

Day 1 March 17 (Mon)

		Opening ceremony	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	
2F	Room 1 Convention hall B		1501m Next-generation healthcare pioneered from basic medical research Hiroki Ueda, Satomi Adachi-Akahane, Yoichi Minami p.95		1PL01-1 Plenary Lecture 1 Donald E. Ingber p.68	1PL01-2 Plenary Lecture 2 Timothy A. Springer p.69		1SL01-1 Special Lecture 1 Francesca Levi-Schaffer p.76	1SL01-2 Special Lecture 2 Gerald W. Zamponi p.77	1SL01-3 Special Lecture 3 Toyoshi Fujimoto p.78	1SL01-4 Special Lecture 4 Yasunori Yamamoto p.79				
	Room 2 Convention hall A		1502m AMED-JST collaborative area "Multisensing" symposium: Integration of sensory information in peripheral sensory organs and the central nervous system Takuya Sasaki, Takeshi Hiyama p.97					JAA The Winning Lectures of Encouragement Award of the JAA Shozo Jinno p.90	1E102 Educational Lecture 1 Akihiro Harada p.86	JPS The 40th Encouragement of Young Investigator Award Lectures Shuhei Tomita p.91					
	Room 3 International Conference Room		1503m AMED-CREST/PRIME "Stress" area symposium: New trends in stress research toward mechanistic understanding of stress responses and pathogenesis Kazuhiro Nakamura, Takahiro Masuda p.99						1503a The Future of AI and the Co-Creation of Life Hiroaki Wake, Ken Nakae p.125		1503e Math and Biology in the Age of Huge Data and Computation Yuji Ikegaya, Kenji Doya p.149				
	Room 4 201-A		1504m Corporate Planning Symposium: Translational Research Using Human Cancer Tissues in Drug Discovery Katsuoichi Ichikawa, Tadashi Kondo p.101		WHO's Health Risk Assessment of extremely low frequency electromagnetic fields (ELF-EMFs) Co-hosted by: Japan Electrical Safety & Environment Technology Laboratories - Japan EMF Information Center		1LS04 Luncheon Seminar p.299	15E04-01 Pain relief 濱田 祐輔 p.177	15E04-02 Renal/Urinary System 齊藤 源頭 p.179	1PD04-01 Panel discussion about an issue on Nakanishi Grants-in-Aid for Scientific Research Kazuhide Toulara, Noriko Takahashi	1PD04-02 Current status and perspectives of the biomedical sciences using laboratory animals in Japan Kato Fusao, Mizuho Kido				
	Room 5 201-B		1505m Pressure stimuli regulate the biological functions and provide new insights into medical treatments Masatoshi Morimatsu, Yohei Yamaguchi p.103		Dissecting Pathogenesis by Spatial Transcriptome Analysis Co-hosted by: CyberomiX Inc.		1LS05 Luncheon Seminar p.299	1505a Physiological responses and adaptive processes in animals under extreme environmental conditions Hiroshi Yamaguchi, Daisuke Ono p.127		1505e Mechanisms of heat acclimation: From the brain and intestinal environment to applications in humans Youichirou Ootsuka, Takayuki Ishiwata p.155					
	Room 6 202		1006m Cranial nerve I Sayaka Sugiyama, Takahiro Moriya				12:40	13:10	1006a Neurological disorders Hideki Hayashi, Akihiro Mouri		1006e Molecular, Intracellular signaling Sen Takeda, Taichiro Tomida				
3F	Room 7 301-B		1507m Cutting edge of subcellular neurobiology Shin-ya Kawaguchi, Haruyuki Kamiya p.105				1MP07 Meet the Professors 1 Koji Ikegami Kanna Nagaiishi p.87	1507a Molecular Insights into Aortic Disease: New Preventive and Therapeutic Frontiers Utako Yokoyama, Kazuaki Yoshioka p.129		1507e Prospects for the Future: Exploring New Horizons in Biological Hierarchical Understanding through Functional Morphological Fusion Yasu-Taka Azuma, Hideaki Tagashira p.157					
