

Research Postgraduate Student Innovation Award 2022-23



The Research Postgraduate Student Innovation Award was jointly established by the Graduate School and Technology Transfer Office in 2022 to promote innovation and interdisciplinary research. Up to ten awards may be made each year to research postgraduate students, of any disciplines, with the most exciting and innovative research ideas. The awards are funded by the Leung Kau Kui and Run Run Shaw Research and Teaching Endowment Funds.

Nominations for the Research Postgraduate Student Innovation Award 2022-23 were considered by a Selection Committee jointly set up by the Graduate School and the Technology Transfer Office.

Selection Committee

Professor D. Jin

Senior Associate Dean, Graduate School (Chairperson)

Professor R.T.H. Ho

Department of Social Work and Social Administration, Faculty of Social Sciences

Professor X.D. Li

Department of Chemistry, Faculty of Science

Professor N. Rao

Faculty of Education

Professor Y. Su

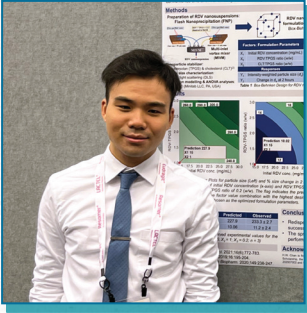
Faculty of Dentistry

Professor T. Zhang

Department of Civil Engineering, Faculty of Engineering

Dr S.X. Zhao

Technology Transfer Office



Mr Ho Wan CHAN

PhD, Department of Pharmacology and Pharmacy,
Li Ka Shing Faculty of Medicine

Project Title _____

An Integrated Continuous Manufacturing Platform for Fabricating Inhalable Nanoagglomerate Dry Powder as Next-Generation Respiratory Therapeutics for Emerging Viral Infections

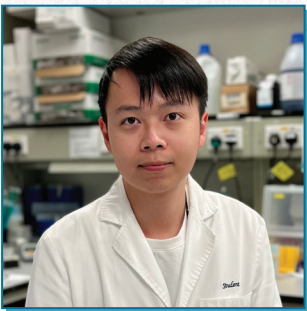


Mr Man Hei Jeffrey CHANG

PhD, Department of Geography, Faculty of Social Sciences

Project Title _____

Assessing “Hotspots” at Local School Communities with Low-Cost IoT Devices and FLIR Unmanned Aerial Vehicle (UAVs) Observations



Mr Hoi Chun FONG

PhD, School of Biomedical Sciences, Li Ka Shing Faculty of Medicine

Project Title _____

Machine Learning-Coupled Combinatorial Mutagenesis of Cytosine Base Editor



Mr Kai GUO

PhD, Faculty of Education

Project Title _____

Chatbot-Assisted Gamified Learning Environment for Developing Argumentation Competence: Integrating Artificial and Human Intelligence



Mr Maosu LI

PhD, Department of Urban Planning and Design,
Faculty of Architecture

Project Title _____

Assessing Human-Perceived Window View Openness in High-Rise High Density Cities: an Automatic Machine Learning-Based City Information Modeling Approach

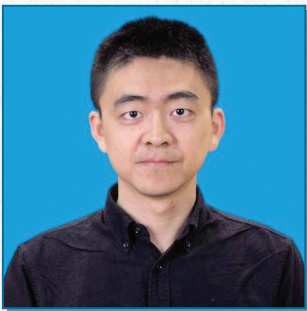


Miss Peichao LIANG

PhD, Department of Social Work and Social Administration,
Faculty of Social Sciences

Project Title _____

Leveraging mHealth Technology to Empower People Living with Cognitive Impairment and Family Caregivers: A Dyadic Ecological Momentary Assessment Study



Mr Peize SUN

PhD, Department of Computer Science, Faculty of Engineering

Project Title _____

Building 3D Digital Twin of a Human with Body Surfaces, Skeletons and Organs

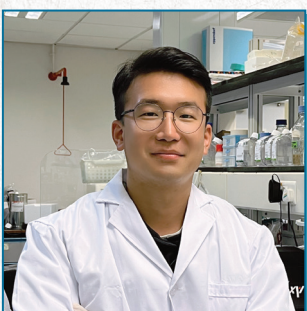


Mr Man Lai WONG

PhD, Department of Electrical and Electronic Engineering,
Faculty of Engineering

Project Title _____

Spinning Arrayed Optofluidic Imaging for Large-Scale Single-Cell Morphological Analysis



Mr Penghe ZHAO

PhD, Department of Chemistry, Faculty of Science

Project Title _____

Engineering Nanomedicine for Effective Targeted Drug Delivery and Chemotherapy



Miss Yaping ZHAO

PhD, Department of Electrical and Electronic Engineering,
Faculty of Engineering

Project Title _____

Snapshot Compressive Imaging for Edge Visual Intelligence