Physiological Reports Presentation Award

No.	Title	Name	Affiliation
PRP-1	A2-Pancortin augments calcium release from ER at mitochondria-ER contact sites (MERCs) and induces perinatal neuronal death in an ischemic mouse model	Qi Yang	Grad Sch Med, Osaka Univ
PRP-4	Live cell imaging analysis of the mechanism of neurotransmitter release from enteroendocrine cells	Yo Ito	Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo
PRP-6	Histamine neuronal activity modulates the natural fluctuation between successful and unsuccessful memory expression	Yuki Takamura	Department of Cognitive Function & Pathology, Graduate School of Medical Sciences, Nagoya City University

Graduate Student Presentation Excellence Award

No.	Title	Name	Affiliation
PRP-2	Analysis of axonal mitochondria in midbrain organoids derived from TH-GFP iPS cells	Akihiko Nishijima	Department of Cell Biology and Neuroscience,Juntendo University Graduate School of Medicine
PRP-3	Visualization of Microglial Phenotypic Changes in MRI Using P2Y12 Receptor-Targeted Contrast Agent	Yutaro Saito	Department of Anatomy and Molecular Cell Biology, Nagoya University Graduate School of Medicine
PRP-5	Activated astrocytes induce dysfunction of inhibitory spinal dorsal horn interneurons important for neuropathic allodynia	Daichi Sueto	Department of Molecular and System Pharmacology, Graduate School of Pharmaceutical Sciences, Kyushu University

Graduate Student Presentation Award

No.	Title	Name	Affiliation
ST01-03	Adult neurogenesis in the ventral hippocampus decreased among anmial models of neurodevelopmental disorders	Lihao Sun	Shinshu University
ST01-06	Quantitative in toto live imaging analysis of apical nuclear migration in the mouse telencephalic neuroepithelium	Tsukasa Shimamura	Department Of Anatomy And Cell Biology, Nagoya University Graduate School Of Medicine
ST01-07	Analysis of the regulatory mechanisms of myelin-related gene expression in fetal mice brains using a novel polypeptide	Izumi Ikezawa	Division Of Neurobiology And Anatomy, Graduate School Of Medical And Dental Sciences, Niigata University
ST01-08	Developmental maturation of human cortical circuits driven by thalamic input in pluripotent stem cell-derived assembloids	Masatoshi Nishimura Nishimura	Nagoya Univ.
ST01-10	Mosaic expression of Protocadherin 19 induces abnormal axon sorting of olfactory sensory neurons.	Mayu Hanamoto	Master' S Program In Health Science And Technology, Kawasaki University Of Medical Welfare
ST01-11	Flexibility of Oxytocin Neuron Activity in Mother Mice Revealed by Fiber Photometry and Microendoscopy	Kasane Yaguchi	Laboratory For Comparative Connectomics, Riken Center For Biosystems Dynamics Research, Hyogo, Japan
ST02-01	Anatomical and functional segregation along the anterior-posterior axis of mouse cingulate cortex circuits	Rumina Ueda	Nagoya University
ST02-03	Huntingtin-associated protein 1 deficiency in mouse brainstem raphe nuclei leads to disrupted serotonergic neuronal fiber-arborization.	Marya Afrin Afrin	Graduate Student (Doctoral), Division Of Neuroanatomy, Yamaguchi University Graduate School Of Medicine
ST02-07	Spatial coding dynamics revealed by unrestrained virtual environment	Tingyu Wang	Komaba Institute For Science , Graduate School Of Arts And Sciences, The University Of Tokyo
ST02-12	Role of IFN-γ from CD8 T cell in trigeminal ganglion for orofacial neuropathic pain	Momoyo Kobayashi	Department Of Oral Medecine, Nihon University School Of Dentistry
ST02-14	Trigeminal ganglion-Trigeminal subnucleus oralis pathway contribute orofacial neuropathic pain.	Yurika Ide	Department Of Complete Denture Prosthodontics, Nihon University School Of Dentistry
ST02-15	Exploration of NPY involvement in the antidepressant effect of electroconvulsive stimulation	Rino Kashiwabara	Tokyo University Of Science