	Room 8 301-A		1508m Multifaceted approaches to signaling systems underlying dynamic changes in biological events Sho Kakiwaza, Shigeki Moriguchi p.107				12:40	13:30	1508a 75th anniversary symposium of the Journal of Physiological Sciences Hotta Harumi, Tominaga Makoto p.131	1508e Education of Anatomy, Physiology, and Pharmacology in Nursing Toshihiko Yanagita, Miki Kurowa, Takeshi Yamaguchi p.159					
	Room 9 302		1509m He beats diseases who knows anatomy - The frontier of anatomical approaches against central nervous system diseases - Motokazu Uchigashima, Takahiro Furuta p.109		Unveiling the Mechanisms of Hibernation through Non-Invasive Metabolic Monitoring		1LS09 Luncheon Seminar Co-hosted by: ARCSYSTEM Inc. p.300	1509a Innovative Approaches to CNS Disorders: from Diagnosis to Treatment Takeo Yoshikawa, Motoko Maekawa p.133	1509e Development of Brain Function Analysis Devices and Brain Tumor Treatment Devices Masanari Umemura, Yuanyuan Guo p.161						
	Room 10 303		1510m Marching with calcium signaling ion channels Yasushi Okamura, Byung-Chang Suh p.111		Introduce Products for Alternatives to Animal Experiments Co-hosted by: NIKKISO CO., LTD. / FUJIFILM Wako Pure Chemical Corporation		1LS10 Luncheon Seminar p.300	13:10	1510a Maintenance and disruption of homeostasis by ion channels: Structural, functional, and pharmacological analyses Hiroko Izumi-Nakaseko, Tomoe Y. Nakamura-Nishitani	1510e Frontiers in Neurophysiology: Women Pioneers in Motor Control Yoshiko Izawa, Kathleen Cullen p.163					
	Room 11 304		1511m Allergy March and Atopic Dermatitis Katsuyo Ohashi-Doi, Takeshi Nabe p.113				1LS11 Gender Equality Project (The Leaky Pipeline Problem in Research) Tomoe Nakamura-Nishitani, Shuhei Tomita	1511a Structures and physiological functions governing perception Yasuyuki Osanai, Ai Nakashima p.137	1511e Next-generation research toward objectively elucidating pain Yasunori Takayama, Kenta Maruyama p.165						
	Room 12 101		1512m New findings in the molecular mechanisms of cell membrane homeostasis for the understanding of the pathophysiology and the exploration of novel drug targets Wataru Otsu, Junko Nio-Kobayashi p.115				12:30	13:35	1512a Understanding the pathophysiology of neuropsychiatric disorders through mitochondrial and metabolic research Hirofumi Nagai, Mutsumi Yokota p.139	1512e Potential of primary cilia as therapeutic targets Yuhei Nishimura, Masaki Saito p.167					
1F	Room 13 102		1513m Observing, Reading, and Creating Mitochondria ~ Toward the Development of New Basic Medical Technology~ Yuri Kato, Akiko Ogawa p.117					1513a Multi or trans? - Understanding biological systems over scales using interdisciplinary approaches Madoka Suzuki, Takuma Sugi p.141	1513e A new vista of Lymphology through the integration of Anatomy, Physiology and Pharmacology Hiroshi Shimoda, Yoshiko Kawai p.169						
	Room 14 103		1514m New trend of human biology using human tissue models Yasunari Kanda, Yasuhiro Tsukimi p.119					1514a Corporate Planning Symposium: Current status of R&D using strategic modalities in pharmaceutical companies Hisaharu Yamada, Teisuke Takahashi p.143	1514e Breathing and circulation as allostasis: A new perspective on brain-body interactions Nozomu Nakamura, Tadachika Koganezawa p.171						
