

# Program at a Glance

Day 1 March 21, Sat

		7:30	8:00	9:00	10:00	11:00	12:00	13:00
Kobe International Conference Center	Room A Main Hall			<b>President's Symposium 1</b> Brain and hormones: Their seamless interaction between structure and function from molecular to behavioural level (P.61)		<b>Plenary Lectures</b> Wolfgang Baumeister Yoshinori Fujiyoshi (P.52-53)		<b>Luncheon Seminar 1</b> SHISEIDO CO., LTD. (P.290)
	Room B International Conference Room			<b>Research Ethics Committee Symposium</b> Current Status and Issue of Research Ethics (P.72)				<b>Luncheon Seminar 2</b> NIDEK CO.,LTD. (P.290)
	Room C Reception Hall			<b>Meeting Symposium 1</b> Body in the world -coordinates in the brain- (P.63)				<b>Luncheon Seminar 3</b> Nippon Zoki Pharmaceutical Co., Ltd. (P.291)
	Room D Room 401			<b>Symposium 1</b> Current somatosensory investigation reveals how skin feels the present (P.85)				
	Room E Room 402			<b>Meeting Symposium 2</b> Exercise physiology in advanced aging society: basic and applied aspects (P.64)				
	Room F Room 403			<b>Young Scientific Researchers Association Symposium</b> Brain structures from physiological viewpoints; brain functions from anatomical viewpoints (P.73)				
	Room G Room 501			<b>Symposium 2</b> Architecture and molecular mechanisms in sensory systems (P.86)				<b>Symposium by the Committee on the Promotion of Gender Equality</b> (P.74)
	Room H Room 502			<b>Symposium 3</b> Frontiers in mitochondrial dynamics and pathophysiology (P.87)				<b>Luncheon Seminar 4</b> Takeda Pharmaceutical Company Limited (P.291)
	Room I Room 504+505			<b>Symposium 4</b> Dynamic aspects of microscopic localization, stoichiometry and function of membrane protein complexes (P.88)				<b>Luncheon Seminar 5</b> TEIJIN PHARMA LIMITED (P.292)
	Room J Room 503			<b>Symposium 5</b> The strategies aimed at maintenance of tissue perfusion ~Regulation of cardiomyocyte apoptosis and angiogenesis~ (P.89)				<b>JAA Senior Club</b>
Exhibition Hall	Poster No.1 Building 2F		Posting	<b>Poster</b> Ion channels, Receptors / Neurons, Synapses / Molecular anatomy, Molecular physiology / Organelle, Membrane transport / Others of Molecular anatomy, Molecular physiology, Cell biology / Experimental methods / Undergraduate Poster Presentations (P1-235-355) / MD Scientist Training Program (MD-P01- ) (P.162-199)				
	Exhibition No.1 Building 2F			<b>Exhibition</b>				

※ Posters are exchanged on a daily basis. Award posters of PSJ (P.156-157) are the poster exhibition of three consecutive days.  
 ※ A snack will be served in the Symposium by the Committee on the Promotion of Gender Equality.