ST02-17	Differential molecular composition of post synaptic densities in the dorsal and ventral hippocampus	Shinkuro Kobayashi	Department Of Pharmacology, Graduate School Of Medicine, The University Of Tokyo
ST02-18	Experience-dependent behavioral adaptation and neural activity in the mouse posterior parietal cortex	Keigo Tsutsumi	Graduate School Of Pharmaceutical Sciences, Nagoya University
ST03-02	Microglia are necessary for depressive-like behavior but not sickness behavior following systemic inflammation	Ryosuke Yoshida	The University Of Tokyo
ST03-05	The decrease of connexin43 in primary cultured astrocytes potentiates brain derived-neurotrophic factor by amitriptyline through the enhancement of downstream signal of lysophosphatidic acid receptor	Nozomi Tokunaga	Department Of Pharmacology, Graduate School Of Biomedical & Health Sciences, Hiroshima University
ST03-11	Spatio-temporal analysis of CD11c+ microglia during healthy development and in Alzheimer's disease model	Kohei Nomaki	Dept. Mol. And Syst Pharmacol., Grad. Sch. Pharma. Sci., Kyushu Univ.
ST03-12	Involvement of astrocytic gap junctions in mesial temporal lobe epilepsy	Kazuma Miyata	Graduate School Of Pharmaceutical Sciences, The University Of Tokyo
ST03-14	Connexin activation drives metabolic alterations and epileptogenesis following status epilepticus	Hiroki Hoshino	Department Of Neuropharmacology, Interdisciplinary Of Graduate School Of Medicine, University Of Yamanashi
ST03-15	Hyperactivity of colonic myenteric plexus in a mouse model of irritable bowel syndrome	Ken Ueda	Department Of Life Sciences, Graduate School Of Arts And Sciences, The University Of Tokyo
ST04-03	The mutant of Pcdh15, a gene associated with bipolar disorders (BD), induces BD-like behavioral and synaptic transmission abnormalities in mice	Masaki Kano	Division Of Clinical Sciences And Neuropsychopharmacology, Faculty And Graduate School Pharmacy, Meijo University
ST04-04	Chemogenetic inhibition of microglia attenuates mechanical allodynia induced by prenatal exposure to histone deacetylase inhibitor	Chiaki Tsuru	Dept. Orthodont. Craniofac. Dev. Biol., Grad. Sch. Biomed. Health Sci., Hiroshima Univ.
ST04-06	Motor dysfunction in neonatal white matter injury indirectly affects cerebellar developmental changes.	Shiori Tominaga	Department Of Neurophysiology And Brain Science, Nagoya City University Graduate School Of Medical Sciences
ST04-07	Disrupted neuronal processing in limbic-motor circuits causes tic disorders in mice	Hiroto Kuno	Department Of Physiology And Cell Biology, Kobe University Graduate School Of Medicine
ST04-12	Innate liking and disgust reactions elicited by intraoral capsaicin in male mice	Yibin Han	Institute Of Science Tokyo
ST05-01	Contrast enhanced X-ray computed tomography imaging in mouse models of focal cerebral ischemia	Rongrong Yang	Kanazawa University
ST05-07	Ceramide metabolic enzyme deficiency alleviates neuroinflammation and depressive-like behavior	Rikuki Yoshitsugu	Laboratory Of Chemical Pharmacology, Graduate School Of Pharmaceutical Sciences, Chiba University
ST05-09	Effects of Fecal Microbiota Transplantation on behavioral abnormality in attention deficit hyperactivity disorder (ADHD)-like model rat	Wakana Harigai	Unit. Grad. Sch. Of Child Dev., Osaka Univ.
ST05-15	Reduced glutamate transporter activity induces the spontaneous spreading depolarization in larval zebrafish brain	Qing Zhang	Graduate School Of Biomedical And Health Sciences, Hiroshima University
ST05-16	Maternal hypothyroidism during the fetal and neonatal periods causes behavioral abnormalities in mouse offspring	Shiho Mima	Department Of Pharmacology, Graduate School Of Dentistry, Osaka University
ST06-01	Cell-type and time-specific activation of the unfolded protein response after intrahippocampal injection of kainate in mice	Huong Ly Nguyen	Dept. Neuroanatomy, Kanazawa University
ST06-06	Neuroprotective effects of thrombopoietin on neuronal proliferation and neurite outgrowth inhibition in intrauterine growth restricted rats.	Yuka Suzuki Suzuki	Department Of Pathobiology, Nagoya City University Graduate School Of Pharmaceutical Science

