

# Programs

\* Presentation videos can be viewed anytime during the 4-day period.

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## Symposium

<p><b>Symposium 1502m</b> Cutting-edge optical techniques to visualize the dynamics of various neuronal states</p> <p>Ryohei Yasuda Lin Tian</p> <p>P.51</p>	<p><b>Symposium 1503m</b> Regulation and manipulation of neural stem/progenitor cells in the brain</p> <p>Itaru Imayoshi Taito Matsuda</p> <p>P.51</p>	<p><b>Symposium 1504m</b> Recent advances in olfactory research linking from odor inputs, brain networks to behaviors</p> <p>Nobuhiko Miyasaka Shin Nagayama</p> <p>P.52</p>	<p><b>Symposium 1505m</b> How much do we know about the human hippocampus? Bridging the gap between basic science and clinical medicine</p> <p>Toru Ishii Rosanna Olsen</p> <p>P.52</p>	<p><b>Symposium 1506m</b> The underlying causes of individual differences in brain decodability</p> <p>Aurelio Cortese Masahiro Machizawa</p> <p>P.53</p>
<p><b>Symposium 1508m</b> Glia-neuron interactions in the sleeping and waking mammalian brain</p> <p>Michael Lazarus Akihiro Yamanaka</p> <p>P.54</p>	<p><b>Symposium 1509m</b> Neurobiological Mechanisms of Social Stress</p> <p>Aki Takahashi Caroline Menard</p> <p>P.54</p>	<p><b>Symposium 1503a</b> Elucidating circuit mechanisms underlying behavior by innovative optical technologies</p> <p>Masayuki Sakamoto Naoh Morimoto</p> <p>P.55</p>	<p><b>Symposium 1504a</b> Information processing of five senses</p> <p>Haruki Takeuchi Akiyuki Taruno</p> <p>P.55</p>	<p><b>CNS-JNS Joint Symposium 1505a</b> Novel mechanisms underlying behavior: From ion channel to neural circuit</p> <p>Tian-Le Xu Yasushi Okamura</p> <p>P.56</p>
<p><b>Symposium 1506a</b> Cutting-edge closed-loop and non-invasive brain stimulation technologies for neurological and psychiatric disorders</p> <p>Yuichi Takeuchi Antal Berenyi</p> <p>P.57</p>	<p><b>Symposium 1507a</b> Deciphering the code between the hippocampus and the entorhinal cortex</p> <p>Susumu Takahashi Jun Yamamoto</p> <p>P.57</p>	<p><b>Symposium 1508a</b> Sleeponomix: neural mechanisms driving rhythms and state transitions</p> <p>Hiromasa Funato Hiroki R. Ueda</p> <p>P.58</p>	<p><b>Symposium 1509a</b> Pathophysiological hypothesis/ model-oriented schizophrenia research in the age of RDoC</p> <p>Jun Miyata</p> <p>P.58</p>	<p><b>Elsevier/NSR Symposium 2503m</b> The default mode network: the masterminds behind the scenes</p> <p>Daniel Margulies Shigeru Kitazawa</p> <p>P.60</p>
<p><b>Symposium 2504m</b> The primary visual system: cell fates, circuits, function, and projections.</p> <p>Katsunori Kitano Steven H Davies</p> <p>P.60</p>	<p><b>Symposium 2505m</b> Studies of salience signals across multiple layers from molecular structure to social behavior</p> <p>Teruhiro Okuyama Kazunari Miyamichi</p> <p>P.61</p>	<p><b>Symposium 2506m</b> Quantitative and Theoretical approaches to coding and learning principles of the cortex</p> <p>Junnosuke Teramae Yasuhiro Tsubo</p> <p>P.61</p>	<p><b>シンポジウム 2507m</b> Oxytocin and Diversity in Sexual Preference, Social Bonding and Attachment from Medaka fish to Man</p> <p>Qi Zhang Larry Young</p> <p>P.62</p>	<p><b>Symposium 2508m</b> Learning from disease models : understanding developmental disorders by multi-disciplinary approaches</p> <p>Aya Ito-Ishida Kihoon Han</p> <p>P.62</p>
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<p><b>Symposium 3506m</b> Update on neural mechanisms of adaptive motor control</p> <p>Masaki Tanaka Yoshiko Kojima</p> <p>P.69</p>	<p><b>Symposium 3507m</b> Mass spectroscopy in Neuroscience: key methods to the molecular neuroscience</p> <p>Michihiro Igarashi</p> <p>P.70</p>	<p><b>Symposium 3508m</b> Interplays between theory and experiment in decision neuroscience</p> <p>Naoshige Uchida</p> <p>P.70</p>	<p><b>Symposium 3509m</b> Circuit mechanisms and dynamics underlying olfactory behaviors</p> <p>Izumi Fukunaga Cindy Poo</p> <p>P.71</p>	<p><b>Symposium 3502a</b> Representations of space and time in the brain</p> <p>Hiroshi Ito Emilio Kropff</p> <p>P.71</p>

