

2025

Tsukuba Conference 2025 [session C-10]

Frontiers of Medical & Life Sciences ~International Student Presentations of Medical and Life Sciences~

Program

Date: October 2 (Thu) and 3 (Fri), 2025

Venue: Tsukuba International Congress Center, Room 405/406

URL: https://tsukuba-conference.com/sessions/c-10-01

Co-organized by Institute of Medicine, Doctoral Program in Medical Sciences, PhD Program in Human Biology, PhD Program in Humanics and Master's/Doctoral Programs in Neuroscience. **With assistances by** Master's Program in Medical Science, Nursing Science, Biology, and Doctoral Program in Human Care Science / Public Health, TARA, IIIS.

9:30 - 10:00	Poster set up
10:00 - 10:10	Opening Remarks / Prof. Takeshi Sakurai

Oral session 1		·	Chair: Patricia Rika Ariani & Toshiki Obokata
*	01-1	Targeted deletion of cystathionine γ development	-lyase impairs endogenous H ₂ S production required for zebrafish
10.10) - 10:25	OLIANILI	University of Tsukuba
10.10	J - 10.25	QUANLI	Master's program in Medical Science
*	01-2	The Relationship Between the Circa	dian Rhythms of Body Temperature and Locomotor Activity
10.05	5 - 10:40	Ryusuke Yoshimoto	University of Tsukuba
10.25	0 - 10.40		PhD Program in Humanics
*	01-3	Exploring Regorafenib-Induced Ferroptosis Using Hepatocellular Carcinoma Cells	
10.40) - 10:55	Chia-Chen Hsieh	National Taiwan University
10.40) - 10.55	Chia-Chen Asien	Department of Biochemical Science & Technology
*	01-4	Mesenchymal stem cell-derived ext respiratory viral proteins	racellular vesicles reduce cellular inflammatory responses to
10.55	5 - 11:10	Nani Anggraani	University of Tsukuba
10.55) - 11.10	Neni Anggraeni	Doctoral program in Medical Science

Oral session 2			Chair: Yan Xu & Allona Eunice Apache Florece
*	02-1	Impact of aging on therapeutic po protecting skin against UVA irradi	otential of mesenchymal stem cell-derived extracellular vesicles in ation
11.10	- 11:25	Ngo Nhat Hoang	University of Tsukuba
11.10	1-11.25	Ngo Milat Hoalig	PhD Program in Human Biology
*	02-2	Q Neuron-Induced Hypothermia P After Brain Injury	romotes Functional Recovery and Suppresses Neuroinflammation
11.25	i - 11:40	Lisa Sakurai	University of Tsukuba
11.23	1-11.40		Master's program in Medical Science
*	02-3	Refining Acute Toxicity Endpoints	: Behavioral Indicators of Moribund State in Zebrafish (Danio rerio)
11.40	- 11:55	Sui Aiyi	University of Tsukuba
11.40	1-11.55	Sul Alyi	Doctoral program in Medical Science

11:55 - 13:00	Lunch Break		
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\bigstar ... Award candidates

ral session 3			Chair: QUANLI & Neni Anggra
*	03-1	Contribution of the Puf5-mediated print yeast Saccharomyces cerevisiae.	post-transcriptional regulation to the replication stress response
10.00	10.15	Marana Cata	University of Tsukuba
13:00) - 13:15	Megumi Sato	Doctoral program in Medical Science
*	03-2	In Vivo Neuronal Activity Study of S Using Gradient-Index Lenses	uprachiasmatic Nucleus Neurons Under Varying Light Intensitie
10.11	5 - 13:30	Wana Ohana Han	National Taiwan University
13:13	5 - 13:30	Wang Cheng-Han	Doctoral program in Life Science Innovation
*	03-3	Extracellular Vesicles Derived from Mesenchymal Stem Cells Impairs the Ability of Breast Cancer Cells in Regulating the Polarization of M2 Macrophage	
10.00	12.45	Patricia Rika Ariani	University of Tsukuba
13:30) - 13:45		Doctoral program in Medical Science
*	03-4	Nrf2 activation induced by genetic or pharmacological lysosomal dysfunction	
10.45	5 - 14:00	Toshiki Obokata	University of Tsukuba
13.43	5 - 14.00		PhD Program in Human Biology
*	03-5	Roles of Ventrolateral Periaqueduct	al Gray in inducing Cataplexy in Mice
14.00) - 14:15	DAI OIONGJU	University of Tsukuba
14.00	J - 14.15	DAI QIONGJO	Doctoral program in Medical Science
*	03-6	Antibacterial properties of the huma protective effects at the cellular and	an adipose mesenchymal stem cells-derived secretome and its d tissue levels
1 4.1 5	14.20	Adeline Castro Ramos	University of Tsukuba
14:15	5 - 14:30		Doctoral program in Medical Science

