

Event

Date	Event	Time	Room
Dec 14 [WED]	Opening ceremony (Seo, Kyung-won, Director General National Institute of Food and Drug Safety Evaluation)	13:00- 13:20	Halla Hall
	PL 1 3D reconstructed tissue models in toxicology: from initial idea to regulatory acceptance Dr. Helena Kandarova (ESTIV President)	13:20- 14:10	Halla Hall
	Welcome dinner (Invited guest)	18:30- 20:00	CS Hotel & Resort
Dec 15 [THU]	PL2 Development of in vitro alternative assay methods for evaluation of chemicals- mediated immunotoxicity considering comprehensive in vivotoxicities Prof. Heo Yong (Daegu Catholic Univ., Korea)	09:30- 10:20	Halla Hall
	Luceon Seminar(Amorepacific)	12:20- 14:00	Halla Hall
	PL3 High throughput screening and evaluation of chemical substances by Omics Prof. Xiaowei Zhang (Nanjing Univ., China)	14:-14:50	Halla Hall
	PL 4 Human-relevant replacement methods are ready to take the place of animal experiments Prof. M.A. Akbarsha (Autonomous, Tiruchirappalli)	17:00- 18:00	Halla Hall
	Banquet	18:00-	Ocean view (5F)
Dec 16 [FRI]	PL 5 Toward ideal prediction of human responses based on physiological in vitro systems> Japanese update Micro Physiological System (MPS) Dr. Yasuaki Sakai (Univ. of Tokyo, Former president of JSAAE)	09:30- 10:20	Halla Hall
	Closing ceremony	12:20-	Halla Hall

Overview

- Date | Dec. 14 (Wed) ~ 16(Fri), 2022
- Venue | ICC Jeju, Korea
- Organizer | Korean Society for Alternatives to Animal Experiments (KSAAE)
- Sponsor | KoCVAM, LUSH, AMOREPACIFIC, Biosolution
- 2022 ACAAE will be held in hybrid
(The link will be added on 2022.09.26(Mon))

Important Deadlines

- Registration
 - Early Bird | Jun.01(Wed) ~ Sep.16(Fri)
 - Standard | Sep.16(Fri) ~ Nov.01(Tue)
- Abstract Submission
 - Abstract/Poster submission | ~ Nov.01(Tue)

Registration Fee

Registraton	Student	General
Early Bird	KRW170,000	KRW370,000
Standard	KRW200,000	KRW400,000
Banquet	KRW30,000	

- * The registration fee is the same for online participation.
- * Hotel: Please refer to our website
"Travel Accommodation" (acaee2022.org)

Korean Society for Alternatives to Animal Experiments (KSAAE)

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THE 19th
ANNUAL MEETING OF
KSAAE

3rd ASIAN CONGRESS ALTERNATIVES TO ANIMAL EXPERIMENTS : FROM ASIA TO THE WORLD

2022
12.14._{WED} - 16._{FRI}
ICC JEJU

HYBRID

Invitation

3rd Asian Congress for Alternatives to Animal Experiments

Organized by the Korean Society for Alternatives to Animal Experiments.

The Asian Congress for Alternatives to Animal Experiments (ACAEE) 2022 is being organized by the Korea Society for Alternatives to Animal Experiments (KSAAE) with the cooperation of the Ministry of Food and Drug Safety (MFDS). The Organizing Committee is expecting registered participants from China, India, Japan, and Korea. The Asian Congress is scheduled to be held from 14th to 16th December 2022, at ICC Jeju, Korea.

The Asian Congress will be the 3rd conference of its kind for researchers from Asia and will afford an opportunity for promoting alternative methods to researchers in these places, where the concept of the Three Rs is just now achieving penetration. The Asian Congress is intended to achieve multiple missions, which will include disseminating information not just on the latest advances in including pure sciences but on practical applications of the Three Rs worldwide.

2022
Chair | Kim, Kwang-Mahn
President of KSAAE, Yonsei University

Organized by



Hosted by



Sponsor



AMOREPACIFIC Bio Solution Biosolution Co., Ltd.

