

(사)한국독성학회

오가노이드 활용 첨단독성학 연구 국제 네트워크 구축 세미나

KSOT Network Meeting

Establishment of Asian Toxicology Networks
for Organoid-Based Next Generation Toxicological Research and
New Approach Methodologies

Date : **October 15 (Wed) ~ October 16 (Thu), 2025**

Venue : Meeting Room No.28, 2nd Floor, Hilton Beijing Capital Airport Hotel, Beijing, China



Korean Society of Toxicology

October 15 (Wednesday)	
09:30-09:50	Registration
09:50-10:00	Opening Remarks Kyung-Chul Choi (President of KSOT, Chungbuk National University, Korea)
10:00-12:00	Session 1 : Innovative Organoid Applications in Disease Modeling and NAMs Chairperson: Ki Taek Nam (Yonsei University, Korea)
	10:00-10:30 Human Organoids in Toxicological Research: Progresses and Challenges Zhengliang Gao (Shanghai University, China)
	10:30-11:00 Collaboration across Asia and Beyond - Japan's Initiatives for Industrial Implementation of MPS Seiichi Ishida (Sojo University, Japan)
	11:00-11:30 Next Generation Risk Assessment for Botanical Cosmetic Ingredients: Case Studies Using Threshold of Toxicological Concern Approach Kyung-Min Lim (Ewha Womans University, Korea)
	11:30-12:00 Discussion Moderator: Mi-Kyoung Kwak (The Catholic University of Korea, Korea)
12:00-13:30	Lunch
13:30-15:30	Session 2 : Application and Prospects of Organoid Technology and Risk Assessments in Asia Chairperson: Kyu-Bong Kim (Dankook University, Korea)
	13:30-14:00 Development of in Vitro Evaluation Model for Drug-Induced Proximal Tubular Injury Using 3D Cultured Human Proximal Tubular Epithelial Cells Hiroshi Arakawa (Nagoya City University, Japan)
	14:00-14:30 New Insights into Mechanisms of Visual Toxicity Induced by Bisphenol S Xiaona Zhang (Ocean University of China, China)
	14:30-15:00 Quantitative AOP and In Vitro BMD Modeling to Support Risk Assessment of Humidifier Disinfectants Ok-Nam Bae (Hanyang University, Korea)
	15:00-15:30 Discussion Moderator: Jongsun Park (Chungnam National University, Korea)
15:30-16:00	Small Group Meeting Moderator: Keon Wook Kang (Seoul National University, Korea)
17:00-19:00	Welcome Reception

October 16 (Thursday)	
10:00-12:00	Session 3 : Asian Toxicology Network for NAMs and Emerging Paradigms for Toxicology Research Chairperson: Donghak Kim (Konkuk University, Korea)
	10:00-10:30 Development of Liver-Heart Microphysiological System (MPS) for Cardiotoxicity Assessment Considering Hepatic Metabolism Daiju Yamazaki (National Institute of Health Sciences, Japan)
	10:30-11:00 Development and Validation of Organ-on-Chip Systems for NAMs Applications Ren-Hao Xie (Anivance AI Corporation, Taiwan)
	11:00-11:30 Opportunities and Challenges in Developing Data-Based Alternatives to Animal Testing Minsoo Noh (Seoul National University, Korea)
	11:30-12:00 Discussion Moderator: Soon-Mi Shim (Sejong University, Korea)
12:00-13:30	Closing Remarks / Lunch