Program (Day 1) - September 18 Thu.

12:45-13:00	(15min)	Opening Remarks and Welcome Address		Atsushi Yoshiki
13:00-13:40	(40min)	Plenary Lecture 1 (Presentation: 35min, Q&A: 5min)	Chair:	Je Kyung Seong Atsushi Yoshiki
	PL-1	**Yann HERAULT** (IGBMC/CNRS/IMPC, France) The International Mouse Phenotyping Consortium for the understanding of genes and diseases: Advancing Mouse Genetics Through Global Collaboration		
13:40-14:20	(40min)	Plenary Lecture 2 (Presentation: 35min, Q&A: 5min)	Chair:	Masaru Tamura
	PL-2	**Yasuhiro MURAKAWA** (ASHBi, Kyoto Univ., Japan) Charting novel disease-linked enhancers in mammals: Cross-species discovery and technology development		
14:20-14:40	(20min)	Future Proposal (Presentation: 15min, Q&A: 5min)	Chair:	Takanori Amano
	FP-1	**Naoki KUBO** (RIKEN BRC, Japan) The IMPC next targets: exploration of non-coding sequences as functional units in the mouse genome		
14:40-15:00	(20min)	Taking Group Photo and Coffee Break		
15:00-17:00	(120min)	Research Topics Session (15 min x 8) (Presentation: 12min, Q&A: 3min)	Chair:	Ki-Hoan Nam Naoki Kubo Akihiko Sakashita
	OS-1	RIKEN BRC		Akihiko Sakashita
	OS-2	KRIBB		Seul Gi Park
	OS-3	Korea University College of Medicine		Hyunji Lee
	OS-4	National Center for Biomodels, NIAR		Si-Tse Jiang
	OS-5	GemPharmatech		Xiang Gao
	OS-6	RIKEN BRC		Tamio Furuse
	OS-7	University of Tsukuba		Taki Taito
	OS-8	National Center for Biomodels, NIAR		Yu-Ying Mei
17:00-17:10	(10min)	10 mins break and move to Posters		
17:10-18:40	(90min)	Poster Session (20 Posters) & Networking		
		Best Poster Award decided by participant voting		
18:40-19:00	(20min)	20 mins break and move to Banquet		
19:00-21:00	(120min)	Welcome Banquet & Best Poster Award Announcement Venue: Captain's Grill and Bar at Kawasaki King Skyfront Tokyu REI Hotel (5F)		

Program (Day 2) - September 19 Fri.

8:50-9:05	(15min)	AI-powered Behavioral Analysis Session (Presentation: 15min, Q&A: 5min)	Chair: Tamio Furuse
	FP-2	**Hiroshi MASUYA** (RIKEN BRC, Japan) AI Model Development for Daily Mouse Behaviors in RIKEN AGIS Project	
9:05-9:40	(35min)	Plenary Lecture 3 (Presentation: 35min, Q&A: 5min)	Chair: Hiroshi Masuya
	PL-3	**Jingyi YU** (ShanghaiTech Univ., China) Emerging AI Techniques for Animal Behavior Analysis	(Pre-recorded video)
9:40-9:55	(15min)	Coffee Break and Morning Announcement	
9:55-12:25	(150min)	Resource Infrastructure Session (15 min x 10) (Presentation: 12min, Q&A: 3min)	Chair: Leo Wang Toru Takeo Shinya Ayabe
	OS-18	KMPC	Je Kyung Seong
	OS-10	KRIBB	Ki-Hoan Nam
	OS-11	Seoul National University	Kyoungmi Kim
	OS-9	Phenomics Facility Australia (Pre-recorded video)	Michael Dobbie
	OS-12	National Center for Biomodels, NIAR	Hsian-Jean Chin
	OS-13	NRCMM	Xiang Gao
	OS-14	CARD Kumamoto University	Toru Takeo
	OS-15	University of Tsukuba	Seiya Mizuno
	OS-16	Kyoto University	Masahide Asano
	OS-17	RIKEN BRC	Shinya Ayabe
12:25-12:45	(20min)	Closing Remarks and Taking Group Photo	Masaru Tamura
12:45-13:30	(45min)	Lunch (for Lab Tour Participants)	
13:30-15:30	(120min)	Lab Tours (Optional)	
		Shimadzu Tokyo Innovation Plaza (STIP) Central Institute for Experimental Medicine (CIEM)	

