

The 8th IMCR Symposium on Endocrine and Metabolism:

Beyond the Frontiers of Endocrinology & Metabolism

Program & Abstracts

Date: November 10th (Thu) - 11th (Fri), 2022

Place: Tojo Hall, Gunma University (Showa Campus)

To be held in hybrid format (ZOOM)

November 10th (Thursday)				
13:00 - 13:10	Opening Remarks			
	Minoru Hanaya			
	(Executive Director of Research and Planning, Vice President, Gunma University)			
Session 1	Chair: Tadahiro Kit	amura		
13:10 - 13:40	Iron is crucial for determining cell fate via epigenetic rewriting			
	Takeshi Inagaki (Gunma University)	(p.1)		
13:40 - 14:10	An orally administered FoxO1/Notch inhibitor to induce			
	conversion of enteroendocrine cells into beta-like-cells			
	Takumi Kitamoto (Chiba University)	(p.3)		
14:10 - 14:35	An Antisense Transcript Transcribed from Irs2 Locus Contributes			
	to the Pathogenesis of Hepatic Steatosis in Insulin Resistance			
	Maya Matsushita (The National Center for Global Health and Medicine)	(p.5)		
14:35 - 14:50	Coffee Break			
Session 2	Chair: Nobuo	Sasaki		
14:50 - 15:20	The role of Elovl6 in the regulation of lipid quality and			
	pathophysiological significance in diabetes			
	Takashi Matsuzaka (University of Tsukuba)	(p.7)		
15:20 - 15:50	Metabolomics and disease research: Discovery of biomarkers for			
	chronic kidney disease			
	Akiyoshi Hirayama (Keio University)	(p.9)		
Session 3	Chair: Miyuk	ki Sato		
15:50 - 16:20	Optical control of cell signaling with red/far-red light-responsive			
	optogenetic tools in <i>Caenorhabditis elegans</i>			
	Kazuhiro Aoki (National Institute for Basic Biology)	(p.11)		
16:20 - 16:45	Epitranscriptional control of AgRP neurons contributes to neuronal			
	function and energy homeostasis			
	Daisuke Kohno (Gunma University)	(p.13)		
16:45 - 17:00	Coffee Break			
Session 4	Chair: Jun Shire	akawa		
17:00 - 17:40	Pax4 loss of function alters human endocrine cell development			
	and influences diabetes risk			
	Adrian Teo (Agency for Science, Technology and Research, Singapore)	(p.15)		
Session 5 / Special Lecture Chair: Yoshio Fujitani				
17:40 - 18:30	Elucidation of the pathogenesis of autoimmune disease: from serolo	gy		
	toward molecular biology			
	Mitsuru Matsumoto (Tokushima University)	(p.17)		

November 11th (l	Friday)	
Session 6	Chair: To	akashi Nishimura
9:00 - 9:25	TANGO1 as an organizer of ER exit sites	
	Miharu Maeda (Akita University)	(p.19)
9:25 - 9:55	Investigation of the mechanisms underlying resistance to	
	carcinogenesis and aging in the longest-lived rodent, the	naked mole-rat
	Kyoko Miura (Kumamoto University)	(p.21)
9:55 - 10:25	Erebosis, a new cell death mechanism during homeostatic	
	turnover of gut enterocytes	
	Sa Kan Yoo (RIKEN)	(p.23)
10:25 - 10:35	Coffee Break	
Session 7	Cho	air: Tetsuro Izumi
10:35 - 11:15	Berberine is an insulin secretagogue targeting the KCNH6	potassium
	channel	
	Jin-Kui Yang (Capital Medical University, China)	(p.25)
11:15 - 11:20	Closing Remarks	
	Ken Sato	
	(Director of IMCR, Gunma University)	

Workshop / Poster Session

11:20 - 12:20 (p.27)





Chair: Izuho Hatada

Instruction to Chairs and Presenters

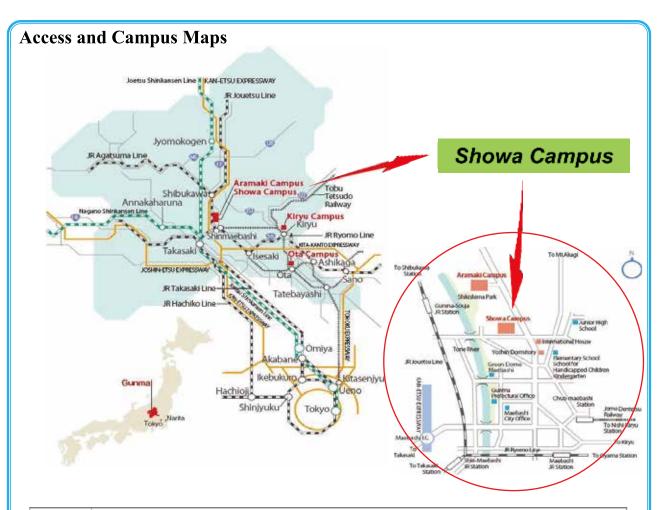
Arrival

Please come to the "Time keeper's desk" at the left-front of the room and let the staff know by 15 minutes before the starting time.

Process and Timing

Chairs are expected to ensure that all presentations start and finish punctually as scheduled. Time allocation for each presentation is as follows. Staff will assist with timing by bell signal.

Total	Presentation	Discussion	1 ring	2 rings	3 rings
25 min.	20 min.	5 min.	3 min. left to the end of presentatin	End of presentation	End of discussion
30 min.	25 min.	5 min.	3 min. left to the end of presentatin	End of presentation	End of discussion
40 min.	35 min.	5 min.	3 min. left to the end of presentatin	End of presentation	End of discussion
50 min. Special Lecture	40 min.	10 min.	3 min. left to the end of presentatin	End of presentation	End of discussion



By JR	Take the Joetsu Sinkansen Line train to Takasaki. From there about 30 min by taxi. Alternatively, change at Takasaki to the Ryomo Line and go to Maebashi Station. From Maebashi station about 4 km in the north direction. About 15 min by bus or 10 min by taxi. Or take the Joetsu Line train at Takasaki station to Shin-Maebashi station. From there north 5 km about 10 min by taxi.
By car	Take the Kan-Etsu Tollway to Maebashi Interchange. From there about 15 min on the ordinary road.

Showa Campus Layout

3-39-15, Showa-machi, Maebashi, Gunma, 371-8512, JAPAN



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