	Room 15 104		1515m Dynamics of central and peripheral systems in experience- and state-dependent behavioral changes and their dysfunctions Hiroshi Nomura, Chitoku Toda p.121					1515a Toward interdisciplinary collaboration between medical science and electrochemistry: status quo, challenges, and prospects Junko Kurokawa, Hitoshi Shiku p.145	1515e Mechanisms for self-recognition and its physiological advantages and risks Katsumori Segawa, Tomohiko Taguchi p.173						
	Room 16 105		1516m The regulation of brain development, aging, and pathology by "cerebrospinal fluid and meninges" Hiroyuki Konishi, Jun Hatakeyama p.123					1516a Time-dependent and disease-specific differentiated cell-interaction analysis and unbiased reverse translational research Minoru Narita, Takahiro Kato p.147	1516e Nicotinic receptor-mediated peripheral-central linkages in regulation of physiological functions and development of therapeutics Toru Takumi, Tsuyoshi Inoue p.175						
	Room 17 hall 8		1017m Cranial nerve II Hiroyuki Hioki, Masahiro Yamaguchi					1Y1A17a YIA Anatomy Group 1 Hideki Enomoto, Kazunori Nakajima	1Y1A17e YIA Pharmacology Group 1 Takuma Kitanishi, Hajime Sato						
	Room 18 hall 8		1018m Glia, Neurophysiology morphology Masakazu Agetsuma, Yoshio Bando					1Y1A18a YIA Physiology Group 1 Gen Ohtsuki, Reiko Hanada	1Y1A18e YIA Anatomy Group 2 Hirohiko Okamura, Tsutomu Matsubara						
Room 19 hall 8		1019m Sensory, Motor function Sae Uchida, Fumitaka Osakada					1019a Autonomic nervous system Masaki Mogi, Tatsuya Morimoto	1019e Intracellular signaling, Embryology, Regenerative Medicine Masataka Okabe, Takeshi Takarada							
Exhibition hall hall 8	8:00 8:30	Installation		10:20				3:40	15:30	15:40	17:30	17:40	18:40	17:00 19:00	
					Poster Viewing				Poster Viewing			Poster Discussion		Matchmaking event for young researchers	

Day 2 March 18 (Tue)

		9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	
2F	Room 1 Convention hall B	25L01-1 Special Lecture 5 Hideki Katagiri p.30	25L01-2 Special Lecture 6 Kaoru Kondo p.81	2PL01-1 Plenary Lecture 3 Kazutoshi Mori p.70	2PL01-2 Plenary Lecture 4 Sachiko Tsukita p.71		25L01-3 Special Lecture 7 Osamu Nureki p.32	25L01-4 Special Lecture 8 Naoki Okamura p.83		JAA General Meeting				
	Room 2 Convention hall A	2502m Joint Education Committee Educational Program Model Lecture 2: Nervous System "Somatosensory System" Miwako Yamasaki, Fumihito Ono p.181		10:30	11:30	12:30	2502a Joint Education Committee Educational Program Model Lecture 1: Circulatory System "Cardiac Conduction System" Susumu Minamisawa, Junko Kurokawa p.209		15:40	JPS General Meeting for Delegate and Council Members / Induction Ceremony for Honorary Membership				
	Room 3 International Conference Room	2503m Bidirectional translational research to elucidate the pathophysiology of psychiatric and neurological disorders Tomoyuki Furuyashiki, Masaki Fukata p.183			Korea-Japan friendship seminar p.302	2LS03 Luncheon Seminar Phuong Vy Kim, Satomi Akachi-Akabayashi	2503a Smoking harm reduction towards achieving One Health Motohiro Nishida, Naohiko Anzai p.211		High School Students Awards Ceremony	PSJ General Meeting				
	Room 4 201-A	25E04-01 Metabolic and endocrine system 安藤 仁 p.237	25E04-02 Central nervous system 池谷 裕二 p.239		An invitation to the Ultra-High Resolution and Beautiful World p.303	2LS04 Luncheon Seminar Co-hosted by: JEOL Ltd.	2504a Recent Ethical Issues in Anatomy, Physiology, and Pharmacology Takao Senda, Kenji Kansaku, Tomoyuki Furuyashiki p.213			ST01 Short talk 01				
