Imaging Summit 2025

國際影像高峰會

10.25 (六) 09:00 - 17:55



4F, Cheng-Pu Conference Hall, Comprehensive Medical Building (Front Building), Taipei Medical University

學會敎育積分申請

中華民國放射線醫學會放射診斷科專科醫師

教育積點4點、認定時數6小時

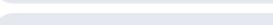
中華民國神經放射線醫學會 30 學分

09:50-10:10 Congenital S	Spine Malformations: nd Practice
	arbon: Balancing Al ic aspirations with tal costs

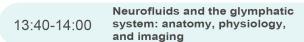








12:15-12:35



Neuro-metabolic Disorders



Glymphatic neuroimaging 14:30-14:50 in dementia

Imaging of Glymphatic pathway 14:55-15:15 in mild traumatic brain injury (mTBI)

Imaging studies play important 15:40-16:00 roles in elucidating the pathology of Parkinson's disease

Neuroimaging in Cognition: 16:05-16:25 MRI-Based Advances and **Emerging Insights**

Cardiovascular and Neurovascular 16:30-16:50 contributions to Brain Health and **CNS** Degeneration

What are Agentic Al and Context 16:55-17:15 Engineering? How to apply them to radiology and oncology?

Potential Imaging Biomarker of 17:20-17:40 **Degeneration with Magnetic** Resonance Fingerprinting



Prof. Mai-Lan Ho (M.D., USA)

Vice Chair, Clinical Radiology, University of Missouri, Columbia, MO Medical Director, Radiology, University of Missouri, Columbia, MO Director, Interdisciplinary Neuroscience Program, University of Missouri, Columbia, MO



Prof. Meng Law (M.D., Australia)

Program Director & Chair Radiology and Nuclear Medicine, Alfred Health Professor of Radiology, Monash University

Director of iBRAIN Program -integrated Bioinformatics Research in AI and Neuroimaging, Monash University



Associate Prof. Peter Chang (M.D., USA)

Associate Professor, Department of Radiological Sciences, University of California, Irvine

Director, Applied Artificial Intelligence Research, Institute for Precision Health, University of California, Irvine



Prof. Noriko Aida (M.D., Ph.D., Japan)

Department of Radiology, Kanagawa Children's Medical Center Visiting Professor of Diagnostic Radiology, Yokohama City University Graduate School of Medicine, Yokohama, Japan



Prof. Mai-Lan Ho (M.D., USA)

Vice Chair, Clinical Radiology, University of Missouri, Columbia, MO Medical Director, Radiology, University of Missouri, Columbia, MO Director, Interdisciplinary Neuroscience Program, University of Missouri, Columbia, MO



Prof. Noriko Aida (M.D., Ph.D., Japan)

Department of Radiology, Kanagawa Children's Medical Center Visiting Professor of Diagnostic Radiology, Yokohama City University Graduate School of Medicine, Yokohama, Japan



Prof. Toshiaki Taoka (M.D., Ph.D., Japan)

Professor. Department of Innovative Biomedical Visualization (iBMV), Graduate School of Medicine, Nagoya University



Assistant Prof. Chia-Hung Wu (M.D., Ph.D., Taiwan)

Attending Radiologist, Department of Radiology, Taipei Veterans General

Assistant Professor, School of Medicine, National Yang Ming Chiao Tung



Prof. Seung Hong Choi (M.D., Ph.D., Korea)

Professor, Department of Radiology, Seoul National University College of Medicine and Seoul National University Hospital

Professor and director, Digital Healthcare Program, School of Transdisciplinary Innovations, Seoul National University



Associate Research Fellow, Yi-Tien Li (Ph.D., Taiwan)

Associate Research Fellow, Research Center for Neuroscience, Taipei Medical University Adjunct Assistant Professor, Ph.D. Program in Medical Neuroscience, College of Medical Science and Technology, Taipei Medical University



Prof. Kei Yamada (M.D., Ph.D., Japan)

Professor and Chair, Department of Radiology, Kyoto Prefectural University of Medicine



Associate Prof. Khin Khin Tha (M.D., Ph.D., Japan)

Global Center for Biomedical Science and Engineering, Hokkaido University Faculty of Medicine



Prof. Meng Law (M.D., Australia)

Program Director & Chair Radiology and Nuclear Medicine, Alfred Health Professor of Radiology, Monash University Director of iBRAIN Program -integrated Bioinformatics Research in Al and Neuroimaging, Monash University



