

GENERAL INFORMATION

- Date** July 24(Wed) - 27(Sat), 2024
- Venue** ICC JEJU, Jeju Island, Korea
- Organizer** Korean Association for Laboratory Animal Science (KALAS)
- Sponsor** TBA

Event

Date	Event	Time	Room
July 24 (Wed)	Council Meeting	11:30-13:00	Meeting Room
	Board Meeting	18:00-19:00	Meeting Room
July 25 (Thu)	Opening Ceremony	09:40-10:00	Halla Hall A
	Plenary Lecture 1	10:00-11:00	Halla Hall A, B
	Luncheon 1-3	13:00-13:20	Halla Hall A, B Samda Hall
	General Meeting & Welcome Reception	17:00-19:00	Tamna Hall (5F)
July 26 (Fri)	Plenary Lecture 2	11:00-12:00	Halla Hall A, B
	Luncheon 4-6	12:10-12:30	Halla Hall A, B Samda Hall
	Giveaway & Closing Ceremony	15:50-16:20	Halla Hall A
July 27 (Sat)	Roundtable Meeting	09:30-11:10	Halla Hall A

Important Dates

Registration: 04.29 (Mon) – 06.14 (Fri)
 Abstract Submission Due: 04.29 (Mon) – 06.14 (Fri)

Registration Fees

Classification		Early Bird (~2024.6.14)		On-site (2024.7.24~26)	
Member	Student	Registration fee	2024 Annual fee	Registration fee	2024 Annual fee
		₩100,000	₩120,000	₩150,000	₩170,000
	General	Registration fee	2024 Annual fee	Registration fee	2024 Annual fee
		₩200,000	₩230,000	₩250,000	₩280,000
	Council	Registration fee	2024 Annual fee	Registration fee	2024 Annual fee
		₩200,000	₩250,000	₩250,000	₩300,000
Non-member	Student	₩120,000		₩170,000	
	General	₩300,000		₩350,000	
International Member		₩200,000		₩200,000	
Exhibitor		₩80,000		₩100,000	

Hotel Reservation

Please refer to our website (www.kalas.or.kr)

Korean Association for Laboratory Animal Science (KALAS)

Tel. +82-2-364-1909 Fax. +82-2-584-1909
 E-mail. kalas@kalas.or.kr www.kalas.or.kr

www.kalas.or.kr

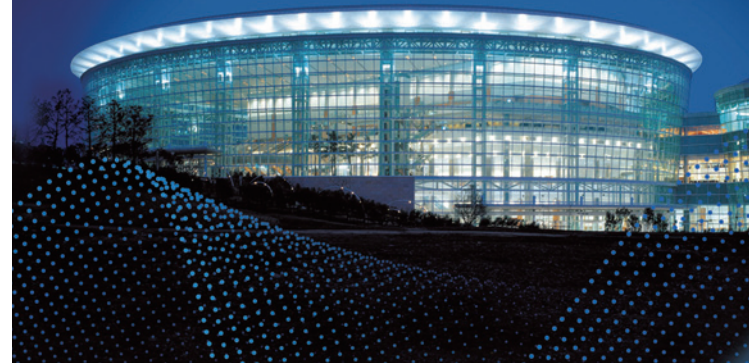
2024 KALAS

International Symposium

JULY 24 | WED | - 27 | SAT |
 ICC JEJU, Jeju Island, KOREA

IMPACT

Innovative Models for Predictive And Comparative Translational research



한국실험동물학회

INVITATION

Dear KALAS members,

It is our great pleasure to warmly invite you to the **2024 KALAS International Symposium**, entitled with 'IMPACT (Innovative Models for Predictive And Comparative Translational research)' at Jeju International Convention Center (Jeju ICC) in Jeju island from July 24 (Wed) to 27 (Sat) in 2024.

