香港中文大學（深圳）
The Chinese University of Hong Kong, Shenzhen

醫學院

KIDD
KOBILKA INSTITUTE OF INNOVATIVE DRUG DISCOVERY

KIIDD symposium 2023, CUHK-Shenzhen

Date: 25th October, 2023 – 27th October, 2023

Time	Program
25th October, Wednesday	
	Host: Prof. Brian KOBILKA
01:00 p.m. – 04:00 p.m.	Registration and Poster set-up
04:00 p.m. – 04:30 p.m.	*Welcoming remark*
04:30 p.m. – 05:30 p.m.	Speaker: **Prof. Nieng YAN, SMART** *Title: Structural Pharmacology of Nav Channels*

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Time	Program
26th October, Thursday	
	Host: Prof. Xue GUO
09:00 a.m. – 09:40 a.m.	Speaker: **Prof. Liang FENG, Stanford University** *Title: Transport and Thiazide Inhibition Mechanisms of Cation-chloride Cotransporter*
09:40 a.m. – 10:10 a.m.	Speaker: **Prof. Yulong LI, Peking University** *Title: Spying on Neuromodulation by Constructing GPCR-based Sensors*
10:10 a.m.- 10:40 a.m.	Speaker: **Prof. Daniel HILGER, Philipps University of Marburg** *Title：Leveraging Cell-Free Synthesized GPCRs for Structural Elucidation of G Protein Complexes in Lipid Nanodisc Environments*
10:40 a.m. – 11:00 a.m.	Break
11:00 a.m. – 11:40 a.m.	Speaker: **Prof. Eric XU, Shanghai Institute of Materia Medica, Chinese Academy of Sciences** *Title: Mechanism of GPCR-transducer Coupling and Basis of Biased Signaling*
11:40 a.m. – 12:10 a.m.	Speaker: **Prof. Yang DU, CUHK-Shenzhen** *Title: Structure, Function, and Drug Discovery of GPCRs in the Nervous System*

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Time	Program
	Host: Prof. Zheng LIU
02:10 p.m. – 02:40 p.m.	Speaker: **Prof. Ming-Yuan SU, SUSTech** *Title: Amino Acid Sensing Mechanisms in mTORC1 Signaling*
02:40 p.m. – 03:10 p.m.	Speaker: **Prof. Jinpeng SUN, Shandong University and Peking University** *Title: Ligand and function study of aGPCRs and identification of sound and equilibration receptors*
03:10 p.m. – 03:30 p.m.	Break
03:30 p.m. – 04:00 p.m.	Speaker: **Prof. Goran STJEPANOVIC, CUHK-Shenzhen** *Title: Structural Basis for Lipid Transfer by the ATG2A-ATG9A Complex*
04:00 p.m. – 04:30 p.m.	Speaker: **Prof. Hongli HU, CUHK-Shenzhen** *Title: Structural Insights into the Activation and Inhibition of CXC Chemokine Receptor 3(CXCR3)*

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Time	Program
27th October, Friday	
	Host: Prof. Richard YE
09:00 a.m. – 09:40 a.m.	Speaker: **Prof. Yigong SHI, Westlake University** *Title: Mechanism of RNA Splicing by the Spliceosome*
09:40 a.m. – 10:20 a.m.	Speaker: **Dr. Jin LI, HitGen Inc.** *Title: Evolving DEL Technology to Meet Drug Discovery Needs*
10:20 a.m. – 10:50 a.m.	Speaker: **Prof. Maofu LIAO, SUSTech** *Title: Cryo-EM Driven Paradigm Shift of ABC Transporter Mechanism*
10:50 a.m. – 11:00 a.m.	Break
11:00 a.m. – 11:40 a.m.	Speaker: **Prof. Brian SHOICHET, UCSF** *Title: Following the Rabbit into Chemical Space*
11:40 a.m. – 12:20 p.m.	Speaker: **Prof. Changwen JIN, Peking University** *Title: Structural Dynamics of β-arrestin-1 by NMR Spectroscopy*

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Time	Program
	Host: Prof. Ying-Chih CHIANG
02:00 p.m. – 02:40 p.m.	Speaker: **Prof. Youxing JIANG, The University of Texas Southwestern Medical Center** *Title: Structural Insights into the Assembly, Gating, and Selectivity of Mitochondrial Calcium Uniporter*
02:40 p.m. – 03:10 p.m.	Speaker: **Prof. Ka Young CHUNG, Sungkyunkwan University** *Title: The Alpha-Helical Domain of G-alpha, a New Regulator of G protein Signaling*
03:10 p.m. – 03:30 p.m.	Break
03:30 p.m. – 04:00 p.m.	Speaker: **Prof. Hideaki KATO, The University of Tokyo** *Title: Dynamic Recognition and Activation of G proteins by Neurotensin Receptor 1*
04:00 p.m. – 04:30 p.m.	Speaker: **Prof. Xiangyu LIU, Tsinghua University** *Title: A SPS Method for GPCR Drug Screening*
04:30 p.m. – 05:10 p.m.	Speaker: **Prof. Brian KOBILKA, Stanford University** *Title: Challenges in Drug Discovery for G Protein Coupled Receptors*
05:10 p.m. – 05:30 p.m.	Closing remarks