		13:00	14:00	15:00	16:00	17:00	18:00	19:00	
			<b>Academic Education Lectures</b> Nobutaka Hirokawa Toshio Yanagida (P.57-58)		<b>MD Scientist Training Program</b> Undergraduate students are research! (P.84)				
			<b>Symposium 6</b> Front in progress on aerospace medicine and biology (P.90)		<b>Symposium 13</b> Space Medicine I: Living with Gravity (P.97)		<b>Symposium 21</b> Space Medicine II: Complications of "Zero-Gravity" and their countermeasures (P.105)		
			<b>Joint Symposium among JPS, PSJ and JAA</b> Functional architecture of localization and integration of subcellular Ca <sup>2+</sup> signaling (P.75)			<b>Symposium 22</b> The effect of perinatal stress on brain function (P.105)			
			<b>Symposium 7</b> Recent advances in the research on the trigeminal ganglion (P.91)		<b>Symposium 14</b> Sensory and motor mechanisms regulating feeding behavior (P.98)		<b>Symposium 23</b> Possibility of Joint Lectures and Practicals on Central Nervous System Anatomy and Physiology (P.107)		
			<b>Symposium 8</b> Neural regulation of vascular function -Integration of anatomical and physiological evidence (P.92)		<b>Symposium 15</b> Recent progress in differentiation and regeneration of vessels (P.99)		<b>Symposium 24</b> A new vista of study on formation and function of lymphatic vessels (P.108)		
			<b>Symposium 9</b> Regulatory mechanisms of sperm properties toward fertilization success (P.93)		<b>Symposium 16</b> Zinc signaling: An emerging regulatory system in physiology and pathogenesis (P.100)		<b>Meeting Symposium 4</b> NO, the subsequent evolution (P.66)		
			<b>Meeting Symposium 3</b> Neuronal Specializations of Auditory Temporal Coding (P.65)		<b>Symposium 17</b> Role of the auditory cortex in hearing (P.101)		<b>Symposium 25</b> Auditory information processing in local circuit of the inferior colliculus (P.109)		
			<b>Symposium 10</b> Forefront of exo- and endocytosis research (P.94)		<b>Symposium 18</b> Mechanism of host defence and homeostatic maintenance by phagocytes (P.102)		<b>Symposium 26</b> Clinical needs and Clinical anatomic researches (P.110)		
			<b>Symposium 11</b> Expression, Structure and Function of Thermosensitive TRP channels (P.95)		<b>Symposium 19</b> Physiological functions of membrane transporters that regulate signals for tooth morphogenesis and differentiation (P.103)		<b>Symposium 27</b> Relationship between cellular functions and membrane transporters/ion channels (P.111)		
			<b>Symposium 12</b> Frontier of the structural and functional investigation of the kidney (P.96)		<b>Symposium 20</b> A better understanding of liver metabolism by multifaceted approaches (P.104)		<b>Symposium 28</b> New research focuses on the structure and function of gastric parietal cells (P.112)		
			<b>P1 Presentation</b>	<b>Poster</b> Ion channels, Receptors / Neurons, Synapses / Molecular anatomy, Molecular physiology / Organelle, Membrane transport / Others of Molecular anatomy, Molecular physiology, Cell biology / Experimental methods / Undergraduate Poster Presentations (P1-235-355) / MD Scientist Training Program (MD-P01- )			<b>Removal</b>		
			<b>Exhibition</b>						

※ [●] : Presentation language is Japanese.

# Program at a Glance

Day 2 March 22, Sun

		8:00	9:00	10:00	11:00	12:00	13:00
Kobe International Conference Center	Room A Main Hall		● Meeting Symposium 5 "La raison d'être" of the Associations, Councils, Committees and Unions of the Academic Societies (P.67)	Plenary Lectures Charles S. Zuker Hitoshi Sakano (P.54-55)			
	Room B International Conference Room		● Joint Program on Education1 Educational Lecture Haruyuki Kamiya Naoto Kobayashi (P.287)			● Luncheon Seminar 6 Nihon Cochlear Co., Ltd (P.292)	
	Room C Reception Hall		Symposium 29 The structural cell physiology of tight junction protein claudin (P.113)			● Luncheon Seminar 7 Nihon Medi-Physics Co., Ltd. (P.293)	
	Room D Room 401		● Symposium 30 Contents and view points necessary for the co-medical education of anatomy and physiology (P.114)				
	Room E Room 402		Japan-Korea Joint Symposium -Towards FAOPS2019- Morphological and Physiological Approaches to Synaptic Transmission (P.76)				
	Room F Room 403		Symposium 31 Imaging studies of memory processes with various animal models (P.115)				
	Room G Room 501		Symposium 32 Chrono-network ~Molecular Physiology/ Anatomy Cross-talking with Biological Time (P.116)			● Luncheon Seminar 8 PROTEA JAPAN Co., Ltd. (P.293)	
	Room H Room 502		Symposium 33 Frontiers in morphological and functional studies of neocortical circuits (P.117)			● Luncheon Seminar 9 FEI Company Japan (P.294)	
	Room I Room 504+505		Symposium 34 Crosstalk between nervous and immune systems (P.118)			● Luncheon Seminar 10 MEDICAL PINE CO., LTD. / TERUMO CORPORATION (P.294)	
	Room J Room 503		Symposium 35 Neuronal mechanisms of respiratory control in the medulla and spinal cord : integrative view of the anatomy and function (P.119)				
Exhibition Hall	Poster No.1 Building 2F	Posting	Poster Embryology, Regenerative Medicine, Development, Growth, Aging / Cartilage, Bone, Connective tissue / Muscle / Digestion, Digestive system / Oral physiology, Tooth, Salivary gland / Blood, Lymph, Immunity / Circulation / Respiration / Urinary organ, Renal function, Urination / Reproduction, Genital organ / Endocrine / Histology / Physical fitness and sports medicine / Nutritional and metabolic physiology, Thermoregulation (P.200-243)				
	Exhibition No.1 Building 2F		Exhibition				