ST06-11	Vagus Nerve Stimulation by Umami Ingestion Reduces Aggression and Alters Central Amygdala Activity in ADHD Model Rats	Dewi Mustika	Department Of Neurophysiology And Brain Science, Nagoya City University Graduate School Of Medical Sciences, Nagoya, Japan
ST06-13	Prokineticin 2 neurons of the suprachiasmatic nucleus are essential for the circadian behavior rhythm	Kaito Onodera	Kanazawa University
ST06-15	Betta fish: a novel vertebrate model for sleep research	Ryunosuke Chiba	Department Of Biological Sciences, Graduate School Of Science, The University Of Tokyo
ST07-03	Activation of the lateral habenula induces stress-related cardiovascular responses via the ventral tegmental area.	Yuma Sato	Dept Neurophysiol, Inst Med, Univ Tsukuba, Tsukuba, Ibaraki, Japan
ST07-04	Neuro-Immune Mechanisms of Hypertension Pathogenesis through Kidney Macrophages	Norito Washimine	Department Of Nephrology, Graduate School Of Biomedical Sciences, Nagasaki University
ST07-06	Different types of nutrients activate distinct sets of neurons in the nodose petrosal ganglion	Hikari Takeshima	Department Of Developmental Neurophysiology, Graduate School Of Medical Sciences, Kyushu University
ST07-07	Distinct brain functions induced by left and right vagal afferents activation following peripheral oxytocin administration	Kengo Iba	Laboratory Of Animal Science, Graduate School Of Life And Environmental Sciences, Kyoto Prefectural University
ST07-11	Establishment of a comprehensive method for analyzing the characteristics of cells with primary cilia specific to diseases	Mikihito Ike	Lab. Of Adv. Cosme. Sci., Grad. Sch. Of Pharm., Osaka Univ
ST07-12	Analysis of signaling pathways regulating primary ciliogenesis in inflammatory skin disease	Ayane Nakaoku	Lab. Of Adv. Cosme. Sci., Grad. Sch. Of Pharm., Osaka Univ.
ST08-08	Dad1 and Stt3A are essential for N-glycosylation of integrins and promote cardiomyocyte survival	Shota Mori	Laboratory Of Clinical Science And Biomedicine, Graduate School Of Pharmaceutical Sciences, Osaka University
ST08-10	Identification of expression and transcriptional regulatory domain of prostaglandin E2 receptor EP4 in the ductus arteriosus	Sayuki Oka	Tokyo Medical University
ST08-15	Analysis of the mechanism of SLE onset by a novel PIK3CD mutation	Kyoko Kiyota	Oita University, Department Of Pediatrics
ST08-17	Pathophysiological significance of nitric oxide for long COVID and potential therapeutic strategies with the specific inhibitor of DNMT3B S-nitrosylation	Yuto Moriya	Department Of Medicinal Pharmacology, Graduate School Of Medicine, Dentistry And Pharmaceutical Sciences, Okayama
ST09-01	Transport of dicarboxylates on renal tubular organic anion transporters (OATs)	Yuki Ikematsu	Department Of Pharmacology Graduate School Of Medicine Chiba University
ST09-08	The application of caged lysine on K188 of the mouse inward rectifier Kir2.1 channel suggests a novel mechanism other than salt bridge formation in its PIP2-sensitive gating	Junxian Zhou	Integrative Physiology, Graduate School Of Medicine, Osaka Uuniversity
ST09-11	Inhaled anesthetics target the type 1 ryanodine receptor	Hiroyuki J. Kanaya	Department Of Systems Pharmacology, Graduate School Of Medicine, The University Of Tokyo
ST09-12	Analysis of the origin of Na+- and Ca2+-selectivity using novel prokaryotic cation channels	Yuki Maeda	Department Of Pharmacology, Faculty Of Medicine, Wakayama Medical University
ST09-13	Electro pacing stimulation plays a role of change in cellular characteristics of iPSC-derived cardiomyocytes	Ryushi Sato	Dept. Bio-Inform. Pharmacol., Sch. Pharmaceut. Sci., Univ. Shizuoka
ST10-01	Liver Sinusoidal Vasculature Remodels During the Perinatal Period	Beta Canina Harlyjoy	Department Of Vascular Physiology, Graduate School Of Medical Science, Kanazawa University
ST10-06	Factors determining human midgut loop formation: The impact of midgut length, diameter, and location	Nanase Ishida	Human Health Science, Graduate School Of Medicine, Kyoto University, Kyoto, Japan

