The 8th Institute for Refractory Cancer Research International Symposium

Cancer Evolution and Heterogeneity

		The 8th IRCR International Symposium		
1/13 (Fri)	09:00~09:45	Registration		
	09:45~10:00	Opening Remarks		
		Welcome Address		
	[Keynote Lecture] Spatial and Temporal Evolution of Glioblastoma			
	10:00~10:30	Spatiotemporal Architecture of Brain Tumors	Raul Rabadan, Ph.D.	Columbia University
	10:30~11:00	Space-time Genomic Architecture Informs Precision Oncology in Glioblastoma	Jiguang Wang, Ph.D.	Hong Kong University of Science and Technology
	11:00~11:25	Gene-drug Association Screening for Precision Oncology	Jin-Ku Lee, M.D., Ph.D.	Samsung Medical Center
	11:25~11:40	Coffee Break		
	[SessionI] Cancer Evolution and Heterogeneity in Refractory Cancer			
	11:40~12:00	Using 5-ALA Fluorescence-guided Surgery to Interrogate Evolutionary Dynamics of GBM	Colin Watts, M.D., Ph.D.	University of Cambridge
	12:00~12:20	Diagnosing Un-occurred Disease State by Big-Data: Revealing Dark Matter in Biological Data by Dynamical Network Biomarkers	Luonan Chen, Ph.D.	Shanghai Institutes for Biological Sciences
	12:20~12:40	The Characteristics of Molecular Profile Changes in Recurrent Lower Grade Gliomas and Their Implication for Therapeutic Strategy	Akitake Mukasa, M.D., Ph.D.	The University of Tokyo
	12:40~13:00	Phenotype-driven Precision Oncology to Predict Tumor Evolution and Treatment Response	Ramanuj DasGupta, Ph.D.	Genome Institute of Singapore, A*STAR
	13:00~14:30	Lunch		
	[SessionII] Clinical Impact of Cancer Evolution and Heterogeneity			
	14:30~14:50	Intra-tumoral Genomic Heterogeneity in Hepatocellular Carcinoma and its relevance to Liver Surgery and Precision Medicine	Pierce Chow, M.D., Ph.D.	National Cancer Centre Singapore
	14:50~15:10	In vivo Xenograft for HCC Subtyping by Hepatocytic Lineage	Yock Young Dan, M.D., Ph.D.	National University Health System
	15:10~15:25	Multicenter Study for Spatial and Temporal Intratumoral Heterogeneity and Drug Screening Test	Heon Yoo, M.D., Ph.D.	National Cancer Center
	15:25~15:45	Molecular Classification of Adult Gliomas	Koichi Ichimura, M.D., Ph.D.	National Cancer Center Japan
	15:45~16:05	Impact of Genetic Analysis on Diagnosis and Treatment of Glioma in the Era of the New WHO Classification	Shota Tanaka, M.D., Ph.D.	The University of Tokyo
	16:05~16:20	Coffee Break		
	[SessionIII] Translational Research: Breakthrough Heterogeneity			
	16:20~16:40	Topological Summaries of Tumor Images Improve Prediction of Disease Free Survival in Glioblastoma Multiforme	Anthea Monod, Ph.D.	Columbia University
	16:40~16:55	Clinical Implication of Quantitative Radiogenomic Profile	Doo-Sik Kong, M.D., Ph.D.	Samsung Medical Center
	16:55~17:15	Telomerase Reactivation in Cancer: Mechanistic Insights and Therapeutic Opportunities	Vinay Tergaonkar, Ph.D.	Institute of Molecular and Cell Biology, A*STAR
	17:15~17:30	3D Cell-based High Throughput/Content Screening using Pilar/Well Platform	Dong Woo Lee, Ph.D.	Samsung Medical Center
	17:30~17:45	Transglutaminase 2 Modulates Mesenchymal Transdifferentiation of Glioma Stem Cell via Regulation of C/EBPbeta Signaling	Jong Bae Park, Ph.D.	National Cancer Center
	17:45~18:00	Closing		