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		13:00	14:00	15:00	16:00	17:00	18:00	19:00
Get-together Party / 19:30- / Room "Ohwada", Portopia Hotel			● PSJ Business Meeting (P.14)	● JAA Business Meeting (P.14)	● The Winning Lectures of Encouragement Award of the JAA (P.83)	Hiroshi and Aya Irisawa Memorial Award Symposium Brain-gut association via peptides and amines (P.82)		
					● Joint Program on Education2 Model Lecture Akira Nakashima, Atsuko Suzuki Tohru Murakami, Hitoshi Inokawa Shinichi Abe, Osamu Matsuo (P.287)			
					Symposium 36 Frontier of functional and morphological research in epithelial tissues of digestive organs (P.120)	Meeting Symposium 6 Molecular mechanism and physiological function of cell polarity : through the function of transporters (P.68)		
					● Symposium for paramedical staffs Part I: physiotherapy Recent Development of Physical Therapy Research on Motor Control (P.77)	● Symposium for paramedical staffs Part II: acupuncture and moxibustion Neural mechanisms of acupuncture analgesia (P.78)		
					Symposium 37 Developmental insights into cellular communications during organogenesis (P.121)	Symposium 43 Generation of Physiological Functions During Ontogenesis : Looking for the Frontier of 'Funciogenesis' (P.127)		
					Symposium 38 Anatomical and physiological approaches reveal the mechanism of memory retrieval in the Parabrachial Nucleus (P.122)	Symposium 44 Impacts of active experience on brain morphology and function (P.128)		
					Symposium 39 Frontier researches on the suprachiasmatic nucleus, the center of the mammalian circadian timing system (P.123)	Symposium 45 The time in Anatomy and Physiology (P.129)		
					Symposium 40 Variety in neural circuit construction and underlying principles (P.124)	Symposium 46 Structure and function of the hippocampus: approach from molecule to neuronal network (P.130)		
					Symposium 41 Stem cell therapy for neuronal disorders (P.125)	Symposium 47 New streams in researches knitted with neurophysiology and stem cell histology (P.131)		
					● Symposium 42 Birthplace, birthtime and molecular mechanisms of oligodendrogenesis (P.126)	Symposium 48 New structural and functional logics governing electrical signal propagation (P.132)		
Exhibition Hall	P2 Presentation	Poster Embryology, Regenerative Medicine, Development, Growth, Aging / Cartilage, Bone, Connective tissue / Muscle / Digestion, Digestive system / Oral physiology, Tooth, Salivary gland / Blood, Lymph, Immunity / Circulation / Respiration / Urinary organ, Renal function, Urination / Reproduction, Genital organ / Endocrine / Histology / Physical fitness and sports medicine / Nutritional and metabolic physiology, Thermoregulation				Removal		
		Exhibition						

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# Program at a Glance

Day 3 March 23, Mon

		8:00	9:00	10:00	11:00	12:00	13:00
Kobe International Conference Center	Room A Main Hall		<b>President's Symposium 2</b> Structure and function of biological membranes: viewed from molecules and their nano-environments (P.62)		<b>Plenary Lecture</b> Yoshinori Ohsumi (P.56)		
	Room B International Conference Room		<b>Joint Program on Education3 Educational Lecture</b> Makoto Sato, Tetsushi Furukawa (P.288)		<b>Luncheon Seminar 11</b> ADInstruments Japan Inc. (P.295)		
	Room C Reception Hall		<b>Meeting Symposium 7</b> Neural development and neuropsychiatric disorder models (P.69)		<b>Luncheon Seminar 12</b> FUKUDA LIFETECH KANSAI CO.,LTD. (P.295)		
	Room D Room 401		<b>Symposium 49</b> Regulation of physiological functions by neuroactive steroid and its morphological foundations: Regulatory mechanism for GABA signaling (P.133)		<b>Luncheon Seminar 13</b> Wolters Kluwer (P.296)		
	Room E Room 402		<b>Japan-Germany Joint Symposium</b> New bridge between Germany and Japan for basic medical sciences (P.79)				
	Room F Room 403		<b>Symposium 50</b> Frontier on fatigue, autonomic nerve dysfunction, and sleep-rhythm disorder (P.134)				
	Room G Room 501		<b>Meeting Symposium 8</b> Frontiers in biological application of microscopic measurements (P.70)		<b>Luncheon Seminar 14</b> J.MORITA MFG. CORP. (P.296)		
	Room H Room 502		<b>Symposium 51</b> Multilayered physiology-anatomy joint symposium for the cerebral cortical development and maturation (P.135)		<b>Luncheon Seminar 15</b> JEOL Ltd./ NIKON INSTECH CO., LTD. (P.297)		
	Room I Room 504+505		<b>Symposium 52</b> Structure and dynamics of the motor-related neuronal circuit in brain (P.136)		<b>Luncheon Seminar 16</b> ONO Pharmaceutical Co. Ltd / AstraZeneca K.K. (P.297)		
	Room J Room 503						
Exhibition Hall	Poster No.1 Building 2F	Posting	<b>Poster</b> Neuronal projection / Neurohistochemistry, Neurochemistry / Autonomic nervous system / Higher brain function / Motor function / Sensory function, Sensory organs / Neurological disorders, Neuropathophysiology / Others of Neuroanatomy, Neurophysiology, Neuronal cell biology / Behavior, Biological rhythm / Gross anatomy / Anthropology / Pathophysiology / Drug Effect / Medical education / Others (P.244-286)			<b>P3 Presentation</b>	
	Exhibition No.1 Building 2F		<b>Exhibition</b>				

