

【活動轉知】【敬邀參加】10/15(六) Imaging Summit 2022 國際影

像高峰會暨日本、韓國、台灣、香港、新加坡神經放射研討會

9/15/2022 研發處

Imaging Summit 2022 國際影像高峰會暨日本、韓國、台灣、香港、新加坡神經放射研討會

第十二屆國際影像高峰會將與日本、韓國、台灣、香港、新加坡神經放射研討會 (JKTHS) 聯合於 2022 年 10 月 15 日 (六) 在臺北醫學大學舉辦。上午先進行 Imaging Summit。今年影像高峰會主題是「失智症：神經影像與人工智慧」(Dementia: NeuroImage and AI)，目前估計全世界有超過 5,500 萬人患有失智症，到 2050 年受影響的人數將增至 1.39 億，台灣在 2025 年將成為超高齡國家，是全世界老化曲線最快速的國家之一，因此必須針對老化失智的影像診斷與介入深入探討，以期能延緩老化達到高齡健康的國家層級目標，所以影像人工智慧已成為健康照護最重要的研究課題。今年大會邀請美國阿茲海默症腦神經影像計畫 (ADNI) 首席加州大學舊金山分校 Michael Weiner 教授演講 ADNI 的公開資料十年來的展望，同時也邀請 RSNA 頂級講師，紐約大學附設醫院神經影像與人工智慧教授 Yvonne Lui 探討影像人工智慧，尤其是失智影像 AI 目前狀況與未來運用專題演講。台灣神經醫學會理事長，也是雙和醫院失智症中心主任胡朝榮教授將深入探討失智症的臨床對策，尤其是多年來的新藥臨床試驗失敗，是不是我們長久以來以為阿茲海默症的分子致病原因 pTau 和 AB 類澱粉沉澱是錯誤的治療標的。全世界最老的國家，深受失智照護之苦的鄰近友邦日本京都大學 Kei Yamada 教授將深入淺出分享日本放射科如何因應這個超高齡社會，又如何使用 AI 工具來解決部分問題。同樣的在韓國，老化也是重要議題，首爾大學 Seung Hong Choi 教授將報告最先進的失智前期影像診斷工具與研究。最後回到台灣學術界，北醫大神經醫學研究中心李宜恬博士將報告最近一年轉譯影像實驗室使用東西方 ADNI 開放資料發展出來的 4D 合成腦失智預測系統。整個上午學術節目緊湊貫穿，歡迎大家現場參加討論。

下午學術活動更加精彩，將由日本、韓國、台灣、香港、新加坡神經放射學界所推薦的年輕學者來分享最先進的研究議題，這是延續早期 JKT 三國每年研討會的主軸，以年輕學者交流，資深老師協助介紹拉起序幕。今年由中華民國神經放射醫學會主辦，與會各國皆邀請該國中生代醫師講述最新研究，精彩可期。非常歡迎年輕放射科醫師參加瞭解亞洲神經放射科中生代研究現況。

本次會議採現場與線上直播，歡迎大家報名實體場與講師現場互動及交流。

日期：2022 年 10 月 15 日 星期六 08:30 ~ 17:35

地點：臺北醫學大學醫學綜合大樓前棟 4 樓 誠樸廳

實體場報名網址：<http://event.tmu.edu.tw/actnews/index.php?Sn=4475>

線上直播連結：<https://www.youtube.com/watch?v=PKzGhwocXU8>

本活動申請學分時數：

中華民國神經放射線醫學會 30 學分

中華民國放射線醫學會教育積分 8 分/ 認定時數 7 小時

臺北醫學大學教育訓練時數 7 小時(教師及職員)及 CFD 時數 7 小時，如需認列時數請上「教職員人才發展系統」登記報名實體場：

<https://ehrd.tmu.edu.tw/eHRD/eHRD0rg>

臺北醫學大學附設醫院影像醫學部

臺北醫學大學校級人工智慧醫療研究中心

敬邀

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Imaging Summit 2022

JKTHS Neuroradiology workshop

國際影像高峰會 暨
日本、韓國、台灣、香港、新加坡神經放射研討會

Dementia: NeuroImage and AI

 **10.15 Sat.**

 **實體場 & 線上直播**

AF, United Medico Building (Front Building)
Taipei Medical University, Taiwan
臺北醫學大學醫學綜合大樓前樓4樓 誠模廳



