(사) 한국독성학회/ 한국환경성돌연변이발암원학회

2023 제39차 정기학술대회

The 39th Annual Meeting of KSOT/KEMS

Toxicological Sciences for Sustainable Environment

지속가능한 환경을 위한 독성 과학

Oct. 30 (Mon)~ Nov. 1 (Wed), 2023

- Venue : International Convention Center Jeju, Korea

Chairperson: Doyoung Kwon (Jeju National University)

October 30, 2023 (Monday)			October 31, 2023 (Tuesday)			
12:00-13:00	Council Meeting Registration			09:00-09:40 Halla Hall 09:40-11:10	Plenary Lecture II Chairperson: Hyung-Sik Kim (Sungkyunkwan University) Planting the Seeds for Prevention of Environmental Carcinogenesis: Lessons from Field Studies in China Thomas W. Kensler (Fred Hutchinson Cancer Research Center, USA)	
12:00 13:20-13:40 Halla Hall	Registration Welcome Remarks Young-Jin Chun (President of KSOT, Chung-Ang University) Youn-joo Park (Director General, National Institute of Food and Drug Safety Evaluation) Jang Seong Kim (President of Korea Research Institute of Bioscience and Biotechnolog)		09:40			
					Session 5 :Halla HallRegulartory Application of Alternative Test	Session 6 :Samda HallThe Current and Future of Inhalation
13:40-14:20 Halla Hall	Plenary Lecture I	Chairperson: Tae Cheon Jeong (Yeungnam University			Method Sponsored by NIFDS, KoCVAM	Toxicity Research and GLP Study Sponsored by KOSHA Chairperson: Yong Joo Park (Kyungsung University)
	The Role of Biotransformation in Toxicology: Still a F. Peter Guengerich (Vanderbilt University, USA)	an Important Issue			Chairperson: Yoonsook Lee (National Institute of Food and Drug Safety Evaluation) 09:40-09:55	-09:40-10:05
	Session 1: Halla Hall The Toxicity of Microplastics Chairperson: Soon-Mi Shim (Sejong University)	Session 2 :Samda HallmicroRNA & Xenobiotic ToxicologyChairperson: Byung-Sun Choi (Chung-Ang University)			KoCVAM and Regulartory Application of Alternative Test Method NamHee Kang (National Institute of Food and Drug	Inhalation Toxicity Study and GLP in Korea Jung-Taek Kwon (National Institute of Environmental Research)
	14:20-14:50 The Marine Ecotoxicological Assessment of Microplastics from an Environmentally Relevant Point of View June-Woo Park (Korea Institute of Toxicology)	14:20-14:45 microRNA as a Regulator of Human Drug Metabolizing Enzyme Masataka Nakano (Kanazawa University, Japan)			Safety Evaluation) 09:55-10:20 Standardization of Organ-on-a-chip for Safety Tests Sungho Ko (CHA University)	10:05-10:25 Inhalation Toxicity Study of Silver Nitrate Doin Jeon (Korea Environment Corporation)
	14:50-15:20 Toxicological Assessment and Biodistribution of Various Orally Exposed Microplastics KilSoo Kim (KMEDI Hub, Kyungpook National	14:45-15:10 microRNAs as Biomarkers for Drug-induced Liver Injury Shingo Oda (ONO Pharmaceutical, Co., Ltd., Japan)			10:20-10:45 Development of Respiratory Toxicity Testing Using an In Vitro Microphysiological Systetm Ha Ryong Kim (Korea University)	10:25-10:45 Inhalation Toxicity Study of 2-Methylfuran Yong-Soon Kim (Occupational Safety & Health Research Institute)
	University) 15:20-15:50 Towards Sustainable Removal of Microplastics and Nanoplastics from Environmental and Food	15:10-15:30 tRNA-derived Small RNA Regulates mRNA Translation and Can Be a Novel Target for Cancer Treatment Hak Kyun Kim (Chung-Ang University)			10:45-11:10 Study to Propose 'Alternative Test Method Using KeraSkin [™] for Evaluation of Skin Irritation Potential of Medical Devices' to ISO Joohwan Kim (National Institute of Food and Drug	10:45-11:10 Development of Inhalation Toxicity Evaluation Technology Using Animal Disease Models Min-Seok Kim (Korea Institute of Toxicology)