	Room 5 201-B	2505m Homeostasis and environmental adaptation from the perspective of thermoregulation Kunitoshi Uchida, Naoya Kataoka p.185			Evaluation of Drug Dependence and the Multifaceted Interpretation of Data p.303	2LS05 Luncheon Seminar Co-hosted by: Shin Nippon Biomedical Laboratories, Ltd.	2505a AI-driven and data-driven approaches for drug discovery and pharmacology Katsuyuki Yugi, Yoshihiro Yamanishi p.215			ST02 Short talk 02				
	Room 6 202	2006m Ion channels, Receptors, Transporters Takaaki Sokabe, Ayako Takeuchi				12:40	13:30	PRP Physiological Reports Presentation Award-Nominated Abstract Koji Ikegami, Sumiko Kinyu-Seo, Hiroko Takeuchi, Akiyuki Taruno, Toshiaki Kume, Sayaka Takemoto-Kimura			ST03 Short talk 03			
3F	Room 7 301-B	2507m Transgenerational Biology Takahiro Nemoto, Shiro Tochitani p.187				2MP07 Meet the Professors 2 Yoshihiro Ishikawa Sayaka Sugiyama p.88	2507a Elucidation of hypoxic response system by multi-disciplinary approaches- aiming to develop new hypoxia-targeting drugs- Koh Nakayama, Shuhei Tomita p.217			ST04 Short talk 04				
	Room 8 301-A	2508m How to rejuvenate the Japanese academic journals Sen Takeda, Junko Kurokawa p.189				12:40	13:30	2508a Conversion of SR/ER Ca2+ release into smooth muscle excitation by Ca2+-activated Cl- channels Hiikaru Hashitani, Paolo Tammarop p.219			ST05 Short talk 05			
	Room 9 302	2509m Function, structure and molecular mechanisms of nervous system underlying the activities of life Yuki Suda, Ichiro Kawahata, Yutaro Kashiwagi p.191			Fluorescence lifetime utility: Fluorophore separation, more quantitative FRET, biosensors and STED super-resolution microscopy p.304	2LS09 Luncheon Seminar Co-hosted by: Leica Microsystems K.K.	2509a Cutting edge of Neuroimaging Fumino Fujiyama, Akari Hagiwara p.221			ST06 Short talk 06				
	Room 10 303	2510m Ca2+ signaling-based diverse pathogenesis: Elucidation of molecular mechanisms and their application to drug discovery Yoshiaki Suzuki, Gerald Zamponi p.195			Application of hiPSC-derived Cardiosight®-S Co-hosted by: NEXEL Co., Ltd p.304	2LS10 Luncheon Seminar	2510a Cutting Edge of the Thermosensitive TRP Channel Research Makoto Tominaga, Mizuho Kido p.223			ST07 Short talk 07				
	Room 11 304	2511m New direction in pain research for understanding the pain control mechanism and systemic function Makoto Tsuda, Hidemasa Furue p.197			Volume EM; Explore with Hydra Bio plasma-FIB Co-hosted by: Thermo Fisher Scientific p.305	2LS11 Luncheon Seminar	2511a Cutting-edge translational research for clinical application in otology Takehiko Ueyama, Fumiaki Nin p.225			ST08 Short talk 08				
	Room 12 101	2512m Organelle-orchestrated multi-mode physiology Sho Aki, Daisuke Shimura p.199				12:40	13:10	2512a Mitochondria Dynamics Shapes Cellular Fate: Unraveling Mechanisms and Therapeutic Interventions Non Miyata, Masafumi Noguchi p.227			ST09 Short talk 09			
1F	Room 13 102	2513m The impairment of internal biological systems caused by chronic kidney disease Hiroyuki Terawaki, Naohiko Anzai p.201					2513a Inflammation, disease and metabolism Owada Yuji, Takashi Maruyama p.229			ST10 Short talk 10				
	Room 14 103	2514m Chronoproteiology: Molecular mechanisms of the circadian rhythms and seasonal responses Hikari Yoshitane, Takashi Yoshimura p.203					2514a Collaborative efforts of industry, academia, and government to provide appropriate therapies for children Hiroyuki Kawagishi, Aki Murashima p.231			ST11 Short talk 11				
