

**“MULTIDISCIPLINARY BRAIN SCIENCE 2020”**  
**BRAIN SCIENCE INSTITUTE, MNUMS, August 14-15, 2020**

<b>DAY 1</b>	<b>August 14 (Friday), 2020</b>
<b>TIME</b>	<b>MONGOLIAN NATIONAL UNIVERSITY OF MEDICAL SCIENCES (08:30-17:10)</b>
<b>08:30</b>	<b>REGISTRATION (08:30-09:00)</b>
<b>09:00</b>	<b>OPENING CEREMONY (09:00-09:30)</b>
	<p>Tsolmon J., President, Mongolian National University of Medical Sciences (MNUMS)</p> <p>Damdindorj B., Dean, Graduate School, MNUMS</p> <p>Battuvshin L., President, Mongolian Neuroscience Society (MNS)</p>
<b>09:30</b>	<b>KEYNOTE LECTURES I (09:30-10:20)</b>
	<p><i>Chairs: Tsolmon J., Chimedsuren O.</i></p> <p>09:30 Bong-Kiun Kaang, Department of Biological Sciences, Seoul National University, Korea  <i>Title: Memory and Synapse</i></p>
<b>10:20</b>	<b>PLENARY LECTURES (10:20-11:20)</b>
	<p><i>Chairs: Sumberzul N., Tserendagva D.</i></p> <p>10:20 Tetsuya Hiramoto, Department of Psychosomatic Medicine, National Hospital Organization, Kyushu University, Japan  <i>Title: What is a TRP channel? How do we feel heat and pain</i></p> <p>10:50 Vadim A. Byvaltsev, Department of Neurosurgery, Irkutsk State Medical University, Russia  <i>Title: Safety and efficacy of laminoplasty versus laminectomy in the treatment of spinal cord tumors: Preliminary results of a randomized controlled trial</i></p> <p>11:20 Coffee break (11:20-11:30)</p>
<b>11:30</b>	<b>IBRO LECTURES I (11:30-13:00)</b>
	<p><i>Chairs: Bayasgalan T., Enkhsaikhan L.</i></p> <p>11:30 Kai Wang, Optical Engineering Laboratory, Institute of Neuroscience, The Chinese Academy of Sciences, People’s Republic of China  <i>Title: Development of optical imaging methods to go deeper, finer and faster in living brain</i></p> <p>12:00 Hyoung-Gon Ko, Department of Biological Sciences, College of Natural Sciences, Seoul National University, Korea  <i>Title: Neuronal populations processing itch and pain stimuli in the anterior cingulate cortex</i></p> <p>12:30 Jaya Kumar, Department of Physiology, National University of Malaysia, Malaysia  <i>Title: Interaction between mTORC2 and PKC epsilon in alcohol use disorder</i></p> <p>13:00 Lunch (13:00-14:00)</p>
<b>14:00</b>	<b>KEYNOTE LECTURES II (14:00-14:50)</b>
	<p><i>Chairs: Battuvshin L., Damdindorj B.</i></p>

14:00 Norman Sartorius, AIMHP, Switzerland  
*Title: Tasks for Psychiatrists in the early 21<sup>st</sup> Century*

**14:50 IBRO LECTURES II (14:50-15:30)**

*Chairs: Enkh-Saikhan L., Oyuntugs B.*

14:50 Ranjana Bhandari, University Institute of Pharmaceutical Sciences, Punjab University, India  
*Title: Neuropsychopharmacotherapeutic interventions for targeting gut-brain dysbiosis in autism spectrum disorders*

15:10 Nicholas Pang, Department of Psychiatry, Universiti Malaysia Sabah, Malaysia  
*Title: Circus-based mindfulness as gamification of psychological intervention for Lower and Middle Income Countries*

**15:30 NEUROSCIENCE (15:30-15:50)**

*Chairs: Darambazar G., Mandakhnaran D.*

15:30 Tsolmon J., President, MNUMS  
*Title: Brain Science – The frontier science of XXI century*

15:40 Enkhmaran T., Department of Science and Technology, MNUMS  
*Title: Validation and psychometric properties of the Mongolian version of the Touch Experiences and Attitudes Questionnaire*

15:50 Coffee break (15:50-16:00)

**16:00 NEUROLOGY & NEUROIMAGING (16:00-16:40)**

*Chairs: Byambasuren D., Munkhbaatar D.*

16:00 Puntsagdulam B., Department of Neurology, MNUMS  
*Title: Color doppler ultrasonographic characteristics of carotid artery among Mongolians: in a population-based screening study*

16:10 Gantuya G., Department of Neurology, MNUMS  
*Title: Isolated absence of F-Waves in patients with Gullian-Barre syndrome*

