

## Registration

Registration fee includes admission to the all scientific session, exhibition, coffee breaks, reception and abstract book. Participants are encouraged to register for the 35th Annual Meeting of KSOT/KEMS by October 8, 2019 to take advantage of the reduced fee.

- Pre-registration can be made through internet site of KSOT/KEMS (www.ksot.or.kr)
- For those who do not register in advance, on-site registration will be open in the ICC JEJU beginning at 12:00 on Monday, November 4, 2019.

	Early Registration	On-site Registration
KSOT Member	100,000	140,000
Student Member	50,000	80,000
General Participants	150,000	190,000
Student Non-member	70,000	100,000

## Important Dates

- **October 8** Deadline for abstract submission
- **October 8** Deadline for pre-registration

## KSOT/KEMS Secretariat

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# Venue

## Access to ICCJEJU

### From Jeju International Airport

From Jeju International Airport, you will reach ICC Jeju in approximately 40-50 minutes by car through Pyeonghwa-Ro Road. Limousine buses are also available every 15 minutes at the airport.

### ● Guide to the airport limousines (Jeju International Airport ↔ Jeju International Convention Center)

#### • Place

Limousine bus stop at the left side of the front gate (Samyoung Traffic No. 600)

#### • First departure

06:20 at the airport; last departure: after the arrival of the last airplane

#### • Service route

Airport → T.H.E Hotel and Vegas Casino Jeju → Entrance to the Yeomiji Botanical Garden → Hyatt Hotel → Shilla Hotel → Lotte Hotel → Hankook Condominium → Jeju International Convention Center → New Gyeongnam Hotel → Seogwipo KAL Hotel

### ● Taxi guide (Jungmun - Jeju International Airport)

- Select the distance (long-distance or short-distance) at the taxi stop.
- When you go to the Center, it is all right to take a taxi at the long-distance stop.
- Since the taxi fare is fixed, please confirm the distance before taking a taxi
- Fare (Korean won) : About 30,000 won; Distance: 40km; Duration: 40-45 minutes

### ● Rental Car Guide

- Advanced reservation is recommended if you plan to rent a car.
- Upon arrival, you can sign up for rental cars at the rent-a-car desk nearby airport exit.

### ● Route Details on the map



(사)한국독성학회/한국환경성물연변이발암원학회  
2019년 제35차 정기학술대회

The 35th Annual Meeting of KSOT/KEMS

# Bridging Modern Toxicology to Disease Prevention

Nov. 4 (Mon) ~ 5 (Tue), 2019

International Convention Center Jeju (ICC JEJU),  
Seogwipo-si, Jeju-do, Korea



주최 (사)한국독성학회/한국환경성물연변이발암원학회

식품의약품안전처 · 식품의약품안전평가원

후원 KOSHA

# Invitation

존경하는 (사)한국독성학회/한국환경성독물연변이발암원학회 회원 여러분,

우리 학회 행사에 변함없이 관심을 주시고 참여해주셔서 항상 깊은 감사의 말씀을 드립니다.

제35차 정기학술대회의 대주제 “Bridging Modern Toxicology to Disease Prevention” 와 함께 여러분을 아름다운 제주의 가을로 초대합니다.

이제 우리 학회는 명실공히 세계적 학회로 자리 매김하고 있으며 그동안 추진했던 다양하고 깊이 있는 학술회의, 국제적으로 높아진 학회 위상 및 발전은 모두 회원님들 노고의 결실입니다. 우리 학회는 국내 독성학 연구 분야의 활성화 및 경쟁력 고취를 위하여 지속적으로 노력해왔습니다. 특히 생활환경에서 노출되는 화학물질의 독성 및 질환 유발의 원인 규명 및 평가를 통해 국민 보건 향상과 안전한 제품 사용을 위한 학술행사와 사회적 참여에 노력하고 있습니다.

