

The 10th GCB Biomedical Science and Engineering Symposium

Dates : August 20 (Sun), 2023

Venue : <Hybrid Event> Hokkaido University and Online via Zoom

<Tentative>

As of

2023/8/8

Starting Time	Ending Time	Starting Time	Ending Time	Opening remarks	Virtual Speaker	
JST		PDT				
8:30	~ 8:35	16:30	~ 16:35	From Hokkaido University	Prof. Shigetsugu Hatakeyama Director of Global Center for Biomedical Science and Engineering Dean, Faculty of Medicine Hokkaido University	
8:35	~ 8:40	16:35	~ 16:40	From Stanford University	Prof. Lei Xing Professor and Director of Medical Physics Division Department of Radiation Oncology School of Medicine, Stanford University	✓
8:40	~ 10:30	16:40	~ 18:30	Radiation-induced tumor and immune responses	Virtual Speaker	
				Session Chair : Dr. Yasuhito Onodera		
8:40	~ 9:25	16:40	~ 17:25	Engaging intratumoral dsRNA sensors to potentiate the radiation-induced immune response	Dr. Anusha Kalbasi Associate Professor Department of Radiation Oncology Stanford University	✓
9:25	~ 10:10	17:25	~ 18:10	Enhancing phagocytosis to magnify radiotherapy-induced in situ tumor vaccination	Dr. Rodney Cheng-En Hsieh Assistant Professor Chang Gung Memorial Hospital Taiwan	
10:10	~ 10:30	18:10	~ 18:30	Discussion	<Discussant> Dr. Ping-Hsiu Wu (Taipei Medical University)	✓
10:30	~ 12:00	18:30	~ 20:00	Advancements in radiotherapy: treatment planning and delivery	Virtual Speaker	
				Session Chair : Dr. Seishin Takao		
10:30	~ 11:10	18:30	~ 19:10	New indications for external beam radiation therapy in metastatic disease	Dr. Michael Gensheimer Associate Professor Department of Radiation Oncology Stanford University	✓
11:10	~ 11:35	19:10	~ 19:35	Radiobiological impact of dose delivery time structure in proton therapy	Dr. Koki Kasamatsu National Institutes for Quantum Science and Technology	
11:35	~ 12:00	19:35	~ 20:00	MR to CT synthesis for MR-integrated Adaptive Proton Therapy	Dr. Takaaki Yoshimura Assistant Professor Faculty of Health Sciences Hokkaido University	
BREAK						
13:00	~ 14:40	21:00	~ 22:40	Radiotherapy Strategies for oligometastasis	Virtual Speaker	
				Session Chair : Prof. Hidefumi Aoyama		
13:00	~ 13:30	21:00	~ 21:30	Radiotherapy for oligometastasis; current status of Hokkaido University Hospital	Dr. Yusuke Uchinami Assistant Professor Department of Radiation Oncology Hokkaido University	
13:30	~ 14:20	21:30	~ 22:20	Understanding oligometastatic disease	Prof. Yong Chan Ahn Dept. of Radiation Oncology Samsung Medical Center Sungkyunkwan University School of Medicine	
14:20	~ 14:40	22:20	~ 22:40	Discussion		
BREAK						
15:00	~ 16:50	23:00	~ 0:50	Advanced Neuroimaging	Virtual Speaker	
				Session Chair : Prof. Kohsuke Kudo		
15:00	~ 15:30	23:00	~ 23:30	Neurofluids dynamics by MR imaging	Dr. Hiroyuki Kameda Assistant Professor Dental Radiology, Department of Oral Pathobiological Science Hokkaido University	
15:30	~ 16:00	23:30	~ 0:00	AI-assisted neuroimaging in nuclear medicine	Dr. Kenji Hirata Associate Professor Department of Diagnostic Imaging Hokkaido University	
16:00	~ 16:30	0:00	~ 0:30	Advanced Imaging in Patients With Brain Metastases	Dr. Haris Sair Director of Neuroradiology Associate Professor of Radiology and Radiological Science Johns Hopkins University	
16:30	~ 16:50	0:30	~ 0:50	Discussion		
Closing remarks						
16:50	~ 17:00	0:50	~ 1:00	From Hokkaido University	Prof. Yuji Kuge	

Stanford Time JST-16
 *Summer time: USA