16:20 Nadmid Kh., “Monfa Trade” LLC  
*Title: Role of methylcobalamin in stroke and poliomyelitis*

**16:40 PSYCHIATRY & SOCIAL PSYCHOLOGY (16:40-17:10)**

*Chairs: Gantsetseg T., Bayarmaa Ts.*

16:40 Bayarmaa Ts., Mongolian State University of Education  
*Title: The influence of watching tv on children minds and behavior*

16:50 Tuya B., Bayanzurkh district family, children and youth center  
*Title: Frame of reference for teenage life and values*

17:00 Enkh-Uchral., Enkh-Uchral Clinic  
*Title: The result of investigating the motive for tobacco smoking among working adults in Mongolia*

<b>DAY 2</b>	<b>August 15 (Saturday), 2020</b>
<b>TIME</b>	<b>MONGOLIAN NATIONAL UNIVERSITY OF MEDICAL SCIENCES (08:30-16:20)</b>
<b>08:30</b>	<b>REGISTRATION (08:30-09:00)</b>
<b>09:00</b>	<b>INTERNATIONAL SYMPOSIUM ON FRONTIERS OF NEUROSCIENCE I (09:00-10:40)</b>
	<i>Chairs: Damdindorj B., Battuvshin L.</i>
09:00	Sundeeep Robert Datta, Department of Neurobiology, Harvard University, USA <i>Title: Emerging mechanisms linking COVID-19 to anosmia</i>
09:20	Matthew Dalva, Department of Neuroscience, Thomas Jefferson University, USA <i>Title: Seeing into the organization of the synapse</i>
09:40	Shernaz Bamji, Department of Cellular and Physiological Sciences, University of British Columbia, Canada <i>Title: Post-translational palmitoylation in the regulation of synaptic plasticity</i>
10:00	Tomomi Shimogori, Center for Brain Science, RIKEN, Japan <i>Title: Cellular-resolution gene expression profiling in the neonate marmoset brain</i>
10:20	Coffee break (10:20-10:30)
<b>10:30</b>	<b>PUBLIC LECTURES ON BRAIN SCIENCE I (10:30-13:30)</b>
	<i>Chairs: Gantsetseg T., Damdindorj B.</i>
10:30	Damdindorj B., Graduate School, MNUMS <i>Title: Stress and Obesity</i>
10:50	Nansalmaa N., Department of Humanity, National University of Mongolia <i>Title: Brain and Language</i>
11:10	Baasandash Ch., Mongolian University of Science and Technology <i>Title: Brain study initiatives at the Mongolian University of Science and Technology</i>
11:30	Darambazar G., University High School of MNUMS, Mongolian National University of Medical Sciences <i>Title: Brain and education</i>
11:50	Chojjamts G., Vice President, Otoch Manramba University <i>Title: Clinical use and therapeutic value of cannabinoids</i>
12:10	Bilegsaikhan B., Machine Learning Team, AND Systems Tech <i>Title: Use cases and accessibility of Artificial intelligence in Mongolia</i>
12:30	Luncheon seminar (12:30-14:00) Nadmid Kh., "Monfa Trade" LLC <i>Title: Correlation of depression and coronary heart disease</i>
<b>14:00</b>	<b>INTERNATIONAL SYMPOSIUM ON FRONTIERS OF NEUROSCIENCE II (14:00-15:20)</b>

*Chairs: Bayasgalan T., Tumenjin E.*

- 14:00 Yimin Zou, Department of Neurobiology, University of California San Diego, USA  
*Title: Planar Cell Polarity Signaling Pathway in Glutamatergic Synapse Formation and Maintenance*
- 14:20 John Ngai, National Institute of Neurological Disorders and Stroke, National Institutes of Health, USA  
*Title: Deconstructing neural stem cell trajectories at single cell resolution*
- 14:40 Anna Beyeler, Beyeler Lab, INSERM Bordeaux, France  
*Title: Role of divergent projection neurons of the insular cortex in anxiety and valence-related behaviors*
- 15:00 Jens Hjerling Leffler, Department of Biochemistry and Biophysics, Karolinska Institutet, Sweden  
*Title: Single cell analysis in the brain and why it matters for disease*
- 15:20 Coffee break (15:20-15:30)

**15:30 PUBLIC LECTURES ON BRAIN SCIENCE II (15:30-16:10)**

*Chairs: Tserenbat M., Baasanjargal B.*

- 15:30 Jargal B., Department of Research and Public Health, National Center for Mental Health  
*Title: Stress and Mental Disorders*
- 15:50 Gantsetseg T., Department of Mental Health, MNUMS  
*Title: Sleep and fatigue*

**16:10 CLOSING REMARKS (16:10-16:20)**