

Timetable

Day 1 July 26

Room	Kobe International Conference Center							Kobe International Exhibition Hall					
	1F	3F		4F	5F			No.2 Building			No.1, No.2 Building		
	Room 1 Main Hall	Room 2 International Conference Room	Room 3 Reception Hall	Room 4 401+402	Room 5 501	Room 6 502	Room 7 504+505	2F Room 8 2A	3F Room 9 3A	3F Room 10 3B	Poster	Exhibition	
7:30								J 7:30-8:30 Educational Lecture 1EL08m Sumiko Mochida P.80	J 7:30-8:30 Educational Lecture 1EL09m Nobuyuki Nukina P.80				
8:00													
9:00	8:40-10:40 JNS - Organized Symposium JNS-JSN Joint Symposium 1S01m New Frontiers of Disease Neuroscience Based on Time Axis Signal Michisuke Yuzaki Hidehiro Mizusawa P.87	8:40-10:40 The Annual Meeting - Organized Symposium 1S02m Frontiers of Neurointelligence Takao Hensch Masanobu Kano P.87	8:40-10:40 Symposium 1S03m Expressing love and hate: neural mechanisms controlling pathos Azusa Kamikouchi Hirotaka Sakamoto P.88	8:40-10:40 Symposium 1S04m Dynamic interaction between long-range and local cortical circuit for information processing Hiroyuki Morishita Taro Toyozumi P.89	8:40-10:40 Symposium 1S05m Neuromodulatory regulation of brain states in health and disease: bridging experiments and computational models Shuzo Sakata Srikanth Ramaswamy P.89	8:40-10:40 The Annual Meeting - Organized Symposium 1S06m Molecular and Cellular Mechanisms of Cognition Sumantra Chatterji Thomas J. McHugh P.90	8:40-9:40 Oral Session 1O-07m1 Synapse P.131 9:40-10:40 Oral Session 1O-07m2 Synaptic Pasticity P.131	8:40-10:40 Symposium 1S08m How a supercomputer accelerates neuroscience: towards the exaflops era Tadashi Yamazaki Jun Igarashi P.90	8:40-10:40 Symposium 1S09m Neural network disturbance from birth to death Toru Takumi Thomas Bourgeron P.91	8:40-9:40 Oral Session 1O-10m1 Functional Connecting Sensory Disorders P.132 9:40-10:40 Oral Session 1O-10m2 Sensory and Motor System P.133	Set-up		
10:00											Poster Exhibition		
11:00		11:50-12:50 Luncheon Seminar on Industry-University Collaboration 1LS03										10:50-11:40 Poster Presentation / Discussion (Odd No.)	Industrial / Academia Exhibition, Book shop
12:00	J 11:50-12:50 Special Educational Lecture 1SEL-1 Mitsuo Kawato P.78	11:50-12:50 Luncheon Seminar 1LS02 Inscopix, Inc. P.279	J 11:50-12:50 Luncheon Seminar 1LS03 NTT DATA INSTITUTE OF MANAGEMENT CONSULTING, Inc. P.279	J 11:50-12:50 Luncheon Seminar 1LS04 NIKON INSTECH Co., LTD P.280	J 11:50-12:50 Luncheon Seminar 1LS05 Carl Zeiss Co., Ltd P.280	11:50-12:50 Luncheon Seminar 1LS06 Takeda Pharmaceutical Company Limited P.281		J 11:50-12:50 Educational Lecture 1EL08a Atsushi Nambu P.80	J 11:50-12:50 Educational Lecture 1EL09a Hidehiko Takahashi P.81	11:50-12:50 Lunchtime Mini-Symposium 1LMS10 Takeshi Yagi Masamichi Sakagami P.291	Poster Exhibition		
13:00												13:00-13:50 Poster Presentation / Discussion (Even No.)	
