(사)한국독성학회/한국환경성돌연변이발암원학회

2024 제40차 정기학술대회

혁신적 독성과학: 더 건강한 사회를 위한 한계극복

The 40th Annual Meeting of KSOT/KEMS

Innovative Toxicology: Breaking Limitations for a Healthier Society

November 4 (Mon) ~ 6 (Wed), 2024

- Venue : Convention Hall, BEXCO, Busan, Korea

Invitation

존경하는 (사)한국독성학회/한국환경성돌연변이발암원학회 회원 여러분,

우리 학회 학술행사에 변함없이 관심을 주시고 참여해주시는 회원 및 임원 여러분께 항상 깊은 감사의 말씀을 드립니다.

가을의 정취가 무르익는 11월, 금번 제40차 정기학술대회는 아름다운 도시 부산의 벡스코에서 "Innovative Toxicology: Breaking Limitations for a Healthier Society"의 대주제를 가지고 개최됩니다. "더 건강한 사회를 위해 혁신적 독성과학을 통한 한계극복" 관련 국내외 훌륭한 연자들을 모시고 알찬 학술 프로그램을 준비하였으며 포스터 발표 및 학술상, 우수<mark>포스터상 시상</mark> 등 다채로운 학술 행사와 격려의 자리가 마련될 예정입니다. 특히 이번 정기학술대회는 한국바이오의약품협회와 공동주관으로 개최하게 되어 더 풍성한 학술프로그램을 준비하였습니다.

기조연설로 한국독성학회 명예회장인 동국대학교 김상건 교수님과 대만독성학회 회장인 National Cheng Kung University의 Ying-Jan Wang 교수님, 네덜란드 Utrecht University의 Hans Clevers 교수님 및 특별 강연으로 일본 Tohoku Medical and Pharmaceutical University의 황기욱 교수님의 강연이 예정되어 있습니다. 그 외 저명한 국내외 석학을 모시고 진행 될 본 행사는 우리 독성학 분야 학계 및 산업계 발전에 큰 도움이 될 것으로 기대하며, 최신 학문 발전, 환경보건, 산업안전보건, 생명과학 연구의 최신 지견을 제공하여 학회의 국제적인 위상을 높이고 국민 건강 및 복지 향상에도 기여할 것으로 기대합니다.

특히 이번 정기국제학술대회에서 화학물질의 안전성·독성뿐만이 아니라 백신 등 첨단바이오의약품 개발에서 전임상시험 및 안전성·독성에 관한 최신 동향을 살펴보고. 실험동물의 희생을 줄이고 규제과학에서 새로운 방법으로 시도 중인 오가노이드 · 생체조직칩 기술을 중심으로 최근에 대두되고 있는 안전성 · 위해성 관련 이슈를 보다 심도있게 논의할 예정입니다. 또한 최근에 이슈화되고 있는 괴불화합물의 독성 및 <mark>담배 독성평가 및</mark> 화학물질의 안전관리 방안에 대한 국민 건강에 관한 사회적 논의를 위한 프로그램도 마련하였습니다.

끝으로 회원 여러분의 건승을 기원하며 본 행사의 준비를 위해 수고해 주신 임원진과 학회 발전에 많은 도움을 주신 식품의약품안전처 식품의약품안전평가원과 많은 후원사의 지원에 깊은 감사를 드립니다.

> (사)한국독성학회/한국환경성돌연변이발암원학회 회장 최 경 철

> > 10:30-11:00

Models Min-Seok Kim

Methylmercury Toxicity and Brain Neurological Disorders Mediated by

Development of Target Organ

Smoke Using Animal Disease

(Korea Institute of Toxicology)

Chairperson: Keon Wook Kang (Seoul National University)

