Symposium on

Engineering Complex Genetic Systems: Approaches and Applications

9th June 2017 Friday

Mrs Chen Yang Foo Oi Telemedicine Centre, 2/F, William Mong Block, LKS Faculty of Medicine Building, 21 Sassoon Road, Hong Kong

9:15 – 9:30 am	**Welcome and Opening Remarks** Dr. Alan Wong, The University of Hong Kong
9:30 – 10:00 am	**Invited Speaker** **"**Microfluidic Single-cell RNA-seq for Discovery of Novel Cell Types in Health and Disease**"** Dr. Angela Wu, Hong Kong University of Science and Technology
10:00 – 10:50 am	**Guest Lecture** "Synthetic Biological Tools for Probing and Perturbing Cellular Physiology" Dr. David Savage, University of California, Berkeley
10:50 - 11:10 am	Tea Break
11:10 – 11:40 pm	**Invited Speaker** **"**Engineering Nucleic Acid Nanostructures using Aptamers**"** Dr. Julian Tanner, The University of Hong Kong
11:40 – 12:30 pm	**Guest Lecture** **"**Technologies for Precise Gene Editing**"** Dr. James Dahlman, Georgia Institute of Technology and Emory School of Medicine
02:15 – 02:45 pm	**Invited Speaker** **"**Modeling Cancer Evolution Informs Precision Medicine in Glioblastoma**"** Dr. Jiguang Wang, Hong Kong University of Science and Technology
02:45 – 03:35 pm	**Guest Lecture** **"**Development and Evaluation of CRISPR-Cas systems for Genome Engineering**"** Dr. Meng-How Tan, Nanyang Technological University and Genome Institute of Singapore
03:35 – 03:55 pm	Tea Break
03:55 – 04:25pm	**Invited Speaker** **"**Engineered Red Blood Cells for Targeted Therapeutic Protein Delivery**"** Dr. Jiahai Shi, City University of Hong Kong
04:25 – 05:15 pm	**Plenary Lecture** **"**CRISPR/Cas9 Mediated Genome Editing of Stem Cells**"** Dr. Matthew Porteus, Stanford University
05:15 – 05:30 pm	**Closing Remarks**

ALL ARE WELCOME

Organized by: School of Biomedical Sciences, Li Ka Shing Faculty of Medicine, The University of Hong Kong
Department of Electrical and Electronic Engineering, Faculty of Engineering, The University of Hong Kong

Sponsored by: Biomedical Engineering and Nanotechnology, Strategic Research Theme, The University of Hong Kong