14:00	14:00-15:00 Plenary Lecture 1PL-1 Prof. Erich E. Wanker P.77	14:00-15:00 Plenary Lecture [Live Remote]											14:00-15:00 Plenary Lecture [Live Remote]
15:00	J 15:00-16:00 Special Lecture 1SL-1 Masashi Sugiyama P.78	15:00-16:00 Oral Session 1O-02a1 Alzheimer's Disease and Dementia (1) P.133	15:00-16:00 Oral Session 1O-03a1 Molecular, Biochemical and Genetic Techniques P.134	15:00-16:00 Oral Session 1O-04a1 Axon/Dendrite Growth and Circuit Formation P.135	15:00-16:00 Oral Session 1O-05a1 Motivation P.135	15:00-16:00 Oral Session 1O-06a1 Vision (1) P.136	15:00-16:00 Oral Session 1O-07a1 Neurotransmitters and Signaling Molecules P.137	15:00-16:00 Oral Session 1O-08a1 Sleep and Biological Rhythms (1) P.137	15:00-16:00 Oral Session 1O-09a1 Mechanism of Neuronal Migration P.138	15:00-16:00 Oral Session 1O-10a1 Translational and Applied Neuroscience P.139	Poster Exhibition	Industrial / Academia Exhibition, Book shop	
16:00	16:00-17:00 Joseph Altman Award in Developmental Neuroscience Lecture 1AL-1 Guillermo Lopez-Benito P.84	16:00-17:00 Oral Session 1O-02e1 Parkinson's Disorder and α -Synuclein P.139	16:00-17:00 Oral Session 1O-04e1 Molecular Mechanism of Circuit Formation P.140	16:00-17:00 Oral Session 1O-05e1 Social Behavior P.141	16:00-17:00 Oral Session 1O-06e1 Olfaction and Taste P.141	16:00-17:00 Oral Session 1O-07e1 Glial Mechanisms P.142	16:00-17:00 Oral Session 1O-08e1 Learning, Memory and Plasticity (1) P.144	16:00-17:00 Oral Session 1O-09e1 Activating Dependent Development and Behavior P.144	16:00-17:00 Oral Session 1O-10e1 Autonomic Regulation P.145				
17:00	17:00-18:00 Nakaakira Tsukahara Memorial Award Lecture 1AL-2 Naoshige Uchida P.83	17:00-19:00 Symposium 1S02e Adaptive Behaviours Mediated by Olfactory Inputs: From Molecules to the Central Brain Kazunari Miyamichi Yoshihiro Yoshihara P.92	17:00-19:00 JNS - Organized Symposium 1S03e Symposium for Industry-Academia Collaboration 1S03e AI and Neuroscience: Their Co-evolution and Our Future Manabu Honda Ipppei Hagiwara P.92	17:00-19:00 Symposium 1S04e Circuits Mechanisms for Sensory Coding Hiroyuki Kato Takeshi Imai P.93	17:00-19:00 Symposium 1S05e Neural basis for emergence of individuality and face-body expression Noriko Osumi Masami K.Yamaguchi P.93	17:00-19:00 The Annual Meeting - Organized Symposium 1S06e Cerebellar Plasticity Bong-Kiun Kaang Shin-ya Kawaguchi P.94	17:00-18:00 Oral Session 1O-07e2 Corticogenesis and Regeneration P.142 18:00-19:00 Oral Session 1O-07e3 Neurodevelopmental Disorders (1) P.143	17:00-19:00 Symposium 1S08e Necessity of distinct neural ensembles for various learned behaviors Shigenobu Toda Eisuke Koya P.95	17:00-19:00 Symposium 1S09e Cutting edge approach for understanding brain dynamics Hiromasa Takemura Ken Takiyama P.95	17:00-18:00 Oral Session 1O-10e2 Neuroinformatics and Large Scale Simulation (1) P.146 18:00-19:00 Oral Session 1O-10e3 Brainstem and Spinal Cord P.146	Removal		
18:00													
19:00													
20:00													
21:00													