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		13:00	14:00	15:00	16:00	17:00	18:00	19:00
		<b>S. Hagiwara Memorial Lecture</b> Kenji Kawano (P.59)	<b>S. Tawara Memorial Lecture</b> Satoshi Kurihara (P.60)	<b>Symposium 59</b> Physiological Model-Based Cardiovascular Diagnosis/Therapy (P.143)	<b>Symposium 66</b> Update of Research on Cardiovascular Regulation by Angiotensin (P.150)			
		<b>Joint Program on Education4 Educational Lecture</b> Tatsuo Sakai, Kiyoshi Kurata (P.288)	<b>Joint Program on Education5 Educational Lecture</b> Kenjiro Matsuno, Toyoshi Fujimoto, Noriyuki Koibuchi (P.289)					
		<b>Symposium 53</b> Synaptic structure and (dys) function: How do synaptologists challenge brain disease? (P.137)	<b>Symposium 60</b> Integrated approaches to understand the pathophysiology of dystonia and involuntary movement (P.144)	<b>Symposium 67</b> Central functions of oxytocin: Basic and clinical neuroscience (P.151)				
		<b>Symposium 54</b> Recent findings in development, function and disease of GABAergic neurons (P.138)	<b>Symposium 61</b> Morphological and functional mechanisms and their dynamics in the multimodality of inhibitory neural system (P.145)					
		<b>Japan-China Joint Symposium -Towards FAOPS2019-</b> Recent Advances in Organellar Morphology and Physiology (P.80)	<b>Symposium 62</b> Functional roles of monoaminergic/cholinergic neurotransmitters in higher order behaviors (P.146)	<b>Symposium 68</b> Diversity of serotonergic system in the brain -from development to aggression, reward and decision-making- (P.152)				
		<b>Symposium 55</b> New roles for biological clocks in homeostasis (P.139)	<b>Symposium 63</b> Frontiers in sleep research (P.147)					
		<b>Symposium 56</b> Cutting-edge <i>in vivo</i> nano-imaging technologies (P.140)	<b>Meeting Symposium 9</b> Leading-edge of science advanced by new electron microscopic technology for 3D reconstruction (P.71)	<b>Symposium 69</b> New trends for research on the regulatory mechanism of neuronal development (P.153)				
		<b>Symposium 57</b> Neurogenesis from embryo to adult (P.141)	<b>Symposium 64</b> Anatomical and physiological perspective of brain environment (P.148)	<b>Symposium 70</b> Activity-dependent regulation of myelinated nerve function and morphology (P.154)				
		<b>Symposium 58</b> Neuronal circuit in the basal ganglia in terms of transmitters and receptors (P.142)	<b>Symposium 65</b> Recent insight into molecules involved in food intake, stress and emotion (P.149)	<b>Symposium 71</b> Regulation of appetite and energy metabolism by brain (P.155)				
		<b>Joint Symposium among Anatomical, Pharmacological, and Physiological journals</b> Future prospect of anatomical, pharmacological, and physiological journals (P.81)						
		<b>Poster</b> Neuronal projection / Neurohistochemistry, Neurochemistry / Autonomic nervous system / Higher brain function / Motor function / Sensory function, Sensory organs / Neurological disorders, Neuropathophysiology / Others of Neuroanatomy, Neurophysiology, Neuronal cell biology / Behavior, Biological rhythm / Gross anatomy / Anthropology / Pathophysiology / Drug Effect / Medical education / Others			<b>Removal</b>			
		<b>Exhibition</b>						

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