Agenda

08:30-08:55	Registration
09:00-09:05	Opening
Speaker	Prof. Chien-Huang Lin President of Taipei Medical University
09:05-09:10	Opening
Speaker	Prof. Wan-Yuo Guo President of The World Federation of Neuroradiological Societies
09:10-09:15	Group photo
Keynote Speech	
09:15-09:45	Diagnosis and disease modifying treatment of Alzheimer's disease: The Alzheimer's disease Neuroimaging Initiative (ADNI)
Speaker	Prof. Michael Weiner (MD., USA) Professor, Radiology, School of Medicine, University of California, San Francisco Principal Investigator of Alzheimer's Disease Neuroimaging Initiative (ADNI) and Brain Health Registry
Moderator	Prof. Sandy, Cheng-Yu Chen Distinguished professor and vice president, Taipei Medical University
09:50-10:20	Applications of AI in Neuroimaging and Dementia
Speaker	Prof. Yvonne W Lui (MD., USA) Professor, Radiology Department, New York University Grossman School of Medicine Vice Chair, Research, Department of Radiology, NYU Langone Health
Moderator	Prof. Chao-Bao Luo President of The Neuroradiological Society of Taiwan
Special Lecture	
10:25-10:45	The Role of Amyloid in Alzheimer's Disease
Speaker	Prof. Chaur-Jong Hu (M.D., Taiwan) Professor, department of Neurology, Vice Dean, College of Medicine, Taipei Medical University Director, Dementia center, Taipei Medical University, Shuang Ho Hospital
Moderator	Dr. Sho-Jen Cheng Chairman, Department of Medical Imaging, Taipei Medical University Hospital
10:50-11:10	Tea Break
11:10-11:30	The role of radiologists in the aging society
Speaker	Prof. Kei Yamada (MD., Ph.D., Japan) Chairman of Radiology, Kyoto Prefectural University of Medicine
Moderator	Prof. Kohsuke Kudo (Japan) Department of Diagnostic Imaging, Hokkaido University Graduate School of Medicine
11:35-11:55	Glymphatic system and dementia
Speaker	Prof. Seung Heng Choi (MD., Ph.D., Korea) Professor, Department of Radiology, Seoul National University Hospital and Seoul National University College of Medicine
Moderator	Prof. Lim Choie Cheio Tchoyoson (Singapore) Senior Consultant, Department of Neuroradiology, National Neuroscience Institute
12:00-12:20	Synthetic Aging Brain: an autoencoder-based brain 4D degeneration maps prediction model for aging and dementia
Speaker	Assistant Research Fellow, Yi-Tien Li (Ph.D., Taiwan) Assistant Research Fellow, Neuroscience Research Center, Taipei Medical University Research Fellow, Translational Imaging Research Center, Taipei Medical University Hospital
Moderator	Lecturer, Yueh-hsun Lu Chairman, Department of Radiology, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare
12:25-12:35	Closing Remarks
Speaker	Prof. Sandy, Cheng-Yu Chen
12:35-13:50	Lunch Break

JKTHS Neuroradiology workshop



13:50-13:55 Opening	
Speaker <i>Prof. Chao-Bao Luo</i> , President of The Neuroradiological Society of Taiwan	
Japan Session	
13:55-14:10	Quantitative parameter mapping of contrast agent concentration and relaxivity and brain tumor extracellular pH
Speaker	<i>Assistant Prof. Yuki Matsumoto (MD, Ph.D.)</i> Graduate School of Biomedical Sciences, Tokushima University
14:10-14:25	Deep Learning Reconstruction for Image Quality Improvements on Brain CT
Speaker	<i>Associate prof. Kazuhiro Murayama (MD, Ph.D.)</i> Department of Radiology, Fujita Health University School of Medicine
14:25-14:40	Multi-phase Arterial Spin Labeling MRI for Dementia and Neurovascular disease
Speaker	<i>Associate Prof. Osamu Togao (MD, Ph.D.)</i> Department of Molecular Imaging & Diagnosis, Graduate School of Medical Sciences, Kyushu University
Korea Session	
14:45-15:00	Blood-CSF-barrier and choroid plexus dysfunction linked to Alzheimer Disease: Multi-modal MR Imaging Study
Speaker	<i>Prof. Wan-Jin Moon (MD, Ph.D.)</i> Chairperson, Department of Radiology, Konkuk University School of Medicine Director of Translational Research Center, Konkuk University Medical Center
15:00-15:15	Artificial Intelligence Research Experiences on Neurodegenerative Diseases
Speaker	<i>Assistant Prof. Chong Hyun Suh (MD, Ph.D.)</i> Neuroradiology section, Department of Radiology and Research Institute of Radiology, Asan Medical Center
15:15-15:30	Meningeal Lymphatic Vessels and Neuroimaging: Focused on Neurodegenerative Disease
Speaker	<i>Assistant Prof. Mina Park (MD, Ph.D.)</i> Department of Radiology, Gangnam Severance hospital, Yonsei University College of Medicine
15:35-15:55 Tea Break	
Taiwan Session	
15:55-16:10	Noninvasive glymphatic imaging: an attempt to depict the glymphatics in a diseased model
Speaker	<i>Dr. Chia-Hung Wu (MD, Ph.D.)</i> Attending physician, Department of Radiology, Taipei Veterans General Hospital Secretary General, Neuroradiological Society of Taiwan
16:10-16:25	Prediction of Postconcussion Working Memory Decline Using fMRI and SVM
Speaker	<i>Dr. Yung-Chieh Chen (MD, Ph.D.)</i> Resident Physician, Department of Medical Imaging, Taipei Medical University Hospital Translational Imaging Research Center (TIRC), Taipei Medical University Hospital
16:25-16:40	Developing an AI application in acute stroke imaging: from scratch to hatch
Speaker	<i>Dr. Yueh-Sheng Chen (MD.)</i> Radiologist, Division of Neuroradiology, Kaohsiung Chang Gung Memorial Hospital
Hong Kong & Singapore Session	
16:45-17:00	Dementia & Brain Volumes - What the Radiologists Needs to Know
Speaker	<i>Associate Prof. Chan Ling Ling (M.D., Singapore)</i> Senior Consultant, Department of Diagnostic Radiology, Singapore General Hospital Associate Professor, Duke-NUS Medical School
17:05-17:20	Implementation of Artificial Intelligence for Acute Intracranial Haemorrhage Detection on CT Brain in Queen Elizabeth Hospital
Speaker	<i>Dr. Koel Wei Sum Ko (M.D., Hong Kong)</i> Associate Consultant, Department of Radiology & Imaging, Queen Elizabeth Hospital
17:25-17:35	Closing Remarks
Speaker <i>Prof. Chao-Bao Luo</i>	

中華民國神經放射線醫學會30學分

中華民國放射線醫學會教育積分8分/認定時數7小時

主辦單位



協辦單位