PL: Plenary Lecture SL: Special Lecture SEL: Special Educational Lecture EL: Educational Lecture S: Symposium O: Oral Session
LS: Luncheon Seminar LMS: Lunchtime Mini-Symposium

J : in Japanese

Timetable

Day 2 July 27

Room	Kobe International Conference Center							Kobe International Exhibition Hall					
	1F	3F		4F	5F			No.2 Building			No.1, No.2 Building		
	Room 1 Main Hall	Room 2 International Conference Room	Room 3 Reception Hall	Room 4 401+402	Room 5 501	Room 6 502	Room 7 504+505	2F Room 8 2A	3F Room 9 3A	3F Room 10 3B	Poster	Exhibition	
7:30								J 7:30-8:30 Educational Lecture 2EL08m Shinya Kuroda P.81	J 7:30-8:30 Educational Lecture 2EL09m Masato Hasegawa P.81				
8:00													
9:00	8:40-10:40 JNS - Organized Symposium Japan-Canada Joint Symposium 2S01m Synaptic plasticity/Learning and Memory Paul Frankland Haruo Kasai P.96	8:40-10:40 Symposium 2S02m Seeing the invisible: the art of deep brain imaging Masaaki Sato Kazuo Kitamura P.96	8:40-10:40 Symposium 2S03m Memory dynamics revealed by new technologies for observation/manipulation of molecules, cells and circuits Takashi Kitamura Hiroyuki Okuno P.97	8:40-10:40 Symposium 2S04m New horizons in Cognitive Neuroscience using the mouse as a model organism Daisuke Shimaoka Andrea Benucci P.98	8:40-10:40 Symposium 2S05m New research foresight of complex motor skill learning and production through the bird song Kazuhiro Wada Kazuo Okanoya P.98	8:40-10:40 Symposium 2S06m Dynamic cerebellum: neural mechanisms underlying emerging information processing Shinji Kakel P.99	8:40-9:40 Oral Session 2O-07m1 Neuroinformatics and Large Scale Simulation (2) P.148 9:40-10:40 Oral Session 2O-07m2 Language and Communication (1) P.149	8:40-10:40 Symposium 2S08m Emerging tools and modalities for imaging and control of neural signaling Haruhiko Bito Robert E. Campbell P.100	8:40-10:40 Symposium 2S09m Neurodegenerative diseases; protein aggregation, propagation, phase transition and more Yoshitaka Nagai Erich E. Wanker P.100	8:40-9:40 Oral Session 2O-10m1 Neuroinflammation and Brain Tumor P.149 9:40-10:40 Oral Session 2O-10m2 Cerebrovascular Disease P.150	Set-up		
10:00											Poster Exhibition		
11:00											10:50-11:40 Poster Presentation / Discussion (Odd No.)	Industrial / Academia Exhibition, Book shop	
12:00	J 11:50-12:50 Special Educational Lecture 2SEL-1 Yukiko Goda P.79	J 11:50-12:50 Luncheon Seminar 2LS02 NARISHIGE SCIENTIFIC INSTRUMENT LAB. P.281	J 11:50-12:50 Luncheon Seminar 2LS03 Thorlabs Japan Inc. P.282	J 11:50-12:50 Luncheon Seminar 2LS04 Japan Blood Products Organization P.282	11:50-12:50 Luncheon Seminar 2LS05 Chugai Pharmaceutical Co. Ltd P.283	J 11:50-12:50 Luncheon Seminar 2LS06 Mylan EPD G.K. P.283	J 11:50-12:50 Luncheon Seminar 2LS07 OLYMPUS CORPORATION P.283	J 11:50-12:50 Educational Lecture 2EL08a Mineko Kengaku P.81	J 11:50-12:50 Educational Lecture 2EL09a Reiko Kobayakawa P.82	1:50-12:50 Luncheon Seminar 2LS10 ATR Promotions Inc. P.284	Poster Exhibition		
