

The innovative progress of neuroscientific research through the use of advanced animal models

Organizer: Joint Usage / Research Center for Brain Research
February 10 – 11, 2018 | Center for Integrated Human Brain Science (6F), Niigata University

Saturday, February 10

Admission Free

10:00	Opening Remarks
10:10	<p>Integral system by CAST/ELKS protein family to regulate retinal photoreceptor development and maintenance Toshihisa Ohtsuka (<i>University of Yamanashi</i>)</p> <p>Molecular mechanisms underlying neuronal homeostasis Kensuke Futai (<i>University of Massachusetts Medical School, USA</i>)</p> <p>Analysis of autism susceptibility candidate 2 (AUTS2) gene during development Mikio Hoshino (<i>National Institute of Neuroscience, National Center of Neurology and Psychiatry</i>)</p> <p>Clustered protocadherins regulate complex neural networks Takeshi Yagi (<i>Osaka University</i>)</p>
13:10	<p>Complement family proteins bridge over troubled synapses Michisuke Yuzaki (<i>Keio University</i>)</p> <p>Mechanisms of activity-dependent synapse elimination in the developing cerebellum Masanobu Kano (<i>The University of Tokyo</i>)</p> <p>Molecular mechanisms for cerebellar circuitry refinement Masahiko Watanabe (<i>Hokkaido University</i>)</p>
15:00	<p>Mechanism that arrests myelin regeneration in chronic demyelinated lesions Kazuhiro Ikenaka (<i>National Institute for Physiological Sciences</i>)</p> <p>Molecular machinery for controlling synaptic transmission Susumu Tomita (<i>Yale School of Medicine, USA</i>)</p>
16:10	Poster Session
17:30	Reception (Ikehara Memorial Hall)

Sunday, February 11

09:00	<p>Unraveling the regulatory mechanisms for hypothalamic corticotropin-releasing factor neurons using novel mouse lines Keiichi Itoi (<i>Tohoku University</i>)</p> <p>Regulatory mechanism of sleep/wakefulness and memory Akihiro Yamanaka (<i>Nagoya University</i>)</p> <p>Molecular integration of circadian clocks in mammals Hitoshi Okamura (<i>Kyoto University</i>)</p>
10:50	<p>Cell-type-specific STORM super-resolution of synaptic endocannabinoid signaling in the hippocampus István Katona (<i>Institute of Experimental Medicine (KOKI), Hungarian Academy of Sciences (MTA), Hungary</i>)</p> <p>Development of gene-manipulated methods for animal models, mouse, rat and marmoset, for the analysis of brain function Kenji Sakimura (<i>BRI, Niigata University</i>)</p>
13:00	<p>Dopaminergic memory enhancement by two distinct novelty systems Tomonori Takeuchi (<i>Aarhus University, Denmark</i>)</p> <p>Arc-haeology of learning and memory Haruhiko Bito (<i>The University of Tokyo</i>)</p> <p>Axon growth and regeneration regulated by extracellular and intracellular signals Michihiro Igarashi (<i>Niigata University</i>)</p>
14:50	<p>How we can understand “individuality” from animal research? Noriko Osumi (<i>Tohoku University</i>)</p> <p>Modeling aging related human neurological/psychiatric diseases with iPSC technologies and genetically modified non-human primates Hideyuki Okano (<i>Keio University</i>)</p>
15:50	Closing Remarks

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