14:30 - 15:30	Poster Session 1

Oral session 4			Chair: Ngo Nhat Hoang & Megumi Sato
*	04-1	Role of CD300a in Ischemic Enteritis	
15:20	0 - 15:45	Poo Duy Tron Duo	University of Tsukuba
15.5	J - 15.45	Bao Duy Tran Duc	PhD Program in Human Biology
*	04-2	The Role of Inhibitory Immunoreceptor C	D300a in Renal Fibrosis
15.4	5 - 16:00	LI JINAO	University of Tsukuba
15.4	5 - 10.00	El SINAO	Doctoral program in Medical Science
*	04-3	Development of a bioinformatics tool for	engineering exon skipping with Base Editor
16:0	0 - 16:15	Kinari Matsumoto	University of Tsukuba
10.00	0 - 10.15		PhD Program in Human Biology
*	04-4	Function of Dopamine Receptor D2-Expressing Neurons in the Central Nucleus of Amygdala in Sleep/Wake Regulation	
16:1	5 - 16:30	Allona Eunice Apache Florece	University of Tsukuba
10.1	5 - 10.50		PhD Program in Human Biology
*	04-5	The influence of work-family conflict on omega months old infants	depressive tendency among Japanese fathers with 3-4
16:2	0 - 16:45	Eri Usami	University of Tsukuba
10.3	0 - 10.43		Doctoral program in Nursing Science
★ 04-6 The role of immune-inhibitory receptor in pulmonary fibrosis		pulmonary fibrosis	
16.4	5 - 17:00	Yan Xu	University of Tsukuba
10.4	3 - 17.00		Doctoral program in Medical Science

17:00 -	Group photo
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Oral session 5			Chair: Megane Kayamare & MD AL AMIN SHEIKH
★ Online	05-1	CANNABIDIOL REDUCES BLOOD PRESSURE AND IMPROVES AORTIC STIFFNESS IN AN EXPERIMENTAL MODEL OF RENOVASCULAR HYPERTENSION	
10.00	- 10:15	Devenalla Tiagiana Camaa Da Cilva	Federal University of Paraíba, Brazil
10.00	- 10.15	Rayanelle Tissiane Gomes Da Silva	Postgraduate Program in Physiological Sciences
★ Online	05-2	Controlling all and everything: The role of prescular dysfunction	orotein O-GlcNAcylation (O-GlcNAc) in aldosterone-induced
10.15	- 10:30	Daniel Rodrigues	University of São Paulo
10.15	- 10.30		Department of Pharmacology
★ Online	05-3	Estradiol replacement and central injection of losartan on water and 0.3 M NaCl intake induced by water deprivation in female rats with renovascular hypertension and ovariectomy	
10.20	- 10:45	Sarah Antunes da Silva	UNESP (Brazil)
10.30	- 10.43		PhD program in Physiology

10:45 - 11:00	Tea Break
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Oral session 6			Chair: Meng Zezhen & Dinh Xuan Tuan Anh
	06-1	(Withdrawal)	
*	06-2	Development of Supine-Used	Wearable Cyborg for Treatment of Neurogenic Bowel Dysfunction
11.00	- 11:15	Hayata Tamai	University of Tsukuba
11.00	- 11.15	Hayato Tamai	PhD Program in Humanics
*	06-3	Mechanistic Analysis of Plurip	ootency Acquisition by Using Paused iPSCs
11.15	- 11:30	HANG ZIME	University of Tsukuba
11.15	- 11.30	JIANG ZIWEI	Doctoral program in Medical Science
*	06-4	Circuit mechanism encoding h	nigh sleep need
11:20	- 11:45	Kuikui Fan	University of Tsukuba
11.50	- 11.43	Nuinui Faii	PhD Program in Humanics