13:00	Award Ceremony • JNS Young Investigator Award • Toshihiko Tokizane Memorial Award for Excellent Graduate Study in Neuroscience • Graduate Study in Neuroscience Toshihiko Tokizane Memorial Award											13:00-13:50 Poster Presentation / Discussion (Even No.)	
14:00	14:00-15:00 Plenary Lecture 2PL-1 Prof. Li-Huei Tsai P.77	14:00-15:00 Plenary Lecture [Live Remote]										14:00-15:00 Plenary Lecture [Live Remote]	
15:00	15:00-16:00 Special Lecture 2SL-1 Yasushi Miyashita P.78	15:00-16:00 Oral Session 2O-02a1 Neurodegeneration and RNA Metabolism P.151	15:00-16:00 Oral Session 2O-03a1 Executive Function P.151	15:00-16:00 Oral Session 2O-04a1 Appetitive and Aversive Learning P.152	15:00-16:00 Oral Session 2O-05a1 Neural Network Modeling and Artificial Intelligence P.152	15:00-16:00 Oral Session 2O-06a1 Vision (2) P.153	15:00-16:00 Oral Session 2O-07a1 Cerebellum P.154	15:00-16:00 Oral Session 2O-08a1 Autism Spectrum Disorders P.154	15:00-16:00 Oral Session 2O-09a1 Alzheimer's Disease and Dementia (2) P.155	15:00-16:00 Oral Session 2O-10a1 Epilepsy P.156	Poster Exhibition	Industrial / Academia Exhibition, Book shop	
16:00	16:00-16:40 Award Ceremony P.56	16:00-18:00 Symposium 2S02e Motion vision - from circuits to behavior Keisuke Yonehara Fumi Kubo P.101	16:00-18:00 Symposium 2S03e Coordination of Neuroscience and Behavior for understanding behavioral strategy for survival Reiko Kobayakawa Tadao Usui P.102	16:00-18:00 Symposium 2S04e Neural representations and functions generated through interactions between external sensory stimuli and internal states Hokto Kazama Yuko Yotsumoto P.103	16:00-18:00 Symposium 2S05e Basic Principles of Information Processing Extracted from Simple Neural Circuits -Towards Application to Complex Brains Ichiro Aoki Hiroyuki Kunitomo P.103	16:00-18:00 Symposium 2S06e Variability in neural dynamics and brain functions Keiichi Kitajo Hirokazu Takahashi P.104	16:00-17:00 Oral Session 2O-07e1 Sleep and Biological Rhythms (2) P.157 17:00-18:00 Oral Session 2O-07e2 Learning, Memory and Plasticity (2) P.157	16:00-18:00 Symposium 2S08e Biophysical Approach to Study Neuronal Cell Biology Takao Nakata Naoki Watanabe P.105	16:00-18:00 Symposium 2S09e The latest development of Alzheimer disease research Takaomi Saïdo Amaia Arranz Mendiguren P.105	16:00-17:00 Oral Session 2O-10e1 Sensory Organ P.158 17:00-18:00 Oral Session 2O-10e2 Stimulation and Excitation P.158			
17:00	16:40-17:40 Toshihiko Tokizane Memorial Award Lecture 2AL-1 Hidehiko Komatsu P.83												
18:00	18:00-19:00 Plenary Lecture 2PL-2 Prof. Jennifer A. Doudna P.77	18:00-19:00 Plenary Lecture [Live Remote]									Removal	18:00-19:00 Plenary Lecture [Live Remote]	
19:00	19:00-19:30 JNS Members' General Assembly (Sapphire, B1F, South Building, Kobe Portopia Hotel)												
19:30	19:30-21:30 Banquet (Owada, 1F, South Building, Kobe Portopia Hotel)												
20:00													
21:00													

