

Imaging Summit 2025 國際影像高峰會



**10.25 SAT
(六)
09:00 - 17:55**

臺北醫學大學 醫學綜合大樓前棟4樓 誠樸廳
4F, Cheng-Pu Conference Hall, Comprehensive Medical Building (Front Building), Taipei Medical University
學會教育積分申請 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 Spine Malformations:
Principles and Practice**



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

10:15-10:35 **Silicon vs Carbon: Balancing AI
and scientific aspirations with
environmental costs**



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

10:40-11:00 **Current Status of AI in
Neuroimaging**



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

11:25-11:45 **Neuroimaging Techniques for
Children**



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

11:50-12:10 **Congenital Brain Anomalies:
A Mechanistic Approach**



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

12:15-12:35 **Neuro-metabolic Disorders**



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

13:40-14:00 **Neurofluids and the glymphatic
system: anatomy, physiology,
and imaging**



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

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

14:05-14:25 **Neuroimaging of human
glymphatic dynamics in
disease models**



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

14:30-14:50 **Glymphatic neuroimaging
in dementia**



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

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



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

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



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

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

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



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

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

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



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

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



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

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



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

09:00-09:30	Registration	
09:00-09:30	Tea Break	
09:30-09:35	Opening	
	<i>Speaker</i>	Prof. Chun-Ming Shih Superintendent of Taipei Medical University Hospital
09:35-09:40	Opening	
	<i>Speaker</i>	Prof. Sandy Cheng-Yu Chen Chair, Imaging Summit
09:40-09:50	Group photo	
09:50-10:10	Congenital Spine Malformations: Principles and Practice	
	<i>Speaker</i>	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
	<i>Moderator</i>	Prof. Sandy, Cheng-Yu Chen Distinguished Professor, Department of Radiology, College of Medicine, Taipei Medical University
10:15-10:35	Silicon vs Carbon: Balancing AI and scientific aspirations with environmental costs	
	<i>Speaker</i>	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
	<i>Moderator</i>	Associate Prof. Alex Mun-Ching Wong Radiologist, Department of Medical Imaging, Linkou Chang Gung Memorial Hospital

10:40-11:00	Current Status of AI in Neuroimaging
	<p><i>Speaker</i> 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</p> <p><i>Moderator</i> Prof. Wing P. Chan Professor, Department of Radiology, College of Medicine, Taipei Medical University</p>
11:05-11:25	Tea Break
11:25-11:45	Neuroimaging Techniques for Children
	<p><i>Speaker</i> 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</p> <p><i>Moderator</i> Prof. Yuan-Hsiung Tsai Radiologist, Department of Medical Imaging, Chiayi Chang Gung Memorial Hospital</p>
11:50-12:10	Congenital Brain Anomalies: A Mechanistic Approach
	<p><i>Speaker</i> 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</p> <p><i>Moderator</i> Assistant Prof. Rennie Yung-Chieh Chen Assistant professor, Department of Radiology, School of Medicine, Taipei Medical University</p>
12:15-12:35	Neuro-metabolic Disorders
	<p><i>Speaker</i> 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</p> <p><i>Moderator</i> Associate Prof. Shinn-Forng Peng Associate Professor of Radiology, College of Medicine, National Taiwan University</p>
12:40-13:40	Lunch Break
13:40-14:00	Neurofluids and the glymphatic system: anatomy, physiology, and imaging
	<p><i>Speaker</i> Prof. Toshiaki Taoka (M.D., Ph.D. , Japan) Professor, Department of Innovative Biomedical Visualization (iBMV), Graduate School of Medicine, Nagoya University</p> <p><i>Moderator</i> Dr. Sho-Jen Cheng</p>

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 studies 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**

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