The International Symposium is composed with 2 plenary lectures: 'The current insights into Alzheimer's disease research and advancements in therapeutic development' (Prof. Jesús Ruberte Paris, Autonomous University of Barcelona) and 'Insights from rodent models for understanding Diabetic Retinopathy' (Prof. Inhee Mook, Seoul Natl. Univ.), and 16 program sessions including Brain development and disease models, Vision and hearing defect models, Laboratory rodent health monitoring, Humanized animal models, Xenotransplantation in nonhuman primate models, Gastrointestinal disease models, Metabolic disease therapy, Stem cell and organoid, IACUC, Research ethics, KALAS educational sessions, etc.

The symposium will be supported by several institutions, agencies and organizations including KOFST, NIFDS, JCVB, KIT, KMPC, etc. and I would like to thank all those concerned in this symposium.

We hope that all participants will enjoy this KALAS international symposium that give an opportunity to broaden your academic knowledge, and carry back with you fond memories from Jeju island. Once again, I sincerely appreciate for those who support and contribute to this international symposium.

Je Kyung Seong
 President, KALAS

JULY 24 (WED)

Symposium 1 14:00-15:40 / Halla Hall A / ENG

Zebrafish animal model to study in vivo mechanisms of disease

Uncovering the secrets of tissue regeneration: From gene discovery to elucidating the mechanisms
Jun Su Kang (Wisconsin Univ.)

Zebrafish model to study muscle development and regeneration
Seong Kyu Choe (Wonkwang Univ.)

Application of zebrafish model to study peripheral nervous system disorders
Ji Eun Lee (Sungkyunkwan Univ.)

Neurotoxic effects of β -citronellol via KYN to 3-HK metabolic activation
Su Hyun Kim (Korea Univ.)

Symposium 2 (IACUC) 14:00-15:40 / Halla Hall B / ENG

Post-experiment management of laboratory animals for 3R

Considerations for End-Experimental Animals
Ji Min Lee (Seoul Natl. Univ.)

Sharing and Utilization of Animal Biological Resources
So Young Yune (Ministry of Food and Drug Safety)

Laboratory animal rehoming
Jae-Hun Ahn (Seoul Natl. Univ. Hospital)

Sharing and Utilization of the Surplus of Experimental Animals
Seung Hyeok Seok (Seoul Natl. Univ.)

AAALAC International 14:00-15:40 / Samda Hall / ENG

Part 1: One-point Lesson to Achieve AAALAC International Accreditation

Overview and Update of AAALAC International Accreditation Program
Montip Gettayacamin (AAALAC International)

Step 1: Preparing the Program Description and Site Visit
Young-Shin Joo (The Catholic University of Korea)

Step 2: Expectation of the Post Site visit communication and Council Deliberations
Seung Hyeok Seok (Seoul Natl. Univ.)

Symposium 3 16:00-17:40 / Halla Hall A / KOR

Unraveling Immune Networks: Insights from Animal Models

TBA
Ju Won Park (University of Hawai'i at Mānoa)

Regulation of macrophage activation in cardiovascular diseases
Sung Ho Park (UNIST)

Transgenic mouse models: Invaluable tools for humoral immunity
Youn Soo Choi (Seoul Natl. Univ.)

Microglial inflammasome-dependent regulation of blood-brain barrier integrity
Je Wook Yu (Yonsei Univ.)

Symposium 4 (KLAT Education 1 With KIT) 16:00-17:40 / Halla Hall B / KOR

Anatomy and practical Methods for Animal Testing I

Assessment of Rodent Respiratory Toxicity and Respiratory Function
Se Ran Yang (Kangwon Natl. Univ.)

Experimental technique in gastrointestinal research using rodents
Jong Hwang Park (Chonnam Natl. Univ.)