11:45 - 13:00	Lunch Break
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Oral session 7			Chair: JIANG ZIWEI & Kuikui Far
*	07-1	Role of ELOVL6 in hepatocellular carci	noma
12.0	0 - 13:15	HE JIAQI	University of Tsukuba
13.0	0 - 13.15		Doctoral program in Medical Science
*	07-2	Splicing Factor DHX8 Is Essential for R-Loop Homeostasis	
13:1	5 - 13:30	Yun Chen	National Taiwan University/ Institute of Molecular and Cellular Biology
			Doctoral program in Biology
*	★ 07-3 Molecular functions of E2f4 on iPS cell generation		II generation
12.2	0 - 13:45	Meng Zezhen	University of Tsukuba
13.3	0 - 13.43		Doctoral program in Medical Science
★ 07-4		Comprehensive Single-Cell Glycomic and Transcriptomic Profiling in Pancreatic Cancer	
12.4	5 - 14:00	Dinh Xuan Tuan Anh	University of Tsukuba
13.4	5 - 14.00		PhD Program in Human Biology
★ 07-5 Investigating neural mechanism underlying weight gain in Sleepy mouse		lying weight gain in Sleepy mouse	
14.0	0 - 14:15	Megane Kayamare	University of Tsukuba
14.0	0 - 14.15		PhD Program in Humanics
*	Synchrotron Imaging and Transcriptomics Reveal 3D Remodeling and Molecular Pathogenesis Aortic Dissection in Fbn1^G234D/G234D^ Novel Mutant Mice		
1.4.1	5 - 14:30	MD AL AMIN SHEIKH	University of Tsukuba
14.1	J - 14.3U		PhD Program in Humanics

14:30 - 15:30 Poster Session 2

Oral session 8			Chair: Salina Neupane & HE JIAQI
★ Online	08-1	Microbiome-derived Short Chain Fatty Acids Promote Motivation of Mate Searching via A Gut-to-Brain Signaling through Octopamine in C. elegans Males	
15:30 -	1 5 - 4 5	翁甄濰 / Jen-Wei Weng	National Taiwan University
15.30 -	15.45		Institute of Molecular and Cellular Biology
★ Online	08-2	Sensory Integration Across Development Drives Behavioral Sensitization in Male C. elegans	
15.45	16.00	Yu-Chen Lin	National Taiwan University
15:45 -	16.00		Institute of Molecular and Cellular Biology, Master's program
- Online	08-3	Mechanical anchoring of SYG-1/Neph1	and SAX-3/Robo directs neurite branching in C. elegans
16:00 -	16.15	Yun-Hsien Lin	National Taiwan University
10.00 -	10.15		Doctoral program in Neuroscience
- Online	08-4	Identification of Sensory Cues that Evo Caenorhabditis elegans	ke Contact Response in Mating Behaviors of Male
16:15 -	16:20	Jaye Wang 王婕	National Taiwan University
10.15	10.30		Master's program in Molecular and Cellular Biology
-	08-5	Investigation of the Role of Transcription Factor Otp in Stress Response in the Zebrafish	
16:30 -	16.15	HOU-JUN WANG	University of TAIWAN
16.30 -	10.45		Doctoral program in Biology

16:45 - 17:00	Awards Ceremony & Closing Remarks / Prof. Kazuya Morikawa	
	Group photo	
17:00 - 17:30	Poster Removal	

^{*}Any posters left behind after 5:30 PM will be disposed of.

*	P-1		ehensive Social Interaction and Ikigai Among Japanese ss-Lagged Panel Model Analysis		
		Community-Dwelling Older Adults: A Cross-Lagged Panel Model Analysis University of Tsukuba			
		Yu Pei	Doctoral program in Medical Science		
		Investigation of the relationship between I	<u> </u>		
*	P-3	Investigation of the relationship between N-glycosylation and methylation modifications of secret proteins in hepatocytes			
			University of Tsukuba		
		Ryuhei Tsukamoto	Master's program in Agro-Bioresources Science and Technology		
*	P-5	Analysis of antioxidant activity of broccoli sprout extract in zebrafish			
		Mahama ahi Hamala	University of Tsukuba		
		Kobayasshi Honoka	undergraduate program in Biology		
*	P-7	Exploring lactic acid bacteria components	with indirect antioxidant effects in zebrafish		
		Kan Natha	University of Tsukuba		
		Ken Naito	Master's program in Medical Science		
*	P-9	Disruption of pancreatic β cell glucose ser	nsitivity in mice lacking core 1-derived 0-glycans		
		V MIDAKANI	University of Tsukuba		
		Yuka MURAKAMI	PhD Program in Human Biology		
*	P-11	Elucidation of the role of a C-type lectin re	ceptor CLEC12B in the therapeutic target for skin allergy		
			University of Tsukuba		
		Kim Taehyeong	Doctoral program in Medical Science		
*	P-13	The relationship between empathic behavior toward conspecifics in distress and the stress responsive system in rats			
		41 01:1	University of Tsukuba		
		Akane Chiba	Master's program in Neuroscience		
*	P-15	Roles of the central noradrenergic system	in social motivation in briefly isolated rats		
		Matsumoto Yuga	University of Tsukuba		
			Master's program in Neuroscience		
*	P-17	Benzodiazepines reduce REM sleep via the	e ventral tegmental area in mice		
		Alciha Ozavia	University of Tsukuba		
		Akiho Osawa	Master's program in Medical Science		
*	P-19	Type-2 Diabetes Mellitus Induced Endothe	elial Dysfunction via Elevated Reactive Oxygen Species		
		Precella Silvia	University of Tsukuba		
		Precend Silvid	Master's program in Medical Science		
*	P-21	Studying the role of type 2 diabetic mesen	chymal stem cell in gastric cancer		
		Somi Park	University of Tsukuba		
		Somi Park	Master's program in Medical Science		
*	P-23	Studying the role of adipocytes in the prog	gression of breast cancer		
		Momoko Usuda	University of Tsukuba		
			Master's program in Medical Science		
*	P-25	KOzoo: automation tool for designing kno	ckouts using CRISPR-Cas9		
		Toite Taki	University of Tsukuba		
		Taito Taki	PhD Program in Human Biology		

