第3回北大脳科学研究教育センター シンポジウムのご案内

第3回脳科学研究教育センターシンポジウムを下記と合同主催で開催いたしますので 多数ご参加〈ださるようご案内いたします。

脳科学研究教育センター

主催: 北海道大学電子科学研究所,北海道大学脳科学研究教育センター,理化学研究所脳科学総合センター

Multi-Institutional International Symposium on



日程: 12月5日(月) - 7日(水)

場所: 北海道大学 学術交流会館 小講堂

The theme of the symposium is symbolized by single Japanese Kanji "命"『mei』

なお、プログラムに変更がある場合があります。当日受付にて配付の Abstracts でご確認ください。

Program

December 5 【12月5日(月)】

Opening Remarks

15:30 - 15:40 Prof. K. Sasaki, (Director of RIES)

Special Lectures on New Frontiers in Life Sciences

15:40 - 16:20	Grillner, S. (Nobel Institute for Neurophysiology, Karolinska Institutet, Sweden) "The intrinsic function of a motor system - from ion channels to network and behaviour"
16:20 - 17:00	Wei, C. (Johns Hopkins University School of Medicine, American Academy of Nanomedicine, USA) "New Approach of Nanomedicine in Brain Science"
17:00 - 17:40	Amari, S. (Riken Brain Science Institute) "Brain Science in the 21st Century Toward Mathematical Neuroscience"

Reception 18:00 - 20:00 Restaurant "Elm"

December 6 【12月6日(火)】

The 3rd RECBS-Hokudai Symposium

【第3回脳科学研究教育センターシンポジウム】

Opening Remarks:		
9:00 - 9:10	Inoue, Y. (センター長:井上芳郎) (Director, Research and Education Center for Brain Science, Executive and Vice-President of Hokkaido University)	
Session I : Devel	opment of a functioning brain	
9:10 - 9:50	Taga, G. (招待講師:多賀 厳太郎) (University of Tokyo, Graduate School of Education) "Functional brain development in early infancy"	
9:50 - 10:30	Fletcher-Flinn, C.M. (University of Auckland, New Zealand) "Dissociation between deficits in explicit procedures and implicit processes in the visual-spatial and the phonological systems during reading acquisition"	
10:30 - 10:40	Coffee Break	
10:40 - 11:20	Omori, T. (大森隆司) (Hokkaido University, RECBS, School of Information Science) "Analysis of human understanding process on 'others' through the learning of competitive game including pseudo others."	
11:20 - 12:00	Okanoya, K. (招待講師: 岡J谷 一夫) (Riken Brain Science Institute) "Vocal development in birds and humans: Aspects of acoustic and semantic segmentations"	
Lunch (12:00 - 13:	,	
	ular events underlying brain functions	
13:00 - 13:40	Kano, M. (招待講師: 狩野 方伸) (Osaka University, Graduate School of Medicine) "Modulation of synaptic transmission mediated by endogenous cannabinoids"	
13:40 - 14:20	Kamiya, H. (神谷温之) <i>(Hokkaido University, RECBS, Graduate School of Medicine)</i> "Presynaptic mechanisms for synaptic plasticity in the hippocampus"	
14:20 - 14:30	Coffee Break	
14:30 - 15:10	Minami, M. (南 雅文) (Hokkaido University, RECBS, Graduate School of Pharmaceutical Sciences) "Molecular events underlying pain-induced negative emotion"	
15:10 - 15:50	Tani, T. (谷 知己) <i>(Hokkaido University, RIES)</i>	
	"Single-molecule analyses of the interactions of nerve growth factor and the receptors on the membrane of dorsal root ganglion growth cones"	
15:50 - 16:00	Coffee Break	
Session III : Imag	ing functioning brain	
16:00 - 16:40	Sawaguchi, T. (澤口俊之) (Hokkaido University, RECBS, Graduate School of Medicine) "Development of prefrontal cognitive functions in childhood"	
16:40 - 17:20	Tanaka, K. (招待講師:田中啓治) <i>(Riken Brain Science Institute)</i> "Seeing the Visual Brain with High Spatial Resolution"	
17:20 - 17:30	Coffee Break	
17:30 - 18:10	Miyauchi, S. (招待講師:宮内 哲) <i>(NICT)</i> "Seeing a dreaming brain -Brain activation accompanying rapid eye movements during REM sleep-"	
18:10 - 18:50	Tamura, M. (田村 守) (Hokkaido University, RIES) & RECBS, "Optical Imaging from Single Molecule to Human Body"	

Poster session together with conference dinner (19:00 -) (Posters are presented in the reception hall throughout the symposium.)

December 7【12月7日(水)】

The 7th RIES-Hokudai International Symposium (第7回 電子科学研究所国際シンポジウム)

Opening Remark	S:
9:00 - 9:10	Sasaki, K. (Director RIES, Hokkaido University)
Session I : The r	next generation in bio-imaging
9:10 - 9:50	Miyawaki, A. (Brain Science Institute, RIKEN) "New Fluorescent Probes and New Perspectives in Bioscience"
9:50 - 10:30	Noji , H. (Osaka University, The Institute of Science and Industrial Research) "Femtoliter chamber for single molecule detection of biological reaction"
10:30 - 10:40	Coffee Break
10:40 - 11:20	Sunghoe Chang (Gwangju Institute of Science & Technology) "Fluorescence analysis of the multifunctional protein in mammalian synapses."
11:20 - 12:00	Nemoto, T. (NIPS, Department of Cell Physiology) "Sequential exocytosis and vectorial transport in secretory gland cell studied by two-photon microscopy"
	: Nikon Bio-imaging Center at Hokkaido University: future prospects (12:00 - 13:00) ido University, RIES) Okugawa, H. (Nikon Instrument Company)
Session II : Self-o	rganization of spatiotemporal order: multi-disciplinary approaches
13:00 - 13:40	Honma, S. (本間さと) (Hokkaido University, RECBS, Graduate School of Medicine) "Visualizing clock's tick by bioluminescent reporter: Molecular clock work in the central circadian pacemakers"
13:40 - 14:20	Kondo, S. (Nagoya University, Graduate School of Science) "Interaction network among the pigment cells generates the skin patterns of animals."
14:20 - 14:30	Coffee Break
14:30 - 15:10	Nishiura, Y (Hokkaido University, RIES) "Entropy and Sensitivity of Particle Patterns in Dissipative Systems"
15:10 - 15:50	Hauser, M. (Otto-von-Guericke-Universität Magdeburg, Germany) "Oscillatory dynamics of enzyme and enzyme model systems: The dynamics, their origins, and possible biological functions"

Closing: