efficient Edge Chip & System for Large AI Models 高效能大模型推理晶片與系統	The Hong Kong University of Science and Technology 香港科技大學	Mr Huaibin WANG 王懷斌先生	Artificial Intelligence and Robotics 人工智能及機械人
13	High-Speed 3D Stacked AI Vision Sensors 高速 3D 堆疊的 AI 視覺傳感器	The Hong Kong Polytechnic University 香港理工大學	Prof Yang CHAI 柴揚教授	Artificial Intelligence and Robotics 人工智能及機械人

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14	In Vivo Somatic Human Genome Editing to Cure Genetic Diseases: Transforming Novel Genome Editors and Engineered Delivery Vehicles to Clinical Trial 治療遺傳性疾病的體內體細胞人類基因組編輯：將新型基因組編輯和工程交付載體轉化為臨床試驗	City University of Hong Kong 香港城市大學	Prof Zongli ZHENG 鄭宗立教授	Health and Medical Sciences 健康及醫藥科學
15	Innovative CAR T Cells for Hepato-biliary pancreatic cancers [i-CATCH] 創新 CAR T 細胞應用於肝膽胰臟癌治療	The Chinese University of Hong Kong 香港中文大學	Prof Nathalie WONG 王昭春教授	Health and Medical Sciences 健康及醫藥科學
16	Intelligent Laser Sensing System for the Energy Industry 面向能源行業的激光智能傳感系統	The Chinese University of Hong Kong 香港中文大學	Prof Wei REN 任偉教授	Advanced Manufacturing 先進製造
17	Low-Cost and Intrinsically-Safe Polysulfide Redox Flow Batteries for Long-Duration Energy Storage 用於長時儲能的低成本及本徵安全硫基液流電池	The Chinese University of Hong Kong 香港中文大學	Prof Yi-chun LU 盧怡君教授	New Materials and New Energy 新材料及新能源
18	Materials for next generation displays and optoelectronic devices 新一代顯示與光電子材料	The Hong Kong University of Science and Technology 香港科技大學	Dr Zhibo SUN 孫楮博博士	Electrical and Electronic Engineering 電機及電子工程
19	Multi-center clinical development of blood biomarker panels for detection of prodromal, mild cognitive impairment and early Alzheimer's disease 多中心臨床開發用於檢測前驅症狀、輕度認知障礙和早期阿茲海默症的血液生物標誌物	The Hong Kong University of Science and Technology 香港科技大學	Dr Li OUYANG 歐陽麗博士	Health and Medical Sciences 健康及醫藥科學

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20	Next-Gen High-End Eco-Semiconductor Chiplets for Empowering Tomorrow's Data Centers and 6G Networks 賦能未來數據中心和 6G 網絡的下一代高端節能半導體芯粒	The Hong Kong University of Science and Technology 香港科技大學	Prof Patrick Chik YUE 俞捷教授	Electrical and Electronic Engineering 電機及電子工程
21	Novel Nutraceuticals for Neurodegenerative Diseases 新型營養素與藥物在神經系統疾病防治中的全球化開發與應用	The Hong Kong Polytechnic University 香港理工大學	Prof Simon Ming-yuen LEE 李銘源教授	Chinese Medicine 中醫藥
22	Reallm: World-leading Enterprise GenAI Infrastructure Solution Reallm: 世界領先的企業級生成式人工智慧基礎設施解決方案	The Hong Kong Polytechnic University 香港理工大學	Prof Hongxia YANG 楊紅霞教授	Computer Science / Information Technology 計算機科學 / 資訊科技
23	Sequential Measurement Based Multi-Parameter Microfluidic Flow Cytomolecular Analyser 分序測量多參數微流控流式細胞分子檢測儀	Hong Kong Baptist University 香港浸會大學	Prof Bo LEI 雷波教授	Health and Medical Sciences 健康及醫藥科學
24	Transforming Microbiome Signatures To Next-generation Non-invasive Diagnostics for Non-communicable Diseases 將微生物組特徵轉化為用於非傳染性疾病診斷的無創新檢測	The Chinese University of Hong Kong 香港中文大學	Prof Siew-chien NG 黃秀娟教授	Health and Medical Sciences 健康及醫藥科學
25	Tunable laser chip based on metasurface structure and its application 基於超表面結構的可調諧激光器芯片及其應用	The Hong Kong Polytechnic University 香港理工大學	Prof Changyuan YU 余長源教授	Electrical and Electronic Engineering 電機及電子工程