

# 2020 International Neurosurgery Symposium

Venue: Conference Room I, 3F, Front Building, Taipei Medical University

Date: 8<sup>th</sup>, February, 2020

Time	Topic	Speaker
08:30-09:00	Registration	
09:00-09:15	Opening Remark	<p><b>Cheng-Yu Chen, M.D.</b> Vice-President, Taipei Medical University Professor and Chairman, Department of Radiology, College of Medicine, Taipei Medical University. Chairman, Department of Medical Imaging, Taipei Medical University Hospital.</p> <p><b>Yong-Kwang Tu, M.D., Ph.D.</b> President, TMU Taipei Neuroscience Institute President, World Federation of Neurosurgical Societies Professor Emeritus, Department of Neurosurgery, National Taiwan University</p> <p><b>Yung-Hsiao Chiang, M.D., Ph.D.</b> Vice President, TMU Taipei Neuroscience Institute Director, Neuroscience Research Center</p>
09:15-09:20	Group photo	
<b>DBS</b>		<p><b>Moderator: Da-Tong Ju, M.D.</b> <b>Chaur-Jong Hu, M.D.</b> <b>Tu-Hsueh Yeh, M.D.</b></p>
09:20-09:40	Experience of robotic-assisted stereotactic brain surgery	<b>Wei-Lun Lo, M.D.</b> Attending physician, Neurosurgery department, Shuang-Ho Hospital, Taiwan
09:40-10:00	The application of MRgFUS on movement disorders and other neurological diseases	<b>Chien-Tai Hong, M.D.</b> Attending Physician, Department of Neurology, Shuang Ho Hospital, Taipei Medical University, Taiwan
10:00-10:20	Intra-operative Microelectrode Recordings (MER) and Stimulation Testing During DBS Surgery	<b>Greg A Gerhardt, Ph.D.</b> Department of Neuroscience, University of Kentucky, Lexington, Kentucky, USA
<b>TBI</b>		<p><b>Moderator: Chien-Min Lin, M.D, Ph.D.</b> <b>Hsin I Ma, M.D., Ph.D.</b> <b>Yuan-Hao Chen, M.D., Ph.D.</b></p>
10:20-10:40	Building Smart Medical Information Mart for Neuro Intensive Care	<b>Ming-Chin, Lin MD. Ph.D.</b> Attending physician, Neurosurgery department, Shuang-Ho Hospital, Taiwan Assistant Professor Graduate Institute of Biomedical Informatics, College of Medical Science and Technology, Taipei Medical University, Taiwan.
10:40-11:00	Neurotrophic and neuroprotective effects of a monomeric GLP-1/GIP/Gcg receptor triagonist in cellular and rodent models of mild traumatic brain injury	<b>Barry J. Hoffer, M.D., Ph.D</b> Adjunct Professor, Neurosurgery and Genetics, Case Western Reserve University School of Medicine, USA

11:00-11:20	Towards a New Neurology for Intracranial Monitoring of Neurochemicals and Neurophysiology in Patients with TBI	<b>Greg A Gerhardt, Ph.D.</b> Department of Neuroscience, University of Kentucky, Lexington, Kentucky, USA
11:30-12:30	Lunch Break	
<b>Neuro-Oncology</b>		<b>Moderator: Pin-Yuan Chen, M.D., Ph.D.</b> <b>Kuo-Hsing Liao, M.D.</b> <b>Szu-Yi Chou, Ph.D.</b>
12:30-12:50	Targeting brain tumor stem cells through novel therapeutic combinations 2020-01	<b>Chi-Tai Yeh, Ph.D.</b> Research Fellow and Executive Secretary of Department of Research of Taipei Medical University-Shuang Ho Hospital, Taiwan
12:50-13:10	Disruption of CYP17A1-Mediated Neurosteroid Production Suppresses Growth of Temozolomide-Resistant Glioblastoma	<b>Tsung-I Hsu, Ph.D.</b> Assistant Professor, Ph.D. Program for Neural Regenerative Medicine, Taipei Medical University, Taiwan
13:10-13:30	Metabolic adaptation of cancer stem cells to hypoxia	<b>Eli Bar, Ph.D.</b> Assistant Professor, Department of Neurological Surgery, School of Medicine, Case Western Reserve University School of Medicine, USA
<b>Stroke</b>		<b>Moderator: Lung Chan, M.D., Ph.D.</b> <b>Li-Chun Hsieh, M.D.</b>
13:30-13:50	Critical Basilar Artery Stenosis: A Neurointerventionist's view	<b>I-Chang Su, M.D.</b> Department of Neurosurgery Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New Taipei City, Taiwan Taipei Medical University-Taipei Neuroscience Institute, New Taipei City, Taiwan
13:50-14:10	Reconstructing cerebral flow – experience sharing in endovascular management of neurovascular disease	<b>Sho-Jen Cheng M.D.</b> Department of Radiology, Taipei Medical University Hospital, Taiwan
<b>Pediatric</b>		<b>Moderator: Mu-Lii Liang, M.D., Ph.D.</b> <b>Dueng-Yuan Hueng, M.D., Ph.D.</b>
14:10-14:30	Management of care of childhood craniopharyngioma: Experience of a cohort series in Taiwan.	<b>Tai-Tong Wong, M.D.</b> Professor, Visiting Staff of Pediatric Neurosurgery, Department of Neurosurgery, Taipei Medical University Hospital, Taiwan Director of Pediatric Brain Tumor Program, Taipei Cancer Center, Taipei Medical University, Taiwan
14:30-14:50	Proteostasis, a weak point of Atypical Teratoid Rhabdoid Tumors?	<b>Huy Minh Tran, M.D.</b> Department of Neurosurgery, University of Medicine and Pharmacy, at Ho Chi Minh City, Vietnam International Ph.D. program in Medicine, Taipei Medical University
<b>MVD</b>		<b>Moderator: Chi-Tun Tang, M.D.</b>
14:50-15:10	Gamma Knife surgery for the Treatment of Cavernous Sinus Hemangioma and Dural AV Fistula Involving the Cavernous Sinus	<b>Hung-Chi Pan, M.D.</b> Department of Neurosurgery, TMU Shuang-Ho Hospital and Taipei Veterans General Hospital, Taiwan
15:10-15:25	<b>Discussion</b>	
15:25-15:30	<b>Conclusion</b>	<b>Yung-Hsiao Chiang, M.D., Ph.D.</b>



Organizer:

- Taipei Neuroscience Institute, Taipei Medical University
- TMU Neuroscience Research Center, Taipei Medical University
- Ph.D. Program for Neural Regenerative Medicine, College of Medical Science and Technology, Taipei Medical University
- Department of Neurosurgery, Taipei Medical University Hospital, Taipei Municipal Wanfang Hospital, Shuang Ho Hospital