Toxicity Test Method for Cigarette

	November 4, 2024 (Monday)				Novem)			
	12:00-13:00	Council Meeting	Summit Hall		09:00-09:30 Grand Hall	KSOT Unbong Academic Research	h Award Presentation irperson: Ki Taek Nam (Yonsei University)		
	12:00 13:00-13:20 Grand Hall	Registration Welcome Remarks Kyung-Chul Choi (President of KSOT, Chur	ungbuk National University)			Repeated-dose Toxicity and Toxicokinetic Study of Isobutylparaben in Rats Subcutaneously Treated for 13 Weeks and Risk Assessment of Parabens in Cosmetic Ingredients Kyu-Bong Kim (Dankook University)			
•		Seogyoun Kang (Director General, National Jeong-Doo Heo (President of Korea Institute Jeong Seok Lee (Chairman, Korea Biomedic			09:30-11:00	Session 5 : Grand Hall Emerging Toxic Mechanisms of Perfluorinated Compounds	Session 6 : Medium Hall Advances in Cigarette Smoke Toxicity Research: Chemical		
	13:20-14:00 Grand Hall		Chairperson: Young-Jin Chun (Chung-Ang University)			Components, Mechanisms and Evaluation Chairperson: Young-Suk Jung (Pusan National University) (Korea Institute of Toxicology)			
		Alternative Testing Strategies for Nanomaterials Safety Assessment: From Mechanistic Studies to Regulatory Needs Ying-Jan Wang (President of TSTA, National Cheng Kung University, Taiwan)				09:30-10:00 Applying Multi- and Integrated Omics into Toxicity Mechanism	09:30-10:00 Current Status of NIFDS' Tobacco Harmful Substance Analysis		
	14:00-15:30	Session 1: Grand Hall Mechanisms of Proteotoxicity Arising from Misfolding and Aggregation	Session 2 : Medium Hall Recent Advances in Cancer Immunotherapy: Insights for Toxicologists			Identification of PFAs Sangkyu Lee (Sungkyunkwan University) 10:00-10:30 Developmental Toxicity and	Hyoung-Joon Park (National Institute of		
		Chairperson: Ja Hyun Koo (Seoul National University) Chairperson: Sang-Min Jeon (Seoul National University)				Teratogenicity of Perfluoroalkyl Compounds in Xenopus Embryos: Mechanistic Insights and Biological	Conventional Cigarettes and Heated Tobacco Products Moo-Yeol Lee (Dongguk University)		
		14:00-14:30	14:00-14:30			Impacts			

Hyun-Shik Lee

10:30-11:00

Culture Model

Coffee Break

Special Lecture

Nove

0<mark>9:00-11</mark>:

Chang Seon Ryu (KIST Europe, Germany)

(Kyungpook National University)

Impact of Perfluoroalkyl Substances

on Thyroid Hormone Úsing 3D Cell

		14:00-14:30 Acetylated Tau: A Missing Link between Brain Injury and Alzheimer's Disease Min-Kyoo Shin (Seoul National University) 14:30-15:00 Protein Aggregation in The Aberrant Biomolecular Condensates Youngdae Gwon (Sungkyunkwan University) 15:00-15:30 ER-resident Disulfide Reductase ERdj5 in Liver Diseases Yoon Mee Yang (Kangwon National University)	14:00-14:30 Engineering Next Generation T Cell Therapy for Cancer Chan Hyuk Kim (Seoul National University) 14:30-15:00 Regulation of T Cell Immunity Inside and Outside Tumor Sang-Jun Ha (Yonsei University) 15:00-15:30 Cancer Immunotherapy by T Cell Engager Antibody Seung-Woo Lee (POSTECH)	11:00-11:20 11:20-12:00 Grand Hall
15:3	80-15:50	Coffee Break / Poster Session		12:00-13:30
	50-16:30 and Hall	Plenary Lecture II Chairp Double-Edged Sword: Roles of Ga12 Sang Geon Kim (Dongguk University, Kor	13:30-15:10	
16:3	30-18:00	Session 3 : Grand Hall Preclinical Safety Evaluation Methods for mRNA Vaccines Sponsored by NIFDS Chairperson: IlUng Oh (National Institute of Food and Drug Safety Evaluation)	Special Session 4 : Medium Hall Novel Clues from the Molecular Toxicology Chairperson: Jeong-Hwan Che (Seoul National University Hospital)	
		 16:30-17:00 Safety Profile and Molecular Mechanisms of mRNA Vaccines: A Comprehensive Review Jae-Hwan Nam (The Catholic University of Korea) 17:00-17:30 Use of Animal Models for Identifying 	16:30-17:00 Development of Transcriptome- based Determination of Innate Immune Suppressor Assay (TDIS) as An in Vitro Test for Immunotoxicity Yi Rang Na (Seoul National University Hospital) 17:00-17:30 Molecular Toxicology Study	
		Toxicological Considerations of mRNA Vaccine Jun-Won Yun (Seoul National University) 17:30-18:00 Preclinical Evaluation Tools for Accessing Biodistribution of mRNA Vaccines	of Metabolic Intermediates in Synthetic Biology Hangun Kim (Sunchon National University) 17:30-18:00 Decoding Intoxication Pathways and Evolution of Clostridial Toxins via CRISPR Screening	
18:0	00-18:20	Hyewon Youn (Seoul National University Hospital) General Assembly	Hunsang Lee (Korea University) Grand Hall	15:10-15:50 Grand Hall (Online Zoom)
18:2	20	Banquet	Summit Hall	15:50-16:20

