

Monday, September 28 - Wednesday, September 30

Venue: Conference Room 406 (Sept. 29-30)

Lobby, Convention Hall 300 (Sept. 28-30)

Student Presentations

In this session, students of overseas partner universities and the University of Tsukuba give oral/poster presentations. This “Student Presentations” meeting has been held annually to advance research activities and facilitate international exchanges. Topics include medical science and life science.

Session Organizers: Shoko Saito, Hiroshi Hasegawa, Mamiko Sakata,
Tadachika Koganezawa, Seiya Mizuno, and Yasuhiro Shinkai

Oral Presentations (Sept. 29, 9:00-17:00, Conference Room 406)

9:00-9:05	Opening Remarks	Mitsuyasu Kato, University of Tsukuba
Part One	Chairs: Masanori Sakaguchi, Yasuhiro Ishiga, Tran Thi Nhu Mai University of Tsukuba	
O-1 9:05-9:17	Eszter Toth Single-cell nanobiopsy, a novel platform for the multiplexed analysis of dendritic and axonal mRNA compartmentalization	HBP, University of Tsukuba
O-2 9:17-9:29	Kana Morohashi A high-throughput screening to discover inhibitors for insect steroidogenic enzyme, Noppera-bo	University of Tsukuba
O-3 9:29-9:41	Eisuke Imura Identification and characterization of novel neurons projecting to the steroid hormone biosynthesis organ in <i>Drosophila</i>	University of Tsukuba
O-4 9:41-9:53	Naoki Toya <i>In vivo</i> Ad-luc analyses of Leptin gene expression	University of Tsukuba
O-5 9:53-10:05	Takuya Kikuchi Intestinal CREB3L3 prevents diet-induced hypercholesterolemia	HBP, University of Tsukuba
O-6 10:05-10:17	Wei-Min Chen Sphingosine 1-phosphate potentiated endothelial cell attachment on de-cellularized human umbilical vein as a scaffold for vascular tissue	National Taiwan University
O-7 10:17-10:29	Ruoshi Li The effect of sleep deprivation on the generalization of traumatic memories	University of Tsukuba
10:29-10:45	Coffee Break	
Part Two	Chairs: Koichiro Kako, Rie Wakimizu, Kouta Nizuma University of Tsukuba	
O-8 10:45-10:57	Jesavel A Iguchi RNA methylation stimulates recapping of messenger RNA in <i>Trypanosoma brucei</i>	University of Tsukuba
O-9 10:57-11:09	Yuri Ushijima A new role of nucleoid dynamics in <i>Staphylococcus aureus</i>	University of Tsukuba

O-10 11:09-11:21	Emi Miwa The relationship between the genotypes and stroma formation of <i>Epichloë</i> fungus inhabiting <i>Brachypodium sylvaticum</i>	University of Tsukuba
O-11 11:21-11:33	Keiko Yamaguchi The requisite support regarded by medical professions for children with inherited metabolic disease and their families: a literature review	University of Tsukuba
O-12 11:33-11:45	Xerxes Seposo Temporal acclimation in temperature-mortality relationship using Excess Heat Factor (EHF)	University of Tsukuba
O-13 11:45-11:57	Carolyn Kemunto Prevalence of anemia in infants 3-6 months in relation to breastfeeding practices: A case of Mama Lucy Kibaki Hospital, Nairobi-Kenya	University of Tsukuba
11:57-13:30	Lunch Break	
Part Three	Chairs: Yuji Funakoshi, Zheng Ling, University of Tsukuba	
O-14 13:30-13:42	Fang Yu SUMO-modification of CDK9 as a general mechanism for SUMO-mediated transcriptional repression	East China Normal University
O-15 13:42-13:54	Wei-Chung Yu Emerging roles for human topoisomerase III alpha in tumorigenesis suppression via transcription regulation	National Taiwan University
O-16 13:54-14:06	Dhouha Daassi Functions of large Maf family transcription factors in Macrophages	HBP, University of Tsukuba
O-17 14:06-14:18	Yuji Fuse The heme-Bach1 axis determines the tissue specificity of the Nrf2-dependent heme oxygenase 1 induction	University of Tsukuba
O-18 14:18-14:30	Luong Cong Nho Interaction of 9,10-Phenanthraquinone-produced reactive oxygen species with thioredoxin at a redox-active Cys32 and Cys35	University of Tsukuba
14:30-14:45	Coffee Break	
Part Four	Chairs: Ryusuke Niwa, Yu Ishikawa, University of Tsukuba	
O-19 14:45-14:57	Meng-Tsz Tsai The small GTPase Arf6 regulates the HGF-dependent cell proliferation through PIP ₂ -producing enzyme PIP5K α in HepG2 cells	University of Tsukuba
O-20 14:57-15:09	Ngo Thai Bich Van Phospholipase D2 is a key molecule to suppress tumorigenesis through activation of CD8 ⁺ T lymphocytes	University of Tsukuba
O-21 15:09-15:21	Tomokazu Kimura GPNMB impacts to invasive properties of bladder cancer	University of Tsukuba
O-22 15:21-15:33	Shoko Nishizawa <i>BCL6</i> methylation in human peripheral T-cell lymphoma	University of Tsukuba
O-23 15:33-15:45	Seth Amin Figueroa A spatial cell lineage model for healthy and diseased epithelial tissues	University of California, Irvine
15:45-16:00	Coffee Break	