ST10-07	Identification of genes involved in abnormal differentiation into primitive macrophages derived from pluripotent stem cells established from a mouse model and a human individual with Down's syndrome	Koki Harada	Kyoto Pharmaceutical University
ST10-12	Cellular and molecular insights into the pathophysiology of disuse osteoporosis associated with physical inactivity	Kei Gochi	Department Of Cellular Physiological Chemistry, Graduate School Of Medical And Dental Sciences, Institute Of Science Tokyo
ST11-04	Chronic and Acute Vitamin D Stimulation Enhance Voltage-Activated Calcium Transients in Skeletal Myotubes	Mingyi Dong	Department Of Applied Biosciences, Graduate School Of Bioagricultural Science, Nagoya University, Japan
ST11-06	TRPV2 is crucial for muscle satellite cell proliferation and hypertrophic response to mechanical loading.	Yanzhu Chen	Department Of Cardiovascular Physiology, Graduate School Of Medicine, Dentistry And Pharmaceutical Sciences, Okayama
ST11-10	Morphological Analysis of the Ligament of Treitz: Relationship with the Superior Mesenteric Artery Plexus	Yuzuki Sugiyama	Department Of Clinical Anatomy, Institute Of Science Tokyo
ST11-15	Activation of the neural pathway from the hypothalamus to the medullary raphe causes stress-induced defecation	Natsufu Yuki	Laboratory Of Physiology, Joint Graduate School Of Veterinary Sciences, Gifu University
ST11-16	Central regulation of colorectal motility and pain modulation systems are altered synchronously: Study using a rat model of inflammatory pain	Tomoya Sawamura	Department Of Basic Veterinary Science, Laboratory Of Physiology, Joint Graduate School Of Veterinary Sciences, Gifu University, Japan
ST12-04	Effects of pharyngolaryngeal injury on chemical-induced swallowing reflex in rats	Naoyuki Mitarai	Division Of Physiology, Kyushu Dental University
ST12-05	Elucidation of relationship between the EP4 receptor and IL-6 in oral cancer cells	Wakana Fukae	Cardiovascular Research Institute (Cvri), Yokohama City University Graduate School Of Medicine
ST12-07	Ninjinyoeito and Juzen-taiho-to Inhibit Migration of Myeloid-Derived Suppressor Cell into Tumor Tissue	Shun Kitagawara	Laboratory Of Applied Pharmacology, Faculty Of Pharmaceutical Sciences, Tokyo University Of Science
ST12-08	The Role of TRPM4 activation in Epac-induced Arrhythmogenesis	Jiehui Cang	Department Of Physiology, School Of Medicine, Fukuoka University
ST12-13	6-shogaol a Component of Ginger, Significantly Ameliorated Pressure Overload-induced Systolic Dysfunction through the inhibition of p300 Histone Acetyltransferase Activity	Yuto Kawase	Division Of Molecular Medicine, Graduate School Of Integrated Pharmaceutical And Nutritional Sciences, University Of Shizuoka
ST12-14	In cerebrovascular endothelial cells, moderate Piezo1 activation promotes cell proliferation and angiogenesis, but excessive activation impairs tight junctions	Yu Iida	Cardiovascular Research Institute (Cvri), Yokohama City University Graduate School Of Medicine
ST12-15	Supersulfide-producing enzyme CARS2 contributes to myocardial ischemic stress resistance	Xiaokang Tang	Department Of Physiological Sciences, The Graduate University For Advanced Studies (Sokendai)
ST13-05	2,5-Dimethylcelecoxib attenuates pulmonary fibrosis by suppressing the fibroblast-myofibroblast transformation	Toshiki Morimoto	Department Of Respiratory Medicine, School Of Medicine, University Of Occupational And Environmental Health
ST13-07	Renal Protective Mechanism against Acute Kidney Injury by Vagus Nerve Stimulation	Yuri Miyazaki	Department Of Physiology Of Visceral Function And Body Fluid, Graduate School Of Biomedical Sciences, Nagasaki University
ST13-08	Deletion of VEGFR1 signaling attenuates renal fibrosis by suppressing macrophage accumulation	Takuya Yamazaki	Department Of Molecular Pharmacology, Kitasato University Graduate School Of Medical Sciences
ST13-09	Renal Sympathetic Stimulation Suppresses Septic Acute Kidney Injury via Tubular β2-Adrenergic Receptors	Kotaro Shimoyama	Department Of Physiology Of Visceral Function And Body Fluid, Graduate School Of Biomedical Sciences, Nagasaki University
ST13-10	Regional difference in the role of TMEM16A expressed in PDGFRα+ cells in generating spontaneous phasic contractions of the mouse epididymis	Wataru Kudo	Department Of Cell Physiology, Nagoya City University Graduate School Of Medicine
ST13-16	Analyses in Skeletal Muscle Regeneration Process and Macrophage Dynamics Induced by Heat Stress After Crush Injury	Erika Terada	Grad. Sch., Kobe Univ.

