



# SCHOOL OF LIFE SCIENCES RESEARCH DAY 2020

26 September 2020

Registration: <https://www.cuhk.edu.hk/lifesciences/research-day>



**Stout camphor tree genome: massive diversification and evolution of Terpene synthase genes**

Professor Shu-Miaw CHAW, Biodiversity Research Center, Academia Sinica, Taiwan



**Cell-nano interactions of non-cationic bionanomaterials**

Professor Jonathan CHOI, Department of Biomedical Engineering



**Protein chemistry: from basic science to translational research (infection, osteoarthritis and autism)**

Professor Jiang XIA, Department of Chemistry



**Introduction of SLS**  
Professor Kam Bo WONG



**Concluding Remarks**  
Professor Pang-Chui SHAW

## Plant Science and Biodiversity



**Genomes of jellyfish, millipede, and tree – new models for understanding biodiversity and environmental issues?**

Professor Jerome HUI



**Changes in the Plasmodesma Structure and Permeability at the Bundle Sheath and Mesophyll Interface During the Maize C4 Leaf Development**

Professor Byung Ho KANG



**Genomic Research of Soybean and Its Implications**

Professor Hon-Ming LAM



**Genomic insights into the adaptations and diversification of Brachyuran crabs**

Professor Ling Ming TSANG



**Autophagosome biogenesis in plants and green algae**

Professor Xiaohong ZHUANG

## Translational Biomedicine and Structural Biology



**CAG RNAs Induce DNA Damage and Apoptosis in Polyglutamine Degeneration**

Professor Edwin CHAN



**Low-density lipoprotein receptor-related protein-6 (LRP6) cell surface availability regulates fuel metabolism in astrocytes.**

Professor Kim CHOW



**Critical role of Sox9 in blood-CSF barrier development and function**

Professor Kin Ming KWAN



**Structural basis of substrate recognition and thermal protection by a small heat shock protein**

Professor Wilson LAU



**How structural biology provides insight into how life works and opportunities for drug development**

Professor Kam Bo WONG