"INTERNATIONAL SYMPOSIUM ON ORGANIZATION AND FUNCTION OF THE NERVOUS SYSTEM"

Dates: November 27 (Tue) - 28 (Wed), 2012 Venue: Koshiba Hall, The University of Tokyo

Program

12:00-13:00

November 27, 2012

Registration

13:00-13:10	Opening Remarks: Yuichi Iino (The University of Tokyo)			
Session 1 "Molecular Ethology and Operating Principles of the Nervous System"				
	Chair: Minoru Saitoe (Tokyo Metropolitan Institute of Medical Science)			
13:10-13:35	Odor-evoked innate and learned fear responses are mediated by distinct neuronal			
	mechanism			
	Ko Kobayakawa (Osaka Bioscience Institute)			
13:35-14:00	Unravelling the neuronal mechanism of the spinal locomotor network			
	-what we learn from hopping mice-			
	Hiroshi Nishimaru (University of Tsukuba)			
14:00-14:25	Temporal-spatial regulation of singing-induced genes and epigenetic dynamics in			
	the critical period for vocal learning in songbirds			
	Kazuhiro Wada (Hokkaido University)			
14:25-14:45	Coffee Break			
	Chair: Yuichi Iino (The University of Tokyo)			
14:45-15:10	Acceleration of forgetting by neuronal communication in C. elegans			
	Takeshi Ishihara (Kyushu University)			
15:10-15:55	Sensory transduction in <i>C. elegans</i> : What can't a worm sense?			
	Shawn Xu (University of Michigan)			
15:55-16:15	Coffee Break			
	Chair: Tetsuya Tabata (The University of Tokyo)			
16:15-16:40	Anatomical and functional organization of the Drosophila auditory system			
	Azusa Kamikouchi (Nagoya University)			
16:40-17:05	Long-term enhancement in the mushroom body in cultured <i>Drosophila</i>			
	brain-cellular substrate for olfactory learning			
	Minoru Saitoe (Tokyo Metropolitan Institute of Medical Science)			
17:05-17:50	Bending the not so simple mind of the fruit fly			
	Scott Waddell (University of Oxford)			
18:00-20:00	Reception at "Goten" Sanjo Conference Hall, The University of Tokyo			

November 28, 2012

16:45-17:00

Session 2 "C	Optogenetics and	Neural 1	Imaging"
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Session 2 "Optogenetics and Neural Imaging"		
	Chair: Ikue Mori (Nagoya University)	
10:00-10:35	Functional analysis of locomotor circuits in the spinal cord and brainstem in	
	zebrafish	
	Shin-ichi Higashijima (Okazaki Institute for Integrative Bioscience)	
10:35-11:10	Neural circuits characterizing the posterior parietal cortex in mice	
	Katsuei Shibuki (Niigata University)	
11:10-11:45	Structure and structure-based variant design of channelrhodopsin	
	Osamu Nureki (The University of Tokyo)	
11:45-13:00	Lunch Break	
Session 3 "Neural Progenitor and Stem Cells, and Synapse Formation"		
	Chair: Takuya Shimazaki (Keio University)	
13:00-13:35	Regulation of neural stem cell fate in the developing mouse neocortex	
	Yukiko Gotoh (The University of Tokyo)	
13:35-14:20	Human stem cell models of cerebral cortex development and disease	
	Frederick J Livesey (Gurdon Institute and Department of Biochemistry, University of	
	Cambridge)	
14:20-15:05	Migrating transient neurons: organizing activity in patterning of the cerebral	
	cortex	
	Alessandra Pierani (Institut Jacques-Monod)	
15:05-15:25	Coffee Break	
15:25-16:10	Spatial and temporal roles of the homeobox gene Gsx2 in the specification of	
	telencephalic cell fates	
	Kenneth J. Campbell (University of Cincinnati College of Medicine)	
16:10-16:45	Synapse formation in the brain	
	Masayoshi Mishina (Ritsumeikan University)	

Closing Remarks: Tetsuo Yamamori (National Institute for Basic Biology)