

# The 7th Annual IIS Symposium

<b>Opening</b>				
10:00 - 10:15	Welcome	<b>Masashi Yanagisawa</b>	Director, IIS, University of Tsukuba	
	Opening Address 1	<b>Akira Ukawa</b>	WPI Program Director	
	Opening Address 2	<b>Tadatoshi Kaneko</b>	Director of Office for Basic Research Programs, Basic Research Promotion Division (MEXT)	
<b>Session 1   Chair: Yo Oishi</b>				
10:15 - 10:45	Neurochemical mechanisms of post-training processing in perceptual learning	<b>Takeo Watanabe</b>	Brown University	Page. 4
10:45 - 11:15	Genetic and circuit analysis of empathy behaviors in the mouse	<b>Hee-Sup Shin</b>	Center for Cognition and Sociality, Institute for Basic Science	Page. 5
11:15 - 11:45	The interaction between sleep and aging mediated by DMH neurons	<b>Akiko Satoh</b>	National Center for Geriatrics and Gerontology	Page. 6
11:45 - 12:15	Break & Lunch preparation			
<b>WILLDYNAMICS Luncheon Session   Chair: Takeshi Sakurai</b>				
12:15 - 12:45	Motivated behavior regulated by the ventral striatum	<b>Kenji Tanaka</b>	Keio University	Page. 7
12:45 - 13:15	How do mice detect and escape from their predator?	<b>Peng Cao</b>	National Institute of Biological Sciences, Beijing	Page. 8
<b>Poster Session &amp; Tea Break   Chair: Michael Lazarus</b>				
13:15 - 14:15	Data Blitz and Poster Presentation			
<b>Session 2   Chair: Kaspar Vogt</b>				
14:15 - 14:45	Multiscale understanding of synaptic pathology of psychiatric disorders	<b>Akiko Hayashi-Takagi</b>	Gunma University	Page. 9
14:45 - 15:15	Balancing brain plasticity/stability	<b>Takao Hensch</b>	Harvard Medical School / Harvard University / WPI-IRCN, The University of Tokyo	Page. 10
15:15 - 15:45	Neural ensemble dynamics during REM sleep and P-waves in mice	<b>Tomomi Tsunematsu</b>	Tohoku University	Page. 11
15:45 - 16:00	Break / Photo			
<b>MSD Afternoon Seminar   Chair: Masashi Yanagisawa</b>				
16:00 - 16:30	Neural circuitry of sleepiness and cataplexy in narcolepsy	<b>Thomas E. Scammell</b>	Beth Israel Deaconess Medical Center / Harvard Medical School	Page. 13
16:30 - 17:00	Identification of neurons regulating REM/non-REM sleep and insights to the mechanisms of REM sleep behavior disorder	<b>Yu Hayashi</b>	WPI-IIS, University of Tsukuba	Page. 14
17:00 - 17:30	Neuron-glia metabolic coupling : role in neuronal plasticity, neuroprotection and regulation across the sleep-wake cycle	<b>Pierre J. Magistretti</b>	King Abdullah University of Science and Technology / École Polytechnique Fédérale de Lausanne / Département de Psychiatrie, UNIL-CHUV, Site de Cery	Page. 15
17:30	Closing			
18:00 - 20:00	Reception			