	Room 15 104	2515m Spatial-temporal understanding of multicellular interactions based on quantification of biological signal information Motohiro Nishida, Takeshi Imai p.205					2515a Symposium of Transformative Research Area (B) "Drowsology": How to understand drowsiness Yasutaka Niwa, Masayuki Sakamoto p.233			ST12 Short talk 12				
	Room 16 105	2516m Audition and dementia Takashi Nakagawa, Hiroshi Kuba p.207					2516a Anatomy, physiology, and pharmacology pioneered by advanced technologies Ayano Chiba, Yuuki Fujiwara, Yuki Hattori p.235			ST13 Short talk 13				
	Room 17 hall 8	2YIA17m YIA Physiology Group 2 Tsuayoshi Inoue, Satoshi Koba					2YIA17a YIA Anatomy Group 3 Kagaku Azuma, Hideshi Yagi			ST14 Short talk 14				
	Room 18 hall 8	2YIA18m YIA Pharmacology Group 2 Takahiko Shiina, Isao Naguro					2YIA18a YIA Pharmacology Group 3 Masataka Asagiri, Takahiro Sato			ST15 Short talk 15				
Room 19 hall 8	2019m Cartilage, Bone, Muscle Masahiro Chatani, Toshiko Yamazawa					2019a Gross anatomy, Muscle Kazuho Sakamoto, Toru Taguchi			ST16 Short talk 16					
Exhibition hall hall 8	8:00 8:30 Installation	10:20 Poster Viewing		10:30	12:30		13:40	15:30	15:40	16:40	17:00 Removal		18:15	20:15

Day 3 March 19 (Wed)

		9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
2F	Room 1 Convention hall B	3ML01-1 S. Tawara Memorial Lecture Noritsugu Tohse p.74	3ML01-2 S. Hagiwara Memorial Lecture Hiroshi Asahara p.75	3PL01-1 Plenary Lecture 5 Yasuo Mori p.72	3PL01-2 Plenary Lecture 6 Shigeo Okabe p.73		3SL01-1 Special Lecture 9 Yukiko Goda p.84	3SL01-2 Special Lecture 10 Shigeo Murata p.85			Award ceremony for the Excellent Presentation Award and closing ceremony		
	Room 2 Convention hall A	3S02m How do humans work to live together with humans, other organisms, and xenobiotics in the earth? Hiroshi Hibino, Satomi Akahane p.241			10:30	11:30	12:30	3S02a Interdisciplinary Cooperation of Digital and Exposome Researches: Towards Comprehensive Understanding Interactions between Living Organisms and Environment Motohiro Nishida, Nobuhiko Ohno p.267		16:40	17:00		
	Room 3 International Conference Room	3S03m Hibernation Biology: Physiological Mechanisms of Active Hypometabolism-Hypothermia Ryosuke Enoki, Genshiro Sunagawa p.243					3EL03 Educational Lecture 2 Yasuhiro Uezono p.86	3S03a The Role of Practical Training in Pharmacology, Physiology, and Anatomy Education: Are the practical trainings really necessary? Koichiro Wada, Masaki Mogi p.269					
	Room 4 201-A	3S04m The tumor Microenvironment Eiichi Hinoi, Shumpei Ishikawa p.245			Advancing Space Bio Experiments with a Lensless Microscopic Device Co-hosted by: IDDK Co., Ltd.		3LS04 Luncheon Seminar p.305	3SE04-01 Circulatory system 高原 章 p.293	3SE04-02 Respiratory system 磯波 洋一郎 p.295				
	Room 5 201-B	3SP05-01 The 1st Encouragement of Doctoral Research Award Lectures Kichiro Kawahata, Daisuke Ito p.92	3SP05-02 JPS-ASCEPT lecture Hitoshi Hashimoto p.297					3S05a Physiological, anatomical, pharmacological, and nutritional approaches to diurnal environmental adaptation phenomena Masaaki Ikeda, Teruya Tamaru p.271					
	Room 6 202	3S06m Digestive system, Respiration Yasutake Shimizu, Kimihito Tashima						3S06a Endocrine, Environmental physiology Tetsuya Shiuichi, Masanori Nakata					