1st Day (12/14)

Time	Halla Hall	Samda Hall
13:00-13:20	Opening ceremony (Room : Halla Hall)	
13:20-14:10	PL 1 3D reconstructed tissue models in toxicology: from initial idea to regulatory acceptance Dr. Helena Kandarova (ESTIV President)	
14:10-14:20	Coffee Break	
14:20-16:00	S1 3Rs	S2 Novel <i>in Vitro</i> test: Development and Application
14:20-14:45	A unique method to form spheroids with various designs Prof. Nobuhiko Kojima (Yokohama City Univ.)	Using <i>in Vitro</i> and Machine Learning Approaches to Determine Dioxin-like Potencies Among Birds for Brominated Dioxin Analogues Prof. Rui Zhang (Univ. of Jinan, China)
14:45-15:10	Human iPSC Cell-Derived Cardiomyocytes-Based Cardiac Safety Assessment of Drugs Dr. Kentaro Ishida (Miyorigo Co. Ltd)	Potential threats of nanoplastic accumulation in human-induced pluripotent stem cells Prof. Ju Hyun Park (Kangwon National Univ., Korea)
15:10-15:35	A 3Rs approach to investigate the barrier models: a 3D perfusion tubular Organ on a chip model Dr. Lisa Franziska Drew (MIMETAS inc. from the Netherland)	Development of novel <i>in vitro</i> methods using human iPSC cell technology Dr. Yasunari Kanda (National Institute of Health Science, Japan)
15:35-16:00	The Fantastic 4: Simcyp Rat, Mouse, Dog, and Monkey Simulators Dr. Devendra Pade (Certara inc.)	A robotised 1546 compound screen in a perfused 3D microfluidic angiogenesis assay Dr. Henriette Lanz (MIMETAS BV)
16:00-16:30	Coffee Break	
16:30-18:00	S3 Education session on 3Rs	S4 Oral Presentation from selected posters
16:30-16:55	Efforts against "Challenge Contest" to educate high school students Prof. Nobuhiko Kojima (Yokohama City Univ.)	Max 9 Speakers (10 min presentation) Speakers will be selected based on posters submitted
16:55-17:20	<TBA> Dr. Ichiro Miyoshi (Japanese Association for Laboratory Animal Science)	
17:20-17:45	New technology to reduce the sacrifice of experimental animals while practicing anatomy Mr. David Yoo (3D MediVision)	
17:45-18:00	Activities to increase educational opportunities for 3Rs in Japan Prof. Masaharu Akita (Kamakura Women's University)	
18:30-20:00	Welcome dinner (Invited guest) (Room : CS Hotel & resort)	

2nd Day (12/15)

Time	Halla Hall	Samda Hall
09:30-10:20	PL 2 Development of <i>in vitro</i> alternative assay methods for evaluation of chemicals-mediated immunotoxicity considering comprehensive <i>in vivo</i> toxicities Prof. Heo Yong (Daegu Catholic Univ., Korea)	
10:20-10:40	Coffee Break	
10:40-12:20	S5 Cosmetics - safety assessment of cosmetics	S6 Zebrafish as an alternative model for toxicology
10:40-11:05	Next Generation Risk Assessment to make safety decisions for cosmetic ingredients Dr. Matthew Dent (Unilever, UK)	Disease modeling of rare neurological disorders in zebrafish Prof. Cheol-Hee Kim (Chungnam National University, Korea)
11:05-11:30	Next generation Risk Assessment (NGRA) for skin sensitisation of cosmetic ingredients Dr. Woo-Hyuck Choi (LG H&H, Korea)	Use of zebrafish embryo assay in safety assessment of nanoparticles Dr. Wittaya Pimtong (Nanotec, Thailand)
11:30-11:55	Estimation of dermal permeation and systemic exposure of chemicals through the skin with alternative membrane and <i>in silico</i> model Prof. Hiroaki Todo (Josai Univ., Japan)	The use of Zebrafish teratogenicity assay in pharmaceutical companies Dr. Kanako Mori (Astellas Pharma)
11:55-12:20	Application of <i>in vitro</i> 3D Reconstructed Human Epidermis Models EpiKutis and EpiSkinTM to Predict Skin Irritation Potential on Formulations Dr. Jing Sang (Zhejiang Institute for Food and Drug Control, China)	Application and practice of zebrafish embryonic development and hepatotoxicity model in safety evaluation with mechanism exploration of traditional Chinese medicine and natural products Dr. Hongtao Jin (Chinese Academy of Medical Sciences & Peking Union Medical College)
12:20-14:00	Luceon Seminar(Amorepacific) (Room : Halla Hall)	

