



香港中文大學理學院  
**FACULTY OF SCIENCE**  
THE CHINESE UNIVERSITY OF HONG KONG



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# 2020-21 Science Faculty Postgraduate Research Day

8 JAN 2021  
0915 – 1630  
ZOOM INTO SCIENCE



**The Pollen Tube Tip-Vesicles**  
LIU Zhiqi  
Year 3 PhD Student in Cell and Molecular Biology



**Synthesis and Reactivity of Tantalum Alkyne Complexes Supported by Linked Cyclopentadienyl-Carboranyl Ligand**  
YANG Jingting  
Year 5 PhD Student in Chemistry



**Studying the Functional Link between Cerebellum and Autism in a Preclinical Autism Mouse Model**  
MA Sum Yi  
Year 4 PhD Student in Cell and Molecular Biology



**A Fast and Stable Direct Sampling Method for Computerized Tomography**  
HAN Fuqun  
Year 1 PhD Student in Mathematics



**The Histone Modification H3k4me3 Marks Functional Genes in Soybean Nodules**  
WANG Qianwen  
Year 6 PhD Student in Molecular Biotechnology



**Weak Galerkin Method for Electrical Impedance Tomography**  
LIANG Ying  
Year 5 PhD Student in Mathematics



**Dissecting the Pathogenic Mechanisms of Spinocerebellar Ataxia Induced by CCDC88C Mutations in Mice**  
YANG Huan  
Year 2 PhD Student in Biochemistry



**Interquantile Smoothness in Censored Quantile Regressions**  
CAI Zexi  
Year 2 MPhil Student in Risk Management Science



**Simulating Physics at the Extremes: The Birth and Behaviour of Compact Objects**  
CHEONG Chi Kit  
Year 4 PhD Student in Physics



**Bayesian Causal Mediation Analysis with Latent Mediators and Survival Outcome**  
SUN Rongqian  
Year 2 PhD Student in Statistics



**Cosmos Compasses – How to Read Them and What Have We Learned**  
GU Qilao  
Year 5 PhD Student in Physics



**Oxidation of Organosulfates at the Aerosol Surface: A Missing Source of Atmospheric Aerosol Sulfate**  
XU Rongshuang  
Year 3 PhD Student in Earth & Atmospheric Sciences



**Catalytic Artificial Organelles, Multi-Enzyme Assemblies for Terpene Biosynthesis**  
WEI Qixin  
Year 4 PhD Student in Chemistry



**The Frictional Strength on Faults: A Critical Factor in Controlling Earthquake Occurrence**  
YAO Suli  
Year 4 PhD Student in Earth & Atmospheric Sciences