★ Award cand	didates		
*	P-27	Roles of Ccr4-Not, Pan2-Pan3 Deadenylase Complexes, and Adr1 Transcription Factor in Budding Yeast Metabolism	
		T N T	University of Tsukuba
		Tuan-Ngan Tang	PhD Program in Human Biology
*	P-29	Septin-Mediated de novo Membrane Forma Learning	ation Revealed by Quantitative Analysis using Deep
		Chadai Taguahi	University of Tsukuba
		Shodai Taguchi	PhD Program in Humanics
*	P-31	Functional analysis of a novel RNA-binding protein essential for mouse spermatogenesis	
		A alsi Madalia	University of Tsukuba
		Aoki Madoka	PhD Program in Human Biology
*	P-33	Functional investigation of a novel essential gene in mouse embryonic development.	
		Name Tage III	University of Tsukuba
		Nguyen Tam Ho	Master's program in Medical Science
*	P-35	Sleep: The Brain Charging Station for Daily Learning	
			University of Tsukuba
		Nadin Mohamed Ebrahim Elgzzar	PhD Program in Humanics
*	P-37	Splicing Factor DHX8 Is Essential for R-Loop Homeostasis	
		Yun Chen	National Taiwan University/ Institute of Molecular and Cellular Biology
		Tuli Olicii	Doctoral program in Biology
-	P-39	Investigation of the Role of Transcription Factor Otp in Stress Response in the Zebrafish	
			University of TAIWAN
		HOU-JUN WANG	Doctoral program in Biology
-	P-41	Establishment of a novel method for generatechnology	ating ultra multiple gene KO mouse using base editing
		Mizuki Nishimura	University of Tsukuba
			Master's program in Medical Science
-	P-43	Optimization of BioID Conditions for Revealing the Cardiac RBP Interactome.	
		Saki Nagai	University of Tsukuba
			Master's program in Medical Science
-	P-45	Development of in vivo base editing method	d
			University of Tsukuba
		Momoka Masuda	Master's program in Medical Science
-	P-47	Elucidation of the Regulatory Mechanism o	of Translation Under ER Stress Mediated by RNA-Binding
			University of Tsukuba
	Miyabi Endo	Miyabi Endo	PhD Program in Human Biology
-	P-49	RNA-binding protein Whi3 regulates G2/M	cyclin expression in Saccharomyces cerevisiae
			University of Tsukuba
		Varsha Rana	PhD Program in Human Biology