Assistant Prof. Rennie Yung-Chieh Chen

(M.D., Ph.D., Taiwan)

Assistant professor, Department of Radiology, School of Medicine, Taipei Medical University Attending Neuroradiologist, Department of Medical Imaging, Taipei Medical



Philo Lu (Taiwan)

Senior Research Collaboration Scientist, Siemens Healthineers

Imaging Summit 2025

國際影像高峰會

Date: Oct. 25th (Saturday) 2025

Venue: 4F, Cheng-Pu Conference Hall, Comprehensive Medical Building (Front Building),

Taipei Medical University, Taiwan

臺北醫學大學 醫學綜合大樓前棟4樓 誠樸廳

Main theme: Update on Neuroimaging 2025: From Developing to Degenerative CNS

Agenda

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09:00-09:30	Registration	n
09:00-09:30	Tea Break	
09:30-09:35	Opening	
	Speaker	Prof. Chun-Ming Shih
		Superintendent of Taipei Medical University Hospital
09:35-09:40	Opening	
	Speaker	Prof. Sandy Cheng-Yu Chen
		Chair, Imaging Summit
09:40-09:50	Group phot	: o
09:50-10:10	Congenital	Spine Malformations: Principles and Practice
	Speaker	Prof. Mai-Lan Ho (M.D., USA)
		Vice Chair, Clinical Radiology, University of Missouri, Columbia, MO
		Medical Director, Radiology, University of Missouri, Columbia, MO
		Director, Interdisciplinary Neuroscience Program, University of
		Missouri, Columbia, MO
	Moderator	Prof. Sandy, Cheng-Yu Chen
		Distinguished Professor, Department of Radiology, College of
		Medicine, Taipei Medical University
10:15-10:35	Silicon vs Ca	arbon: Balancing AI and scientific aspirations with environmental costs
	Speaker	Prof. Meng Law (M.D., Australia)
		Program Director & Chair Radiology and Nuclear Medicine, Alfred
		Health
		Professor of Radiology, Monash University
		Director of iBRAIN Program -integrated Bioinformatics Research in AI
		and Neuroimaging, Monash University
	Moderator	Associate Prof. Alex Mun-Ching Wong
		Radiologist, Department of Medical Imaging, Linkou Chang Gung
		Memorial Hospital