PL: Plenary Lecture SL: Special Lecture SEL: Special Educational Lecture EL: Educational Lecture S: Symposium O: Oral Session
LS: Luncheon Seminar

J : in Japanese

Timetable

Day 3 July 28

Room	Kobe International Conference Center							Kobe International Exhibition Hall					
	1F	3F		4F	5F			No.2 Building			No.1, No.2 Building		
	Room 1 Main Hall	Room 2 International Conference Room	Room 3 Reception Hall	Room 4 401+402	Room 5 501	Room 6 502	Room 7 504+505	2F Room 8 2A	3F Room 9 3A	3F Room 10 3B	Poster	Exhibition	
7:30								J 7:30-8:30 Educational Lecture 3EL08m Masanori Murayama P.82	J 7:30-8:30 Educational Lecture 3EL09m Toshihide Yamashita P.82				
8:00													
9:00	8:40-10:40 Symposium 3S01m In the beginning was the Synapse: neuropsychiatric disorders as synaptopathy Michisuke Yuzaki Caglia Eroglu P.107	8:40-10:40 Symposium 3S02m Mismatch negativity as a translatable biomarker bridging a gap between animal model and human disease Kiyoto Kasal Gregory A. Light P.108	8:40-10:40 Symposium 3S03m Forming and reformatting aversive emotional memories Joshua P. Johansen Karim Nader P.109	8:40-10:40 Symposium 3S04m Connectomic approaches and discoveries Yoshiyuki Kubota Sebastian Seung P.109	8:40-10:40 Symposium 3S05m Neuronal circuits and dynamics of the cortical limbic system for spatial navigation Shigeoyoshi Fujisawa Adrien Peyrache P.110	8:40-10:40 Symposium 3S06m Rebuilding of neurons, connections and behavior Takashi Suzuki Giorgio Gilestro P.110	8:40-10:40 JNS - Organized Symposium Japan-China Joint Symposium 3S07m Beyond Frontier - toward new dimensions of depression and emotion Hailan Hu Fusao Kato P.111	8:40-10:40 Symposium 3S08m Blood-Brain Barrier Dysfunction and Neuropsychiatric Diseases: from Mechanisms to Treatment Hiroshi Kunugi Tetsuya Terasaki P.112	8:40-10:40 Symposium 3S09m Microglia, the dying-and-rising immune cell in the brain Ryuta Koyama Hiroaki Wake P.112	8:40-9:40 Oral Session 3O-10m1 Decision Making P.159	Set-up		
10:00										9:40-10:40 Oral Session 3O-10m2 Neuroendocrine System P.159			
11:00												10:50-11:40 Poster Presentation / Discussion (Odd No. & Even No.)	Industrial / Academia Exhibition, Book shop
12:00	J 11:50-12:50 Special Educational Lecture 3SEL-1 Masashi Yanagisawa P.79	J 11:50-12:50 Luncheon Seminar 3LS02 Biogen Japan Ltd. P.284	11:50-12:50 Diversity Committee Panel Discussion Promoting Diversity in Neuroscience P.61	J 11:50-12:50 Luncheon Seminar 3LS04 MSD K.K. P.285	J 11:50-12:50 Luncheon Seminar 3LS05 AbbVie GK P.285	J 11:50-12:50 Luncheon Seminar 3LS06 Sumitomo Dainippon Pharma Co. Ltd/ Nihon Med-Physics Co. Ltd P.286	J 11:50-12:50 Luncheon Seminar 3LS07 Kyowa Haikko Kirin Co., Ltd P.286	J 11:50-12:50 Educational Lecture 3EL08a Yasuo Kawaguchi P.82	J 11:50-12:50 Educational Lecture 3EL09a Tomomi Shimogori P.83	J 11:50-12:50 Luncheon Seminar 3LS10 FUJIFILM Wako Pure Chemical Corporation P.287			
13:00	13:00-13:50 The Brain Prize Lecture 3BPL-1 Timothy Bliss P.84	Molecular therapy with oligonucleotide therapeutics for neurodegenerative diseases Takanori Yokota P.113	13:00-13:50 Mini-Symposium 3MS02									13:00-13:50 Poster Presentation / Discussion (LBA)	
14:00	14:00-15:00 Plenary Lecture 3PL-1 Prof. Kamil Ugurbil P.77	14:00-15:00 Plenary Lecture [Live Remote]											14:00-15:00 Plenary Lecture [Live Remote]
15:00	15:00-16:00 Special Lecture 3SL-1 Prof. Nigel Emptage P.78	15:00-16:00 Oral Session 3O-02a1 Language and Communication (2) P.160	15:00-16:00 Oral Session 3O-03a1 Parkinson's Disorder and Neurodegeneration P.161	15:00-16:00 Oral Session 3O-04a1 Movement P.161	15:00-16:00 Oral Session 3O-05a1 Learning, Memory and Plasticity (3) P.162	15:00-16:00 Oral Session 3O-06a1 Vision (3) P.163	15:00-17:00 Symposium 3S07a From bodily action to the social cognition: For an integrated view of the diverse processes Motoaki Sugiura Gianluca Esposito P.113	15:00-17:00 Symposium 3S08a Development and emergence of functional specificity in the brain Madoka Narushima Nathalie Rochefort P.114	15:00-17:00 Symposium 3S09a Gene regulatory mechanisms in cortical development Carina Hanashima Victor Borrell P.115				
16:00	16:00-19:00 Integrated Symposia 3S01e Neural mechanisms controlling circadian rhythm and sleep Kazuhiro Kume Kazuhiro Yagita Hiroki R. Ueda P.115	16:00-17:00 Oral Session 3O-02e1 Neurodevelopmental Disorders (2) P.163	16:00-17:00 Oral Session 3O-03e1 Mechanisms of Neurodegeneration P.164	16:00-17:00 Oral Session 3O-04e1 Brain Function P.165	16:00-17:00 Oral Session 3O-05e1 Stress P.166	16:00-17:00 Oral Session 3O-06e1 Pain, Others P.166	17:00-19:00 Symposium 3S07e Novel functions of adrenergic nervous system for stress and emotion Akiko Arata Youchiuro Ootsuka P.120	17:00-19:00 Symposium 3S08e Myelination throughout life to debrri as myelin ~ a hint of the therapeutic cue Junji Yamauchi Toru Ogata P.121	17:00-19:00 Symposium 3S09e Traumatic Brain Injury (TBI): Translational approach, Novel directions & Challenges Toshihide Yamashita Wael Mohamed P.122				
17:00		17:00-19:00 JNS - Organized Symposium JNS-JSNP Joint Symposium 3S02e Frontier of developmental disorder research-From molecular levels to clinical border Hirokazu Hirai Kazutaka Ikeda P.117	17:00-19:00 Symposium 3S03e Recent advances in the neuroimaging of primate cognitive processes Tepei Matsui Kiyoshi Nakahara P.117	17:00-19:00 Symposium 3S04e From local membrane biophysics to neural functions Akiyuki Taruno Hiroshi Kuba P.118	17:00-19:00 Symposium 3S05e Frontier of perineuronal net research: from molecular assembly to plasticity, aging, and behavior Toshitaka Ohashi Jessica Kwok P.119	17:00-19:00 Symposium 3S06e Virtual reality and its clinical application Yukari Ohki Yasuo Terao P.120							
18:00													
19:00													
20:00													
21:00													

