

2nd KPU International Symposium

Day1 March 10th (Tue)		
Session1:Cutting Edge Technologies for Pharmaceutical Science		
13:00	Opening Remark	
13:10	Takeshi Sato	Kyoto Pharmaceutical University
	What's Going on in the Membrane?—Molecular Dynamics Meets Causality	
13:30	Yu Ishima	Kyoto Pharmaceutical University
	Riding the Albumin Highway: A New Frontier in Cancer Drug Delivery	
14:00	Yuki Kiguchi	Kyoto Pharmaceutical University
	Applications of High-Affinity Artificial Antibody Fragments: Toward the Development of Competitive Digital ELISA	
14:30	Xiaolin Cheng	Ohio State University
	AI-Driven Drug Discovery: Bridging Data-Driven Models with Biophysical Simulations	
15:30	Yuichi Sekine	Kyoto Pharmaceutical University
	Elucidating the mechanisms of axon regeneration in CNS: Insights from genome-wide screening	
16:00	Blake Peterson	Ohio State University
	Fluorescent Probes of Engagement of Drug Targets by Small Molecules in Living Cells	
Session2:Drug Discovery and Pharmacological Sciences		
16:30	Shinji Kobuchi	Kyoto Pharmaceutical University
	Pharmacometric approaches to optimize chemotherapy in colorectal and pancreatic cancer: predicting therapeutic efficacy, toxicity, and prognosis	
17:00	Deanna Kroetz	Ohio State University
	iPSC-derived models for understanding drug-induced neurotoxicity	
Day2 March 11th (Wed)		
Session3:Organic Chemistry & Chemical Biology for Pharmaceutical Science		
9:30	Yusuke Kobayashi	Kyoto Pharmaceutical University
	Molecular Technologies for the Design and Synthesis of Prodrugs Targeting Amide-Containing Pharmaceuticals	
10:00	Keisuke Tomohara	Kyoto Pharmaceutical University
	Synthesis of unnatural peptides <i>via in situ</i> construction of α,α -disubstituted amino acid units	
10:30	Mark Mitton-Fry	Ohio State University
	New Drugs to Treat MDR Infections	
11:00	Kristian Strømgaard	University of Copenhagen
	Targeting receptor complexes with therapeutic peptides	
Session4:Understanding Disease Mechanisms		
12:45	Eri Kawashita	Kyoto Pharmaceutical University
	Fibrinolysis Modulation for Brain Protection and Recovery After Cerebral Ischaemia	
13:15	Kaneyasu Nishimura	Doshisha University
	Modeling pathological features of neurodegenerative diseases using human iPSC-derived brain organoids.	
13:45	Hidekazu Kawashima	Kyoto Pharmaceutical University
	Translational research based on the <i>in vivo</i> patho-functional analysis using small animal SPECT/CT	
14:15	Sara Neyt	Ghent University
	Advancing Translational Research Through Preclinical Imaging: Multimodal PET/SPECT/MRI/CT Studies at Core Facility Infinity	
Session5:Cancer Biology and Therapeutic Strategies		
15:15	Susumu Nakata	Kyoto Pharmaceutical University
	A therapeutic approach that disrupts the antioxidant control of cancer cells by blocking the supply of cysteine and inducing ferroptosis.	
15:45	Violaine Goidts	German Cancer Research Center,
	Deciphering resistance mechanisms in glioblastoma ~a journey towards innovative technology development~	
16:15	I-Chun Chen	National Taiwan University, Cancer Center
	Optimize immunotherapy for ER positive/ HER2 negative metastatic breast cancer:from bedside to bench	
16:45	Chiun Hsu	National Taiwan University, Cancer Center
	Immunotherapy for advanced hepatocellular carcinoma: looking into the interaction between innate and adaptive immunity.	