ST13-17	Involvement of the μ-opioid receptor in the estrogen-induced enhancement of intake of highly palatable sucrose solution	Natsumi Kosugi	Graduate School Of Humanities And Sciences, Nara Women'S University
ST14-04	Effect of Cannabidiol on Circadian Clock Rhythm in PER2::LUCIFERASE Mouse Embryonic Fibroblast	Hsiaohsieh Wang	School Of Advanced Science And Engineering, Waseda University
ST14-05	The Role of Glucocorticoid Rhythm in the Circadian Rhythm Regulatory System	Ayano Watanabe	Iiis Tsukuba Univ.
ST14-07	Analyses of a novel REM sleep regulatory mechanism that depends on feeding conditions	Hibiki Okamura	Iiis, Univ. Of Tsukuba
ST14-11	Enriched environment attenuates chronic unpredictable mild stress-induced depression-like behaviors and suppression of synaptic formation of newborn neurons by changing microglial phenotypes	Masaya Hasegawa	Dept. Regulatory Sci., Grad. Sch. Med Sci., Fujita Health Univ.
ST14-15	HSP90 promotes tumor associated macrophage differentiation during triple-negative breast cancer progression	Lingjia Hong	Keio University
ST15-02	Pharmacological inhibition of BMI1 activates the p53 pathway and exerts antitumour effects on MYCN-amplified neuroblastoma	Masahiro Hirayama	Department Of Pathobiology, Graduate School Of Pharmaceutical Sciences, Nagoya City University
ST15-04	Novel potent orally active peptides that improve cognitive decline depending on the gut-brain communication in mice	Mone Ando	Division Of Food Science And Biotechnology, Graduate School Of Agriculture, Kyoto University
ST15-06	A Method for Creating a Virtual Reality Application for Cognitive Function Assessment Using Generative AI	Eisuke Chatani	Kyoto University Of Advanced Science
ST15-10	A novel chemical probe elucidates the mechanism of AMPA receptor insertion into dendritic spines during synaptic plasticity	Kyohei Soga	Nagoya University
ST15-16	Investigation of Lipid Mediators Involved in Pain Symptoms in an Osteoarthritis Model of Rats	Shinya Takenouchi	Department Of Animal Radiology, Graduate School Of Agricultural And Life Sciences, The University Of Tokyo
ST16-02	Three-dimensional consecutive observation of interrelationship between microglial phagocytosis and actin polymerization	Maki Shibata	Toyohashi Univ. Of Tech
ST16-04	Age effect on the duality of CB2 receptor inflammatory regulation	Haruka Hosoki	Advanced Science And Engineering, Waseda University
ST16-05	IL-31 regulates neuronal function, not immune function, in mite antigen-induced asthma mouse model	Takayoshi Miyamoto	School Of Veterinary Medicine, Azabu University.
ST16-07	Humanin promotes exocytosis through SNAP-25 phosphorylation	Miki Tanahashi	Sophia University
ST16-08	Preventive Effects of Psoraleae Semen Extracts on Cognitive Dysfunction in Alzheimer's disease Model mice	Genki Hiramatsu	Department Of Applied Pharmacology, Graduate School Of Medicine And Pharmaceutical Sciences, University Of Toyama
ST16-15	Functional crosstalks between Piezo1-TRPV1/TRPA1 channels via intracellular arachidonic acid cascade in odontoblasts	Ryuya Kurashima	Tokyo Dental College, Department Of Physiology