Registration

The registration fee includes admission to all scientific sessions, the exhibition, coffee breaks, and an abstract book. Participants are encouraged to register for the 40th Annual Meeting of KSOT/ KEMS by October 10, 2024, to take advantage of the reduced fee.

Early registration can be made through the internet site of KSOT/KEMS (www.ksot.or.kr).

	Early Registration (~ October 10)	On-site Registration	Banquet	
KSOT Member	₩160,000	₩200,000	₩10,000	
KSOT Student Member	₩100,000	₩120,000	* Panguat	
Non-Member	₩230,000	₩270,000	* Banquet : November. 4 (Mon)	
Student Non-member	₩120,000	₩140,000	Summit Hall	

Important Dates

Deadline For Early Registration : October 10, 2024, Deadline for Abstract Submission : October 10, 2024

	Gi-Wook Hwang (Tohoku Medical and Pharmaceutical University, Japan)						
30	Lunch Poster Session						
10	Session 7 : Grand Hall Organoids as Innovative Tools for Toxicology Sponsored by KoBIA	Session 8 : Medium Hall Young Scientist Forum					
	Chairperson: Hyun-Jung Kim (Chung-Ang University)	Chairperson: Jeong-Yun Cho (Sungkyunkwan University)					
	13:30-13:55 Standardization and Validation of Cardiac Organoids for Safety and Efficacy Do-Sun Lim (Korea University)	13:30-13:55 Gene-Environment Interaction on Brain Development: Novel Roles of Placenta Hae-Ryung Park (University of Rochester Medical Center, USA)					
	13:55-14:20 Kidney Micro Physiological Systems for Nephrotoxicity Assessment Sejoong Kim (Seoul National University)	13:55-14:20 Chaperone-Mediated Autophagy in Hepatic Lipid Metabolism: A New Avenue for Treating Metabolic Liver Disorders You-Jin Choi (Daegu Catholic University)					
	14:20-14:45 Pharmacokinetic Modeling and Simulation in Organoids Kyeong-Ryoon Lee (Korea Research Institute of Bioscience and Biotechnology)	14:20-14:45 Study on Preservation of Female Reproduction in Obstetrics and Gynecological Diseases Sunwoo Park (Gyeongsang National University)					
	14:45-15:10 Emerging Organoid Technologies for Disease Modeling and Liver Toxicity Assessment Myung Jin Son (Korea Research Institute of Bioscience and Biotechnology)	14:45-15:10 Dual Role of TYRO3 in Tumor Microenvironment Miso Park (Kangwon National University)					
50	Plenary Lecture III Chairperson: Hyun-Jung Kim (Chung-Ang University)						
<u>m)</u>	Organoids to Model Human Disease Hans Clevers (Utrecht University, Netherlands)						
20	Awards Ceremony & Closing Remarks	Grand Hall					
ml	ber 6, 2024 (Wednesc	lay)					
00	Session 9 : KSOT Poster of Distinction Chairperson: Beum-Soo An (Pusan National University) Yuseok Moon (Pusan National University)						
	Eight awardees oral presentation						
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	해외 비가 하는 가 있는 것이 있다. 한국바이오의 약품 협회						
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The 40th Annual Meeting Ap