

The 11th GCB Biomedical Science and Engineering Symposium

Dates : August 18(Sun), 2024

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

As of

2024/8/17

Starting Time	Ending Time	Starting Time	Ending Time			
JST		PDT				
Opening remarks						
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	Virtual Speaker
8:35	~ 8:40	16:35	~ 16:40	From Stanford University	Prof. Quynh-Thu Le Professor and Chair Department of Radiation Oncology School of Medicine, Stanford University	✓
Physics						
8:40	~ 10:30	16:40	~ 18:30	Session Chair : Dr.Taeko Matsuura (GCB, Hokkaido University) Dr.Cheng-Ying Shiau (Taipei Veteran general Hospital)		Virtual Speaker
8:40	~ 9:10	16:40	~ 17:10	Automation & Artificial Intelligence in Radiation Oncology- Stanford Experiences	Dr. Yong Yang Clinical Professor Department of Radiation Oncology Stanford University	
9:10	~ 9:30	17:10	~ 17:30	Advances in Large Language Models and Their Applications in Radiation Therapy	Dr.Xianjin Dai Assistant Professor Department of Radiation Oncology Stanford University	✓
9:30	~ 9:50	17:30	~ 17:50	Carbon ion radiotherapy in upright position and potential impacts of deep learning	Dr. Yusuke Nomura Researcher National Institutes for Quantum Science and Technology	
9:50	~ 10:10	17:50	~ 18:10	Developing a Radiation Oncology Assistant with Large Language Models (LLMs)	Dr. Chun-You Chen Director of AI Center, Wan Fang Hospital Taiwan Associate Executive Officer, TMU Biosign Center	
BREAK						
10:30	~ 11:30	18:30	~ 19:30	H&N Session Chair : Dr. Jo-Ting Tsai (Taipei Medical University Shuang-Ho Hospital) Dr.Masayuki Matsuo (Gifu University Graduate School of Medicine) Commentator : Dr. K.S.Clifford Chao (China Medical University Hospital)		Virtual Speaker
10:30	~ 11:00	18:30	~ 19:00	Treatment Strategy for Synchronous Head and Neck and Esophageal Squamous Cell Carcinoma	Dr. Yu-Jen Chen Senior Attending Physician Department of Radiation Oncology Mackay Memorial Hospital	
11:00	~ 11:30	19:00	~ 19:30	Japanese Clinical trial for head and neck cancer : past, current, future	Dr.Takeshi Kodaira Director Department of Radiation Oncology Aichi Cancer Center Hospital	
LUNCH BREAK						
13:30	~ 15:00	21:30	~ 23:00	Diagnostic Imaging/Radiation Oncology Session Chair : Dr. Takaaki Yoshimura (GCB, Hokkaido University) Dr. Sandy Cheng-Yu Chen (College of Medicine, Taipei Medical University)		Virtual Speaker
13:30	~ 14:00	21:30	~ 22:00	Artificial Intelligence in automated radiation treatment planning	Dr. Noriyuki Kadoya Assistant Professor Department of Radiation Oncology Tohoku University Hospital	
14:00	~ 14:30	22:00	~ 22:30	Expectations for AI in Breast Imaging Diagnostics: Current Status and Outlook	Dr. Tomoyuki Fujioka Associate Professor Department of Artificial Intelligence Radiology Tokyo Medical and Dental University	
14:30	~ 15:00	22:30	~ 23:00	Toward the Era of AI Assisted Radiation Oncology: An Imaging Perspective	Dr. Wan-Yuo Guo Professor Department of Radiology Taipei Veterans General Hospital National Yang-Ming Chiao-Tung University and China Medical University Hospital	
BREAK						
15:15	~ 16:45	23:15	~ 0:45	Diagnostic Imaging Session Chair : Prof. Kosuke Kudo (GCB, Hokkaido University) Dr. Seung Hong Choi (Seoul National University College of Medicine)		Virtual Speaker
15:15	~ 15:45	23:15	~ 23:45	Super-Resolution Networks in Medical Image	Dr. Takaaki Yoshimura Assistant Professor Faculty of Health Sciences GCB, Hokkaido University	
15:45	~ 16:15	23:45	~ 0:15	Deep learning application for head and neck imaging	Dr. Noriyuki Fujima Senior Lecturer Department of Diagnostic and Interventional Radiology GCB, Hokkaido University	
16:15	~ 16:45	0:15	~ 0:45	AI in Oncologic Imaging	Dr. Melissa Chen Associate Professor Department of Neuroradiology MD Anderson Cancer Center	
Closing remarks						
16:50	~ 17:00	0:50	~ 1:00	From Hokkaido University	Prof. Yuji Kuge Deputy Director of Global Center for Biomedical Science and Engineering Hokkaido University	

Stanford Time JST-16
*Summer time: USA