Part Five	Chairs: Michito Hamada, Taito Miyachi, University of Tsukuba	
O-24 16:00-16:12	Jorge Toledo Structural dynamics of the endoplasmic reticulum mediated by cytoskeleton modifies luminal protein transport	University of Chile
O-25 16:12-16:24	Mitsuaki Kashiwagi Identification of a novel neuronal group that regulates REM-NREM sleep switching	University of Tsukuba
O-26 16:24-16:36	Takato Honda Systematic behavioral screening of <i>sleepy</i> and <i>dreamless</i> , newly identified mouse pedigrees with sleep abnormalities	HBP, University of Tsukuba
O-27 16:36-16:48	Daiki Nakatsuka GABAergic neurons in the pontomedullary tegmentum control sleep and wakefulness	University of Tsukuba
O-28 16:48-17:00	Brice de la Crompe Optogenetic mapping of network dynamic in basal ganglia	University of Bordeaux
2 min talk for Poster Presentations (Sept. 30, 9:00-10:35, Conference Room 406)		
P-1 9:00-9:02	Han-Siou Jian Investigate on the involvement of DNA topoisomerases in immunoglobulin class switch recombination	National Taiwan University
P-2 9:02-9:04	Chi-Hsin Chen Identifying urinary metabolic changes with vanadium and Polycyclic aromatic hydrocarbons exposures using mass-spectrometry-based metabolomics	National Taiwan University
P-3 9:04-9:06	Amily Fang-ju Jou Electrochemical Genosensors Based on Toehold-mediated Strand Displacement Reaction-triggered Signal Amplification Cascade for Single Nucleotide Polymorphism Genotyping	National Taiwan University
P-4 9:06-9:08	Hsiao-Han Chiu The role of TopB and RecQ in the regulation of R-loop formation	National Taiwan University
P-5 9:08-9:10	Jou-yi Lee To Adjust Heading Time of Broccoli by Marker Assisted Selection	National Taiwan University
P-6 9:10-9:12	Jui-Chung Chiang The Roles of LPA Receptors During Erythropoiesis/Megakaryopoiesis in mice	National Taiwan University
P-7 9:12-9:14	Yu-Ya Liang Characterization of the late blight resistant gene <i>qPh2.1</i> in the wild tomato accession L3708 (<i>Solanum pimpinellifolium</i> L.)	National Taiwan University
P-8 9:14-9:16	Hao-Ping Wang Effects of pesticide residues on natural enemies (<i>Mallada basalis</i> and <i>Eocanthecona furcellata</i>) in strawberry garden	National Taiwan University
P-9 9:16-9:18	Aya Takemura A part of Agr-deficient 'stealth' <i>Staphylococcus aureus</i> can regain its virulence during phagocytosis	HBP, University of Tsukuba
P-10 9:18-9:20	Moeko Minakuchi Prp18, a pre-mRNA processing factor 18, promotes influenza virus RNA synthesis through NP chaperone activity	University of Tsukuba