Assessment of brain and nervous system function
Jae Ho Shin (Eulji University)

Characteristics and Key Research Methods of the Hematopoietic System
Yi Rang Na (Seoul Natl. Univ. Hospital)

AAALAC International 16:00-17:40 / Samda Hall / ENG

Part 2: Our Journey Balancing the Animal Welfare and Good Science by Voluntary Accreditation

Program Management
Hae-Jin Yoon (Korea Institute of Toxicology)

Personnel and Research Management
Jungmin Lee (Samsung Medical Center)

Internal Oversight of the Animal Care and Use Program
Ji Yeon Hwang (Seoul National University Bundang Hospital)

Overall Veterinary Care Provision and Communication
Young-Shin Joo (The Catholic University of Korea)

Functional Physical Plant
Jeong Hee Park (Korean Animal Technology (KOATECH))

JULY 25 (THU)

Plenary Lecture 1 10:00-11:00 / Halla Hall A, B / ENG

Insights from rodent models for understanding Diabetic Retinopathy
Jesús Ruberte (Autonomous University of Barcelona)

Symposium 5 11:00-12:40 / Halla Hall A / ENG

Frontiers in Metabolic Regulation: Paving the Way for Therapeutic Insights in Metabolic Diseases and Beyond

Elucidating adipocytes functions through development
Joan Sanchez-Gurmaches (Cincinnati Children's Hospital)

Role of CRT2 in metabolic disorders
Seung Hoi Koo (Korea Univ.)

Targeting Immunometabolic Functions of Adipose Tissue Macrophages: Therapeutic Perspectives from Animal Model Studies
Yun Hee Lee (Seoul Natl. Univ.)

Fibrotic Niche-enriched Single-Cell Transcriptomics Uncovers Novel Age-Associated Cell Type in Liver
ChunA Kim (KRIBB)

Symposium 6 11:00-12:40 / Halla Hall B / KOR

TBA

Symposium 7 11:00-12:40 / Samda Hall / KOR

Utility of the Minipigs as Laboratory Animals

Development of wound healing agents using minipigs
Sokho Kim (Kunsan National University)

The use of miniature swine for preclinical modeling in cardiovascular research
Se-Il Park (Yonsei Univ.)

Dermal Toxicity and Efficacy Study using Yucatan Minipig
Jeong Ho Hwang (Korea Institute of Toxicology)

Pharmacokinetic and vaccine research model of miniature pig based on DPF condition
Hyunil Kim (Optipharm Inc.)

Academy Award Presentation 14:00-14:40 / Halla Hall A

Symposium 8 14:50-16:30 / Halla Hall A / ENG

Modeling Human Brain Development and Diseases

Modeling Neurodevelopmental Disorders Using Human Pluripotent Stem Cells
Hyunsoo Shawn Je (Duke-NUS Medical School)

Epitranscriptomic regulations in neurodevelopment and neurodegeneration
Ki Jun Yoon (KAIST)

Human spinal cord organoids as a model system for human neurodevelopment and disease
Ju Hyun Lee (KIST)

Decoding immune-microbiome-brain axis in a neurodevelopmental disorder mouse model
Eun Ha Kim (Korea Univ.)

Symposium 9 14:50-16:30 / Halla Hall B / ENG

Recent Trends in Stem Cell & Organoid Research

Hair follicle stem cell and tissue regeneration
Han Seul Yang (KAIST)

Organoid Modelling of Human Fetal Lung Development
Kyung Tae Lim (Korea Univ.)

Biomaterials and devices for advanced organoid engineering
Seung Woo Cho (Yonsei Univ.)

Salivary Gland Organoids for Investigating the Etiology of Xerostomia
Hyung Sik Kim (Pusan Natl. Univ.)

Symposium 10 14:50-16:30 / Samda Hall / KOR

Exploring Sensory Impairments: In Vivo Studies on Animal Models with Vision and Hearing Defects

Establishing Patient-mimicking Mutant Mice for the Development of Gene Editing Therapy
Young Hoon Sung (Ulsan Natl. Univ.)

Therapeutic Application on Angiogenesis-related Ocular Diseases
Seok Jae Lee (Seoul Natl. Univ. Hospital)

Allele-specific antisense oligonucleotide ameliorates KCNQ4-related autosomal dominant hearing loss
Seung Hyun Jang (Yonsei Univ.)

In Vivo Base Editing in Humanized Mice Mimicking Patients with Retinoschisis
Dong Hyun Jo (Seoul Natl. Univ.)

