

AI-for-Science (AI4S) Challenge Grant Call 2025/26 – Awarded Projects

S/N	Project Title	Lead PI	Host Institution
1	KGAI4Ag: advancing knowledge-guided AI to develop agricultural digital twins for Singapore's climate resilience	Kaiyu Guan, Roman Carrasco	Illinois ARCS
2	AI for Program Reasoning	Cristian Cadar, Abhik Roychoudhury	Imperial Global Singapore (IGS)
3	Generative AI models for the creation and delivery of mRNA vaccine	Mile Sikic, Wan Yue	A*STAR Research Entities (ARES)
4	Data Factory for ML design of complex materials: applications in catalysis, quantum devices, functional materials	Kostya Novoselov, Alan Aspuru-Guzik	NUS
5	Overcoming the Terascale Design Challenge: Next-Generation Efficient AI for Discoveries in Surface Science and Catalysis	Ong Yew Soon, Mimi Hii, Aron Walsh	A*STAR Research Entities (ARES)
6	Revolutionizing Energy Transport: AI-Engineered Interfaces for Advanced Energy Carrier Dynamics	Yan Qingyu, Hisashi Kashima	NTU
7	Accelerating Genomic Analysis with Artificial Intelligence: From Data to Discovery	Cheng Ching-Yu, Liu Yong, Ng See Kiong	NUS
8	BloodCounts! - Artificial Intelligence for the Full Blood Count test	Michael Roberts, Lin Weisi	Cambridge Centre for Advanced Research and Education in Singapore CREATE-CARES)