P-11 9:20-9:22	Yohei Yamauchi The Arf6-specific GTPase-activating protein ARAP3 regulates breast cancer cell invasion	University of Tsukuba
P-12 9:22-9:24	Yuki Tsunakawa MafB expressed in Osteoclast Precursors regulates osteoclastogenesis through M-CSF signaling	HBP, University of Tsukuba
P-13 9:24-9:26	K.M.G.M.K.K.Kulathunga Novel imaging technique for atherosclerosis	HBP, University of Tsukuba
P-14 9:26-9:28	Yunshin Jung Gene analysis of “Liver-Insulin Producing Cells” using MIP-GFP mouse	HBP, University of Tsukuba
P-15 9:28-9:30	Miki Shimbo Both chondroitin sulfate <i>N</i> -acetylgalactosaminyltransferase-1 and -2 are necessary for endochondral ossification	University of Tsukuba
P-16 9:30-9:32	Keigo Asano MafB deficiency impairs the apoptotic cell clearance of macrophages	University of Tsukuba
P-17 9:32-9:34	Tomoki Sakasai Establishment and application of ROSA26 Halo-iRFP flox Mice and non-invasive fluorescence imaging of disease-model mice	University of Tsukuba
P-18 9:34-9:36	Kosuke Kawamura Establishment of an analysis system utilizing protein degradation and near infrared fluorescent proteins	University of Tsukuba
P-19 9:36-9:38	Chen Chen Roles of GPNMB in breast cancer stem cells	University of Tsukuba
9:38-9:50	Coffee Break	
P-20 9:50-9:52	Christina-Sylvia Andrea Histone demethylase LSD1 is important for the endodermal organ development in zebrafish	University of Tsukuba
P-21 9:52-9:54	Yoshikazu Hoshino Simple generation of hairless mice by the CRISPR/Cas9 system	University of Tsukuba
P-22 9:54-9:56	Yuki Hirose Hypnotic and teratogenic effects of thalidomide can be dissociated	University of Tsukuba
P-23 9:56-9:58	Hiromu Tominaga A novel, small-molecule orexin type 2 receptor agonist improves narcoleptic symptoms in orexin-null mice	University of Tsukuba
P-24 9:58-10:00	Toshiya Yonezawa Orexin B exerts an indirect, slow inhibitory action on noradrenergic neurons in the locus coeruleus	University of Tsukuba
P-25 10:00-10:02	Ryo Ishii Two-photon calcium imaging of the cerebral cortex in naturally sleeping and awake mice	University of Tsukuba
P-26 10:02-10:04	Manami Kikuchi The role of Elovl6 in bone and cartilage	University of Tsukuba

P-27 10:04-10:06	Hui Zhao Deletion of Elov16 protects against the onset and progression of type 2 diabetes in <i>db/db</i> mice	University of Tsukuba
P-28 10:06-10:08	Fusaka Oikawa The role of CREBH in the small intestine	University of Tsukuba
P-29 10:08-10:10	Koichiro Maie Hereditary thrombocytosis with a germline mutation in the kinase domain of <i>JAK</i>	University of Tsukuba
P-30 10:10-10:12	Tatsuhiko Sakamoto Notch signaling pathway of nestin-expressing cells in bone marrow	University of Tsukuba
P-31 10:12-10:14	Quang Le Ceramide/Ceramide-1-phosphate balance and the cisplatin-induced apoptosis of cochlear hair cells	University of Tsukuba
P-32 10:14-10:16	Tomomi Okajima Molecular basis of microglial properties regulated by culture condition	University of Tsukuba
P-33 10:16-10:18	Tomotsune Ameku Neuroendocrine control of mating-induced female germline stem cell proliferation in the fruit fly <i>Drosophila melanogaster</i>	University of Tsukuba
P-34 10:18-10:20	Chikana Yamamoto Glutathione biosynthesis is essential for larval development in the fruit fly <i>Drosophila melanogaster</i>	University of Tsukuba
P-35 10:20-10:22	Hitomi Takemata The effect of the parasitic wasp <i>Asobara japonica</i> on the development of its host, the fruit fly <i>Drosophila melanogaster</i>	University of Tsukuba
P-36 10:22-10:24	Drauna Adi Miriama Naioba Drauna Risk factor analysis of diabetes in Fiji; a comparison of the findings from the WHO STEPS survey in 2002 and 2011	University of Tsukuba
P-37 10:24-10:26	Noriko Ozawa Impact on the mother of the preparation to children receiving proton therapy	University of Tsukuba
P-38 10:26-10:28	Daichi Araki Analysis of center-of-gravity variation on bed for fall prediction	University of Tsukuba
P-39 10:28-10:30	Chisato Yamazaki Changes in Nursing Practice by Using Cognitive Behavioral Therapy	University of Tsukuba
P-40 10:30-10:32	Tzu-Lun Tseng The putative roles of matrix metalloproteinases during anterior regeneration in <i>Aeolosoma viride</i>	National Taiwan University
P-41 10:32-10:34	Yu-Hsiang Lin Bio-inspired claw-wheel transformable robotics	National Taiwan University
Poster Exhibitions (Sept. 28-30, Lobby, Convention Hall 300)		
Discussion time (Sep 30, 10:50-12:00)		
Awards Ceremony (Sept. 30, 13:00-13:30, Conference Room 406)		
Closing Remarks		Prof. Akira Shibuya