10:40-11:00	Current Sta	tus of AI in Neuroimaging	
	Speaker	Associate Prof. Peter Chang (M.D., USA)	
		Associate Professor, Department of Radiological Sciences, University	
		of California, Irvine	
		Director, Applied Artificial Intelligence Research, Institute for Precision	
		Health, University of California, Irvine	
	Moderator	Prof. Wing P. Chan	
		Professor, Department of Radiology, College of Medicine, Taipei	
		Medical University	
11:05-11:25	Tea Break		
11:25-11:45	Neuroimaging Techniques for Children		
	Speaker	Prof. Noriko Aida (M.D., Ph.D., Japan)	
		Department of Radiology, Kanagawa Children's Medical Center	
		Visiting Professor of Diagnostic Radiology, Yokohama City University	
		Graduate School of Medicine, Yokohama, Japan	
	Moderator	Prof. Yuan-Hsiung Tsai	
		Radiologist, Department of Medical Imaging, Chiayi Chang Gung	
		Memorial Hospital	
11:50-12:10	Congenital	Brain Anomalies: A Mechanistic Approach	
	Speaker	Prof. Mai-Lan Ho (M.D., USA)	
		Vice Chair, Clinical Radiology, University of Missouri, Columbia, MO	
		Medical Director, Radiology, University of Missouri, Columbia, MO	
		Director, Interdisciplinary Neuroscience Program, University of	
		Missouri, Columbia, MO	
	Moderator	Assistant Prof. Rennie Yung-Chieh Chen	
		Assistant professor, Department of Radiology, School of Medicine,	
		Taipei Medical University	
12:15-12:35	Neuro-meta	abolic Disorders	
	Speaker	Prof. Noriko Aida (M.D., Ph.D., Japan)	
		Department of Radiology, Kanagawa Children's Medical Center	
		Visiting Professor of Diagnostic Radiology, Yokohama City University	
		Graduate School of Medicine, Yokohama, Japan	
	Moderator	Associate Prof. Shinn-Forng Peng	
		Associate Professor of Radiology, College of Medicine, National	
		Taiwan University	
12:40-13:40	Lunch Break	· <	
13:40-14:00	Neurofluids	and the glymphatic system: anatomy, physiology, and imaging	
	Speaker	Prof. Toshiaki Taoka (M.D., Ph.D. , Japan)	
	-	Professor, Department of Innovative Biomedical Visualization (iBMV),	
		Graduate School of Medicine, Nagoya University	
	Moderator		
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		Chairman, Department of Medical Imaging, Taipei Medical University Hospital	
14:05-14:25	Neuroimaging of human glymphatic dynamics in disease models		
	Speaker	Assistant Prof. Chia-Hung Wu (M.D., Ph.D., Taiwan)	
		Attending Radiologist, Department of Radiology, Taipei Veterans	
		General Hospital	
		Assistant Professor, School of Medicine, National Yang Ming Chiao	
		Tung University	
	Moderator	Prof. Chung-Jung Lin	
		Professor of Radiology, Faculty of Medicine, National Yang Ming Chiao	
		Tung University	
14:30-14:50	Glymphatic	neuroimaging in dementia	
	Speaker	Prof. Seung Hong Choi (M.D., Ph.D., Korea)	
		Professor, Department of Radiology, Seoul National University College	
		of Medicine and Seoul National University Hospital	
		Professor and director, Digital Healthcare Program, School of	
		Transdisciplinary Innovations, Seoul National University	
	Moderator	Assistant Prof. Yueh-Hsun Lu	
		Assistant Professor, Department of Radiology, School of Medicine,	
		College of Medicine, Taipei Medical University	
14:55-15:15	Imaging of	Glymphatic pathway in mild traumatic brain injury (mTBI)	
	Speaker	Associate Research Fellow, Yi-Tien Li (Ph.D., Taiwan)	
		Associate Research Fellow, Research Center for Neuroscience, Taipei	
		Medical University	
		Adjunct Assistant Professor, Ph.D. Program in Medical Neuroscience,	
		College of Medical Science and Technology, Taipei Medical University	
	Moderator	Associate Prof. Li-Chun Hsieh	
		Chairman, Department of Radiology, School of Medicine, Taipei	
		Medical University	
15:20-15:40	Tea Break		
15:40-16:00	Imaging stu	dies play important roles in elucidating the pathology of Parkinson's	
	disease		
	Speaker	Prof. Kei Yamada (M.D., Ph.D., Japan)	

Professor and Chair, Department of Radiology, Kyoto Prefectural
University of Medicine

Moderator Associate Prof. Ya-Fang Chen

Associate Professor of Radiology, College of Medicine, National

Taiwan University

16:05-16:25 Neuroimaging in Cognition: MRI-Based Advances and Emerging Insights

Speaker Associate Prof. Khin Khin Tha (M.D., Ph.D., Japan)

Global Center for Biomedical Science and Engineering, Hokkaido

University Faculty of Medicine

Moderator Assistant Prof. David Yen-Ting Chen	1
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Assistant Professor, Department of Radiology, School of Medicine,

College of Medicine, Taipei Medical University

16:30-16:50 Cardiovascular and Neurovascular contributions to Brain Health and CNS Degeneration

Speaker Prof. Meng Law (M.D., Australia)

Program Director & Chair Radiology and Nuclear Medicine, Alfred

Health

Professor of Radiology, Monash University

Director of iBRAIN Program -integrated Bioinformatics Research in AI

and Neuroimaging, Monash University

Moderator Assistant Prof. Yen-Jun Lai

Chief of Medical Imaging, Radiology Department, Far Eastern

Memorial Hospital

16:55-17:15 What are Agentic AI and Context Engineering? How to apply them to radiology and oncology?

Speaker Assistant Prof. Rennie Yung-Chieh Chen (M.D., Ph.D., Taiwan)

Assistant professor, Department of Radiology, School of Medicine,

Taipei Medical University

Attending Neuroradiologist, Department of Medical Imaging, Taipei

Medical University Hospital

Moderator Prof. Kei Yamada

Professor and Chair, Department of Radiology, Kyoto Prefectural

University of Medicine

17:20-17:40 Potential Imaging Biomarker of Degeneration with Magnetic Resonance Fingerprinting

Speaker Philo Lu (Taiwan)

Senior Research Collaboration Scientist, Siemens Healthineers

Moderator Prof. Jiing-Feng Lirng

Chairman, Department of Radiology, School of Medicine, National

Yang Ming Chiao Tung University

17:45-17:55 **Closing Remarks**

Speaker Prof. Sandy, Cheng-Yu Chen (M.D., Taiwan)

Chair, Imaging Summit