★ Award cand	idates			
*	P-2	Involvement of language-related areas in voluntary control of respiration in non-human primates		
		Akua Kamata	University of Tsukuba	
		Akud Kalilata	Master's program in Neuroscience	
*	P-4	The role of hypothalamus in thermoregulation and response inhibition in non-human primates		
		Suzu Nakanishi	University of Tsukuba	
		Suzu Nakanishi	Master's program in Medical Science	
*	P-6	Motivation affects respiration control and	enhances the performance of voluntary motor movement	
		Haruna Miwa	University of Tsukuba	
			Master's program in Neuroscience	
*	P-8	Multi-site Recording of Neural Activity Underlying Cardiorespiratory Coupling		
		Rio Notomo	University of Tsukuba	
			Master's program in Medical Science	
*	P-10	The functional roles of hydrogen sulfide in the nucleus tractus solitarius in autonomic reflexes		
		Chikako KOTANI	University of Tsukuba	
		onmano no man	Master's program in Medical Science	
*	P-12	Exploring the Role of NIND Gene Expression in Sleep-Wake Regulation Mechanism		
		Song Wanrong	University of Tsukuba	
		Cong Humong	Master's program in Medical Science	
*	P-14	Solving the Mystery of Liquid-Liquid Phase Separation (LLPS) in Peripheral Blood Mononuclear Cells (PBMCs) by Sleep		
		Ziruo Chen	University of Tsukuba	
			Master's program in Medical Science	
*	P-16	Positive allosteric modulator of adenosine A2A receptors (A2AR PAM) ameliorates pentylenetetrazol (PTZ)-induced generalized seizures		
		Yakut Asude Bilge	University of Tsukuba	
			PhD Program in Humanics	
*	P-18	Dissecting the Mechanism of Translational and Post-translational Regulation of Fibrillin-1 in Connective Tissue Disorder Marfan Syndrome		
		Narenmandula	University of Tsukuba	
		Nareminandala	Doctoral program in Medical Science	
*	P-20	Uncovering the Influence of cGAS on Periva	ascular Macrophages during Development	
		Subaru Ueda	University of Tsukuba	
			Master's program in Biology	
*	P-22	The effect of increased b2m expression in	•	
		Keisuke Yoshida	University of Tsukuba	
			Undergraduate Program of Biology	
*	P-24	Neuroanatomical Localization of the Inflan Autism Spectrum Disorder	nmatory Cytokine Receptor IL-17RA and Its Implication in	
		Itagaki Kentaro	University of Tsukuba	
			Undergraduate Program in Medical Sciences	

★ Award cand	P-26	(Withdrawal)	
	D 00	raiDNA wasfiing in wains induced into a hiberra	alian lilan nama
*	P-28	miRNA profiling in mice induced into a hiberna	
		Kareem Hassan	University of Tsukuba
			Master's program in Medical Science
*	P-30	Elucidation of physiological defects in familial	
		Gauthamadasage D Nimali Gunathilaka	University of Tsukuba
			Master's program in Medical Science
*	P-32	In Vivo Neuronal Activity Study of Suprachiasmatic Nucleus Neurons Under Varying Light Intensities Using Gradient-Index Lenses	
		Wang Cheng-Han	National Taiwan University
		Wang Cheng-Han	Doctoral program in Life Science Innovation
*	P-34	Exploring Regorafenib-Induced Ferroptosis Us	ing Hepatocellular Carcinoma Cells
		Chia-Chen Hsieh	National Taiwan University
		Gilla-Gilett i islett	Department of Biochemical Science & Technology
*	P-36	IL-17RA/RC as a Neuroimmune Interface in Co	ortical Maturation and Autism Pathophysiology
		Asumi Kubo	University of Tsukuba
		ASullii Kubo	Master's program in Medical Science
-	P-38	Higher-Level Functional Capacity and Risk of Incident Functional Disability in Older Adults: An Age-Stratified Competing Risks Analysis	
		OLANIACIUNO	University of Tsukuba
		QIAN MEILING	Doctoral program in Medical Science
-	P-40	From Interaction to Intervention: Exploring Typologies of Older Adults to Inform Community Health Strategies	
		ZHANG Zhizhen	University of Tsukuba
			Doctoral program in Medical Science
-	P-42	Comprehensive care for infants and toddlers in the community Temporary care in an infant care center and approach from foster parents	
			University of Tsukuba
		Takami INOTANI	Doctoral program in Medical Science
-	P-44	Stressor felt by mothers in the Neonatal Intens	sive Care Unit
		A49 11 A1 19	University of Tsukuba
		Mitsuki Nojima	Doctoral program in Nursing Science
-	P-46	Literature review of the experiences of adolese	cents whose siblings have been hospitalized
		Marian Kanat	University of Tsukuba
		Marise Kasai	Master's program in Nursing Science
-	P-48	Subcutaneous cancer model in immunocompostudies	romised pig as a potential model for human cancer
		Isa Mahendra	University of Tsukuba
			Doctoral program in Medical Science
*	P-50	Effect of Artepillin C and its derivatives in mice	e
		•	University of Tsukuba
		Salina Neupane	PhD Program in Humanics