2nd Day (12/15)

Time	Halla Hall	Samda Hall
14:00-14:50	PL 3 High throughput screening and evaluation of chemical substances by Omics Prof. Xiaowei Zhang (Nanjing Univ., China)	
14:50-15:20	Coffee Break	
15:20-16:55	S7 Medical device safety evaluation	S8 Organ-on-a-chip as an alternative model for drug screening
15:20-15:45	Research and Development of Microphysiological Systems in Japan supported by the AMED-MPS project Prof. Seiichi Ishida (Sojo Univ., Japan)	Research and Development of Microphysiological Systems in Japan supported by the AMED-MPS project Prof. Seiichi Ishida (Sojo Univ., Japan)
15:45-16:05	Applications of reconstructed 3D tissues for pre-clinical studies of medical devices Dr. Paninee Chetprayoon (National Science and Technology Development Agency, Thailand)	Manufacturing of <i>in vitro</i> Tissue Model via 3D bioprinting and Tissue-on-chip Technology Prof. Ting Zhang (Tsinghua Univ.)
16:05-16:30	Development and evaluation of alternative methods to skin sensitization tests for medical devices Atsuko Miyazima (National Institute of Health Sciences, Japan)	Human Mini-Brains for Neurological Disorders Prof. Hansang Cho (Sung Kyun Kwan Univ., Korea)
16:30-16:55	Development of alternative test to irritation tests for medical devices Prof. Jae-Sung Kwon (Yonsei Univ., Korea)	Identification of human blood-brain barrier shuttles for brain drug delivery using organ-on-a-chip technology Prof. Tae-Eun Park (UNIST, Korea)
17:00-18:00	PL 4 Human-relevant replacement methods are ready to take the place of animal experiments Prof. M.A. Akbarsha (Autonomous, tiruchirappalli)	
18:00 -	Banquet (Room : Ocean view(5F))	

3rd Day (12/16)

Time	Halla Hall	Samda Hall
09:30-10:20	PL 5 Toward ideal prediction of human responses based on physiological <i>in vitro</i> systems Japanese update Micro Physiological System (MPS) Dr. Yasuaki Sakai (Univ. of Tokyo, Former president of JSAAE)	
10:20-10:40	Coffee Break	
10:40-12:20	S9 Omics as an alternative model; Case-studies and Perspectives	S10 Artificial intelligence as an alternative & predictive model
10:40-10:45	Introduction: AFSA Cosmetics Education and Training Program Dr. Catherine Willett (HSL)	Development, Validation, and Application of a Human Reproductive Toxicity Prediction Model Based on Adverse Outcome Pathway, Dr. Wei Shi (Jiangsu Province Ecology and Environment Protection Key Laboratory of Chemical Safety and Health Risk, China)
10:45-11:05	Consumer Exposure Dr. Ted Xing (L'Oréal)	Advanced Machine Learning in Predictive Toxicology: Explainable AI Dr. Igor Tetko (Helmholtz institute, Germany)
11:05-11:30	<i>In silico</i> tools and Read-Across Dr. Jin Lin (Unilever, China)	Pushing the boundaries of <i>in silico</i> models beyond organic molecular structure-centered chemical space Dr. Hyun-Kil Shin (KIT, Korea, Institute)
11:30-11:55	Dosimetry: Internal Exposure Dr. Yuan Gao (Procter & Gamble)	Development of <i>in silico</i> model for skin sensitization evaluation using machine learning Dr. Kaori Ambe (Nagoya City Univ., Japan)
11:55-12:20	Regulatory Landscape Dr. Jay Ingram (Delphic HSE)	
12:20-	Closing ceremony (Room : Halla Hall)	