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## Symposium

<p><b>Symposium 3S03a</b> Emergence and regulation of fear - from mouse behavior to human imagination</p> <p>Ai Koizumi Dean Mobbs</p> <p>P.72</p>	<p><b>Symposium 3S04a</b> Neural circuits for motivated and conflict behavior: from anatomy to behavior and modeling</p> <p>Masaaki Ogawa Ken-ichi Amemori</p> <p>P.72</p>	<p><b>Symposium 3S05a</b> Digital approaches for dementia medicine and biology</p> <p>Haruhisa Inoue Hitoshi Okazawa</p> <p>P.73</p>	<p><b>Symposium 3S06a</b> Hierarchy and dynamicity of information processing in the prefrontal cortex</p> <p>Kei Watanabe</p> <p>P.73</p>	<p><b>Symposium 3S07a</b> Can Social Neuroscience Address 'Real' Social Issues?</p> <p>Motoaki Sugiura Leehyun Yoon</p> <p>P.74</p>
<p><b>Symposium 3S08a</b> Multiscale functional morphology of sleeping brain</p> <p>Daisuke Miyamoto Hiroaki Norimoto</p> <p>P.75</p>	<p><b>Symposium 3S09a</b> Dynamics of cerebellum and whole-brain network in sensorimotor control</p> <p>Kazuo Kitamura Daniela Popa Taro Ishikawa</p> <p>P.75</p>	<p><b>Symposium 4S02m</b> New Approaches to Decoding Memory and Decision Making</p> <p>Thomas J. McHugh Miho Nakajima</p> <p>P.77</p>	<p><b>Symposium 4S03m</b> Beyond metacognition: parallel self-evaluative brain systems generate exploratory actions in novel environments</p> <p>Kentaro Miyamoto Rei Akaishi</p> <p>P.77</p>	<p><b>Symposium 4S04m</b> Frontiers of neuroimaging research addressing within-diagnosis heterogeneity and deconstruction of diagnostic boundaries</p> <p>Yuta Aoki Takamitsu Watanabe</p> <p>P.78</p>
<p><b>Symposium 4S05m</b> Academic trends towards understanding and overcoming addiction</p> <p>Yuko Sekino Masabumi Minami</p> <p>P.78</p>	<p><b>Symposium 4S06m</b> New knowledge about the central role of AMPA receptor from bidirectional approach between basic and clinical researches</p> <p>Tomoyuki Miyazaki Takuya Takahashi</p> <p>P.79</p>	<p><b>Symposium 4S07m</b> Understanding environmental responses of neural cells towards development of brain disorder treatment</p> <p>Takuya Imamura Kazunobu Sawamoto</p> <p>P.79</p>	<p><b>Symposium 4S04l</b> Central neural mechanism of swallowing towards therapeutic approach</p> <p>Masayuki Hirata Shaheen Hamdy</p> <p>P.80</p>	<p><b>Symposium 4S04a</b> Patient-oriented neuroscience; Reverse translation and Beyond</p> <p>Kensuke Ikenaka Ming-Kai Pan</p> <p>P.81</p>
<p><b>Symposium 4S06a</b> A new approach focusing on non-sinusoidal properties of the brain rhythms</p> <p>Takefumi Ohki</p> <p>P.81</p>				

## Educational Symposium

<p><b>J</b> <b>Symposium 4ES03a</b> Past and future plans of middle age Pis</p> <p>Takefumi Kikusui Masako Myowa</p> <p>P.85</p>
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