JULY 26 (FRI)

Symposium 11 09:00-10:40 / Halla Hall A / ENG

Revolution of laboratory rodent health monitoring

Health Monitoring of Laboratory Rodent Colonies—Talking about (R)evolution
Byeong Cheol Kang (Seoul Natl. Univ.)

Prevalence of Parvovirus in rodent. – How can we deal with Chappavovirus in SPF rodent?
Yang Kyu Choi (Konkuk Univ.)

Strategy for Multiplex Real-Time PCR kit development
Ki Taek Nam (Yonsei Univ.)

Symposium 12 09:00-10:40 / Halla Hall B / ENG

Cell-Gen Immunotherapy using Humanized Animal Models

In vivo and in vitro studies for evaluation of tumorigenicity of cell therapy product
Yoji Sato (National Institute of Health Sciences)

Development of CD19 CAR-NK therapy targeting pericytes in the tumor microenvironment using a glioblastoma-blood vessel assemblويد xenograft model
Kyung Sun Kang (Seoul Natl. Univ.)

Assessing the Impact of CRISPR/Cas9 based ex vivo HSC Gene Therapy: Insights from Rhesus Macaque Competitive Repopulation Model
Byung Chul Lee (Sookmyung Women's Univ.)

Engraftment of human immune system in the most commonly used immunodeficient mouse model:Utilization for cell and gene therapy
Sang Nyun Kim (Orient Genia)

Regenerative approaches for off-the-shelf hypoinmunogenic stem cells
Da Hyun Kim (Sung Shin Women's Univ.)

Symposium 13 (KMPC 1) 09:00-10:40 / Samda Hall / KOR

Liver diseases in animal models

TBA
Mi-Ock Lee (Seoul Natl. Univ.)

TBA
Won-Il Jeong (KAIST)

TBA
Jun-Won Yun (Seoul Natl. Univ.)

TBA
Kyoung-Jin Oh (KRIBB)

Plenary Lecture 2 11:00-12:00 / Halla Hall A, B / ENG

The current insights into Alzheimer's disease research and advancements in therapeutic development
Inhee Mook (Seoul Natl. Univ.)

Symposium 14 14:00-15:50 / Halla Hall A / ENG

Immunosuppressive treatment and immune monitoring protocol for the preclinical NHP study of xeno solid organ transplantation

Immunosuppressive treatment protocol for the xeno solid organ transplantation of NHP preclinical model in China
Hidetaka Hara (Yunnan Agricultural Univ.)

TBA
Eiji Kobayashi (The Jikei University School of Medicine)

Immunosuppressive treatment protocol for the xeno solid organ transplantation of NHP preclinical model in Korea
Jae Seok Yang (Yonsei Univ. Sevrance Hospital)

Monitoring examinations after the xeno solid organ transplantation of NHP preclinical model in Korea
Eun Jee Oh (Catholic Univ. Seoul St. Mary's Hospital)

Symposium 15 (KLAT Education 2) 14:00-15:30 / Halla Hall B / KOR

Anatomy and practical Methods for Animal Testing II

Anatomy and practical Methods for Laboratory animal eyes
Won Tae Kim (KEYPRIME RESEARCH)

Normal anatomy and evaluation methods of bone
Jin Seok Kang (Namseoul Univ.)

Mouse models for liver cancer; Anatomy, Modeling, and Histopathology
Seung-Ho Heo (Asan Medical Center)

Symposium 16 14:00-15:50 / Samda Hall / KOR

Research trends and perspectives of animal models for functional gastrointestinal disease

FD(functional dyspepsia) animal models and screening test
Chang Gue Son (Daejeon Univ.)

Effects of vagotomy on GI motility and evaluation as a model animal
Young Su Yang (Korea Institute of Toxicology)

Development of gastrointestinal disease model animals using Helicobacter pylori
Yung Choon Yoo (Konyang Univ.)

Use of human/animal-derived intestinal stem cells and their differentiated cells to mimic intestinal metabolism and physiology
Kazuya Maeda (Kitasato Univ.)

JULY 27 (SAT)

Roundtable Meeting 09:30-11:10 / Halla Hall A / KOR