Poster Session Day 1 - September 18 Thu. 17:10-18:40 (90min)

Posters	
PS-1	**Ying-Ying Wu** (National Center for Biomodels, NIAR) Synthesis of 5'-methoxyuridine-modified mRNA with a 5' cap-1 and a longer poly (A) tail
PS-2	**Yu-Shan Yeh** (National Center for Biomodels, NIAR) Establishing transgenic mice with hepatocyte-specific expression of Cre recombinase
PS-3	**Xiang Gao** (GemPharmatech) Unveiling FAD3T: A Groundbreaking Transgenic Mouse Model for Accelerating Alzheimer's Disease Research
PS-4	**Yuya Sakimoto** (Institute for Developmental Research, Aichi Developmental Disability Center) Behavioral assessment of infant development in MAP2K1 model mice
PS-5	**Reiri Koga** (Center for Animal Resources and Development, Kumamoto University) Effect of ultrasuperovulation treatment on the efficiency of developing humanized mouse models
PS-6	**Satohiro Nakao** (Center for Animal Resources and Development, Kumamoto University) Recent advancement of CARD reproductive engineering techniques for rodents
PS-7	**Seiya Mizuno** (Laboratory Animal Resource Center, University of Tsukuba) Practical and Realistic Results of genetically modified mice generation by zygote genome editing with CRISPR-Cas9
PS-8	**Akihiro Kuno** (Laboratory Animal Resource Center, University of Tsukuba) TSUMUGI: A Web Tool for Uncovering Phenotype-Associated Gene Modules Using IMPC Knockout Mouse Data
PS-9	**Kinari Matsumoto** (Ph.D Program in Human Biology, University of Tsukuba) AltEx-BE: A bioinformatic tool to automate sgRNA design for artificial splicing engineering
PS-10	**Taito Taki** (Ph.D Program in Human Biology, University of Tsukuba) KOzoo: an automation tool for designing knockouts in various animals using CRISPR-Cas9 from IMPC strategy
PS-11	**Ho Tam Nguyen** (Master's Program in Medical Science, University of Tsukuba) Functional investigation of a novel essential gene in mouse embryonic development
PS-12	**Hung Duong Lac** (Ph.D Program in Human Biology, University of Tsukuba) Formulation of an innovative base editing strategy enables multi-gene knockout mouse production
PS-13	**Mao Urasaki** (Laboratory of Animal Nutrition, Tokyo University of Agriculture) Development of *Mocos* -deficient rat as a model of xanthinuria type II
PS-14	**Masahide Asano** (Institute of Laboratory Animals, Kyoto University) Activities of the 5th term of NBRP-Rat in Japan
PS-15	**Shinya Ayabe** (Experimental Animal Division, RIKEN BRC) Expansion and Value-Addition of Mouse Resources by RIKEN BRC/NBRP
PS-16	**Nanda Yuli Rahmawati** (Experimental Animal Division, RIKEN BRC) Refined and Minimally Invasive Mouse Model for Endometriosis Using Luminescent Donor and Hairless Recipient Mice
PS-17	**Takanori Amano** (Next Generation Human Disease Model Research Team, RIKEN BRC) Strain-Specific Gene Expression Modulated by Structural Variants in Mouse Peritoneal Macrophages
PS-18	**Keisuke Sato** (Experimental Animal Division, RIKEN BRC) Microbial Quality Improvement of Mouse Resources: Achievements and Challenges in Japan
PS-19	**Hirotoshi Shibuya** (Mouse Phenomics Division, RIKEN BRC) Development of the novel contrast-enhanced CT imaging methods
PS-20	**Michiko Hirose** (Integrative Developmental Engineering Division, RIKEN BRC) Establishment of embryonic stem cells from wild-derived strains of mice