

2026-2029年臺灣-印度(NSTC-DST)雙邊研究計畫核定補助名單

計畫執行期間：三年期 2026年9月1日~2029年8月31日

編號	計畫名稱	臺灣 計畫主持人	臺灣 執行機構	印度 計畫主持人	印度 執行機構
1	古細菌脂質體介導之化學-免疫-基因合併治療策略應用於三陰性乳癌治療抗性之重編程 Reprogramming Therapy Resistance in TNBC via Nanoarchaeosome-Mediated Intracellular Delivery: A Chemo-Immuno-Gene Therapy Approach	黃郁茶 Yu-Fen Huang	國立清華大學分析與環境科學研究所 Institute of Analytical and Environmental Sciences, National Tsing Hua University	Swathi Sudhakar	Indian Institute of Technology Madras
2	透過微流體排列和神經細胞相互作用發展具生物功能性之神經組織 Development of Biofunctional Nerve Tissue through Microfluidic Alignment and Interaction of Nerve Cells	周家復 Chia-Fu Chou	中央研究院物理研究所 Institute of Physics, Academia Sinica	Narayan Mishra	NDIAN INSTITUTE OF TECHNOLOGY ROORKEE
3	應用多模態 4D 場景圖及大型語言模型推理於自動施工查驗 Autonomous Cognitive Inspection of Construction Sites via Multimodal 4D Scene Graphs and Large Language Models	林之謙 Jacob Je-Chian Lin	國立臺灣大學土木工程學系暨研究所Department of Civil Engineering, National Taiwan University	Aritra Pal	Indian Institute Of Technology Madras
4	轉運體修飾之藥物輸送系統應用於角膜感染性疾病治療 Transporter-facilitated drug delivery to improve outcomes in corneal infections	曾靖嫻 Ching-Li Tseng	臺北醫學大學生物材料暨組織工程研究所 Graduate Institute of Biomedical Materials & Tissue Engineering, Taipei Medical University	Jayabalan Nirmal	Birla Institute of Technology And Science (BITS)
5	篩選高專一性抗體以作為日本腦炎病毒非結構蛋白之可靠診斷分析工具 Screening of High Affinity Engineered Antibodies as a Promising Tool for Diagnosis of Non Structural 1 (NS1) Protein of Japanese encephalitis virus	廖尉斯 Wei-Ssu Liao	國立臺灣大學化學系暨研究所 Department of Chemistry, National Taiwan University	Sonu Gandhi	National Institute of Animal Biotechnology
6	次世代充電電池的陰陽離子氧化還原正極材料之電化學性質與原子與電子結構關聯性研究 Relating the Electrochemical Properties and Atomic/Electronic Structures of Cationic and Anionic Redox Cathodes for Next-Generation Rechargeable Batteries	陳啟亮 Chi-Liang Chen	財團法人國家同步輻射研究中心 實驗設施組 National Synchrotron Radiation Research Center	Urmimala Maitra	Indian Association for the Cultivation of Science
7	建立可追蹤類卵巢子宮內膜瘤小鼠模型並評估IGF-1R抑制劑鬼臼苦素的治療潛力 Establishment of a trackable ovarian endometrioma-like mouse model for evaluating the therapeutic potential of the IGF-1R inhibitor Picropodophyllin	許澤方 Che-Fang Hsu	佛教慈濟醫療財團法人花蓮慈濟醫院 醫學研究部 Department of Medical Research, Tzu Chi Medical Center	Vaishnavi Seenan	Department of Biotechnology, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, Tamil Nadu, India

8	高熵層狀氧化物作為新世代鈉離子電池正極材料 Layered High-Entropy Oxides as Robust Next-Generation Cathodes for Sodium-Ion Batteries	陳翰儀 Han-Yi Chen	國立清華大學材料科學工程學系（所） Department of Materials Science and Engineering, National Tsing Hua University	Abhishek Sarkar	Indian Institute of Technology Delhi
9	開發黏土-金屬有機框架複合膜應用於工業廢水系統中酸回收和能量收集 Clay-MOF Composite Membranes for Simultaneous Acid Recovery and Energy Harvesting in Industrial Wastewater Systems	葉禮賢 Li-Hsien Yeh	國立臺灣科技大學化學工程系 Department of Chemical Engineering, National Taiwan University of Science and Technology	Dhirendra Kumar Rai	Indian Institute of Technology Indore
10	以人工智慧驅動的整合性篩選平台：透過以胞器為核心的共同演化分析，用於宿主導向及抗結核分枝桿菌療法 AI-driven Integrative Screening Platform for Host-Directed and Anti-mycobacterial Therapies via Organelle-Centric Coevolution Analysis	竹村和浩 Kazuhiro Takemura	國立清華大學智慧生醫博士學位學程 Ph.D. Program in Biomedical Artificial Intelligence, National Tsing Hua University	Sharmistha Banerjee	University of Hyderabad
11	AI導入混合實境介面設計：人機協作場域製造之認知負荷建模 AI-Based Cognitive Load Modeling for XR interfaces of Human-Robot Collaborative Manufacturing Environments	李育奇 Yu-Chi Lee	國立臺北科技大學工業工程與管理系（所） Department of Industrial Engineering and Management, National Taipei University of Technology	Arunachalam Muthiah	Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kancheepuram
12	應用二維材料工程化奈米層結構於再生能源生成機制之研究（GREEN-2D） Generating Renewable Energy via Engineered Nano-layers in 2D Materials (GREEN-2D)	雷曼 Raman Sankar	中央研究院物理研究所 Institute of Physics, Academia Sinica	Rajesh Kumar Ulaganathan	Centre for Nanotechnology, Indian Institute of Technology Roorkee, India
13	用於智慧太陽能窗戶之高效太陽能聚光器 Smart Solar Windows for Tomorrow: Luminescent Concentrator device for efficient Sunlight harvesting	院繼祖 Yuan Chi-Tsu	中原大學物理學系 Department of Physics, Chung Yuan Christian University	Brijesh Tripathi	Pandit Deendayal Energy University_