3F	Room 7 301-B	3S07m Multidisciplinary strategies aimed at elucidating social behavior with important conspecifics Nobuyoshi Matsumoto, Saori Yokoi p.247				3MP07 Meet the Professors 3 Motohiro Nishida p.89	3S07a Glial function in controlling brain structure and function from micro to macro scale Schuichi Koizumi, Misa Arizona p.273						
	Room 8 301-A	3S08m A multifaceted approach to achieving sustainable CST Hirohide Iwasaki, Masaaki Kitada p.249				12:40	13:30	3S08a Investigating, understanding, and protecting the pathology of cardiac, skeletal, and smooth muscle-related diseases Lin Kurahara, Tsuyoshi Shuto p.275					
	Room 9 302	3S09m CuttingEdge technology of Photobiology revealing life phenomena Hiroaki Wake, Hideaki Kato p.251						3S09a Neural Computations in the Visual Pathway: From Cellular Compartments to Interareal Communications Sato Tatsuo, Benucci Andrea p.277					
	Room 10 303	3S10m Reconsidering Ion Channel Regulation by Intracellular Signaling: From Molecules to Biological Functions Takafumi Kawai, Noriyuki Nakashima p.253						3S10a Artificial Intelligence is Changing the Future of Animal Experiments Takahisa Murata, Masayuki Goto p.279					
	Room 11 304	3S11m Multi-angled analyses of central and peripheral mechanisms underlying different types of pain Atsufumi Kawabata, Noriyuki Ozaki p.255						3S11a Rehabilitation Renaissance Yukio Nishimura, Kazuhiko Seki p.281					
	Room 12 101	3S12m Mechanophysiology research pioneered by advanced imaging technology Kimiko Yamamoto, Ken Takahashi p.257						3S12a Interplay between morphology and physiology reveals novel mechanism regulating differentiation and insulin secretion of pancreatic beta-cells Wataru Nishimura, Takashi Miki p.283					
1F	Room 13 102	3S13m Updated issues on Alport syndrome research Hirofumi Kai, Kandai Nozu p.259						3S13a Unraveling the Various Roles of Peptide Hormones from Multiple Perspectives and New Developments Kazuya Hasegawa, Takashi Nakakura p.285					
	Room 14 103	3S14m Academia-led Drug Innovation Aiming for Global Health from Natural Resources Chihiro Tohda, Tomoharu Kuboyama p.261						3S14a Discovery of novel therapeutic targets for stress-related disorders Satoshi Deyama, Ryota Shinohara p.287					
	Room 15 104	3S15m Metabolic control of disease metabolites and their medical applications Motohiro Nishida, Fanyan Wei p.263						3S15a Advancing Drug Discovery Through Multilayered Crosstalk of GPCRs Yuki Shiimura, Akira Yamashita p.289					
	Room 16 105	3S16m Neurophysiological Basis of Motor Development Sachine Yoshida, Nobuhiro Nakai p.265						3S16a Defying irreversible life processes Yuki Katanosaka, Hirokazu Yagi p.291					
	Room 17 hall 8	3S17m Body fluids, Circulation, Immune response Masanari Umemura, Utako Yokoyama						3S17a Drug, Drug discovery Mitsuhiro Goda, Yoshito Zamami					
	Room 18 hall 8	3S18m Circulation Mikiko Ohno, Takeshi Tokudome						3S18a Pathophysiology, Digital medicine Hiroyuki Kawagishi, Yasunari Kanda					
	Room 19 hall 8	3S19m Urinary organ, Renal function, Urination, Reproduction Takuya Omotehara, Mikihiro Yoshie						3S19a Immunity, Inflammation, Infection, Others Hiromi Sato, Masanori Murayama		15:40	16:40	17:00	
Exhibition hall hall 8	Installation 8:00 8:30	Poster Viewing 10:20				Poster Viewing 13:40		Poster Discussion 15:30	Removal 16:40				

J: in Japanese EJ: in English / Japanese