PL: Plenary Lecture SL: Special Lecture SEL: Special Educational Lecture EL: Educational Lecture S: Symposium O: Oral Session
LS: Luncheon Seminar MS: Mini Symposium

J : in Japanese

Timetable

Day 4 July 29

Room	Kobe International Conference Center						
	1F	3F		4F	5F		
	Room 1 Main Hall	Room 2 International Conference Room	Room 3 Reception Hall	Room 4 401+402	Room 5 501	Room 6 502	Room 7 504+505
7:30							
8:00							
9:00	J 9:00-10:00 Special Educational Lecture 4SEL-1 Hidenori Ichijo <i>P.79</i>	9:00-16:00 Elsevier/NSR Symposium 4S02m The 20th Anniversary of Parkin Discovery -To the Past, and the Future- Nobutaka Hattori Ryosuke Takahashi	9:00-12:00 Integrated Symposia 4S03m Future Prospects of multi-organ information network Akiko Hayashi-Takagi Keiji Wada Kazuhiro Suzuki Hideki Enomoto	9:00-12:00 Mini Symposium 4S04m Optogenetics and Chemogenetics in Monkey Brains Takafumi Minamimoto Ken-ichi Inoue A new horizon of optogenetics researches Tadashi Isa Dai Watanabe	9:00-12:00 Integrated Symposia 4S05m Dissecting the molecular mechanism of neural development and diseases pathogenesis through RNA regulation Hitomi Tsujii Hideyuki Okano	9:00-12:00 Integrated Symposia 4S06m Inflamed brain phenotypes -Morphological and Functional Remodeling Hiroshi Ueda Takashi Saito	9:00-12:00 Satellite Program International Symposium on Global Neuroscience Cooperation Brain Mapping by Integrated Neurotechnologies for Disease Studies Norihiro Sadato Kiyoto Kasai
10:00	J 10:00-11:00 Special Educational Lecture 4SEL-2 Gen Sobue <i>P.79</i>						
11:00	J 11:00-12:00 Special Educational Lecture 4SEL-3 Tadafumi Kato <i>P.80</i>						
12:00		11:50-12:50 Luncheon Seminar 4LS02 Novartis Pharma K.K. <i>P.287</i>	J 12:00-14:00 Luncheon Discussion Big picture of brain science: what and how should we do in next 10-20 years? Tsuyoshii Miyakawa Hisatsugu Koshimizu Michisuke Yuzaki <i>P.61</i>				
13:00							
14:00							
15:00	J 14:30-16:45 Public Open Lecture <i>P.61</i>						
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							

SEL: Special Educational Lecture S: Symposium

J : in Japanese