	and Nanoplastics from Environmental and Food Matrices	Hak Kyun Kim (Chung-Ang University)		Joohwan Kim (National Institute of Food and Drug Safety Evaluation)	Whit-Seok Khill (Kolea Institute of Toxicology)	
	Guoqing Wang (Ocean University of China, China)	15:30-15:50 Prediction of Mucosal Exposome-associated Human Distress Yuseok Moon (Pusan National University)	11:10-11:30 11:30-12:10 Halla Hall	Coffee Break		
				Plenary lecture III Chairperson: Kyung-Chul Choi (Chungbuk National University		
15:50-16:20	Coffee Break / Poster Session			Manganese-induced Neurotoxicity: From <i>C. elegans</i> to Humans Michael Aschner (President of SOT, Albert Einstein College of Medicine, USA)		
16:20-17:50	Session 3 : Halla Hall Session 4 : Future Innovative Technologies Safety and Toxicity of Chemie Sponsored by NIFDS Chairperson: BeomSeok Han (Hoseo University) Chairperson: Jeong-Yun Choi (Sungky)	Session 4 :Samda HallSafety and Toxicity of Chemical	12:10-13:30	Luncheon Seminar <i>Sponsored by Eurofins Discovery</i> Poster Session		
		Chairperson: Jeong-Yun Choi (Sungkyunkwan University)	13:30-14:00 Halla Hall 14:00-15:30	KSOT Academic Research Award Presentation Chairperson: Kyung-Min Lim (Ewha Womans University		
	16:20-16:35 R&D Status and Future Plans of Toxicological Research Division in MFDS	16:20-16:45 Regulatory Considerations for Safety Evaluation of mRNA Vaccines		KSOT Academic Research Award Presentation Awardee		
	Il Ung Oh (National Institute of Food and Drug Safety Evaluation) 16:35-17:00 Al Methods for Evaluating Toxicity at the Chemical and Genetic Levels			Session 7 :Halla HallOrganoid Platform for In Vitro Toxicology and Drug EvaluationJune 1000000000000000000000000000000000000	Session 8 : Samda Hall Young Scientist Forum Chairperson: Bumseok Kim (Jeonbuk National University	
	Sun Kim (Seoul National University / Mogam Institute for Biomedical Research)Doyoung Kwon (Jeju National University)17:00-17:2517:10-17:35New Experimental Model to Study Human Drug Response Including DILI Cho-Rok Jung (Korea Research Institute of Bioscience and Biotechnology)17:10-17:3517:25-17:50CMIT/MIT Mixture May Enhance Thrombotic Risk through Increased Platelet Procoagulant Activity Keunyoung Kim (Kangwon National University)17:25-17:5017:35-17:55Synthetic Biology for Innovation in Biomanufacturing Byung-Kwan Cho (KAIST)17:35-17:55 Rapid and Accurate Assessment of Mitochondrial Dysfunction Using a Novel Toxicity Index Derived from Oxygen	17:10-17:35 CMIT/MIT Mixture May Enhance Thrombotic		14:00-14:30 Kidney Organoids for in Vitro Drug Toxicity Assessment Hyun Mi Kang (Korea Research Institute of Bioscience and Biotechnology)	14:00-14:30 Development of Biosensors for the Detection of Toxicity-specific Markers	
			 14:30-15:00 In Vitro Lung Organoids: A Promising Platform for Human Respiratory Toxicity Studies Mi-Ok Lee (Korea Research Institute of Bioscience and Biotechnology) 15:00-15:30 	 14:30-15:00 Evaluation of Safety, Efficacy and Exposure in the Population of Chemicals Based on Quantitative Modeling Seung-Hyun Jeong (Sunchon National University) 15:00-15:30 		
17:50-18:20	General Assembly	Consumption Rates Yoonseok Kam (Agilent Technologies, USA)		Liver Organoids for Disease Modeling and Safety Assessment Myung Jin Son (Korea Research Institute of Bioscience and Biotechnology)	Standardized Method Development for Preparing Whole Cigarette Smoke Condensate (WCSC) for Toxicity Testing of Cigarette Smoke Yong-Hyun Kim (Jeonbuk National University)	
	Banquet	Ocean View Hall	15:30-16:00	Awards Ceremony & Closing Remarks	5 (

KSOT Poster of Distinction

Eight awardees oral presentation

한국생명공학연구원 후원 KOSHA 🥊 RR

E-mail: ksot@ksot.or.kr

KSOT/KEMS Secretariat

Tel: 82-2-888-3248