금번 추계 학술대회에는 서울대학교 김영철 교수님과 중국 Zhejiang 대학의 Bo Yang 교수님의 기조강연과 인도 Raisuddin 박사님의 특별강연이 예정되어 있으며, 총 4개의 세션에서 21명의 국내외 석학들을 모시고 알찬 학술 프로그램을 준비했습니다. 이번 정기학술대회에서는 생체 대사체의 독성학적 역할, 중금속과 화학물질에 의한 신경독성 및 신경질환 기전 연구, 바이오소재의 독성 영향 분석, 오가노이드를 이용한 독성연구 등의 토론을 통하여 독성학 연구를 질병기전의 이해와 예방으로 연결하는 장을 마련하고자 합니다. 이와 더불어 안전성 평가의 국제적 기준과 전략에 대한 논의가 진행됩니다. 또한, Young Scientist Forum Session을 통하여 미래 독성학자의 양성과 발전을 도모하고자 하며, 학술상, 우수포스터상 시상 등 다채로운 학술행사와 격려의 자리를 마련하였습니다.

본 학술대회의 활발한 논의와 교류를 통해 관련 분야 학계 및 산업계 발전에 큰 도움이 되고, 나아가 국민 건강 및 복지 향상에도 기여할 것을 기대합니다. 본 학술대회에 학회 회원 및 각계 전문가의 많은 관심과 참여를 부탁드립니다. 활발한 학술적인 정보교환과 회원 간의 친목을 도모하는 기회가 되기를 희망합니다.

끝으로 회원 여러분의 건승을 기원하며 본 행사의 준비를 위해 수고해주신 임원진의 노고에 깊은 감사를 드립니다.

2019. 9. 6.

(사)한국독성학회/한국환경성독물연변이발암원학회  
회장 이 병 훈

## The 35th Annual Meeting of KSOT/KEMS

Nov. 4 (Mon) ~ 5 (Tue), 2019  
International Convention Center Jeju (ICC JEJU)

### November 4, 2019 (Monday)

12:00-13:00	<b>Council Meeting</b>
12:00-13:30	<b>Registration</b>
13:30-13:40	<b>Welcome Remarks</b> Dr. Byung-Hoon Lee (President of KSOT, Seoul National University, Korea) Dr. Dong-hee Lee (Director General, National Institute of Food and Drug Safety Evaluation, Korea)
13:40-14:30 Halla Hall	<b>Plenary Lecture</b> Chaired by Dr. Jung-Duck Park (Chung-Ang University, Korea)  Betaine-A Modulator for Hepatic Metabolism of Sulfur-containing Substances and Its Pharmacological/Toxicological Significance Dr. Young Chul Kim (Seoul National University, Korea)
14:30-16:00 Halla Hall	<b>Session 1 : Toxicological Role of Sulfur Amino Acids and Their Metabolites</b> Chaired by Dr. Young Suk Jung (Pusan National University, Korea)
14:30-14:55	Power of Sulfur Containing Amino Acids: in Liver Dr. Kwang Suk Ko (Ewha Womans University, Korea)
14:55-15:20	Glutamate/mGluR5 in Stellate Cells Drives Endocannabinoid-mediated Alcoholic Steatosis in Liver Dr. Won-Il Jeong (KAIST, Korea)
15:20-15:45	Role of Nuclear Factor Erythroid 2-like 2 (NRF2) in Hypoxic Response of Cancer Cells Dr. Mi-Kyoung Kwak (The Catholic University of Korea, Korea)
15:45-16:00	Application of Stable Isotopes to Study Sulfur Amino Acid Metabolism Dr. Sang Kyum Kim (Chungnam National University, Korea)
16:00-16:30	<b>Coffee Break / Poster Session</b>
16:30-18:00 Halla Hall	<b>Session 2 : The Toxicity and Application of Biomaterials</b> Chaired by Dr. Kyu-Bong Kim (Dankook University, Korea)
16:30-17:00	Stem Cell Based Toxicity or Tumorigenicity Screening Platform Dr. In-Sun Hong (Gachon University, Korea)
17:00-17:30	Points to Consider for Safety Assessment of Nanomaterials Dr. Wan-Seob Cho (Dong-A University, Korea)
17:30-18:00	Therapeutic and Toxic Effects of Biomaterials to Treat Partial Obesity Dr. Beum-Soo An (Pusan National University, Korea)
16:30-18:00 Rm. 303	<b>Session 3 : Regulatory Aspects in Nonclinical Advances (NIFDS Session)</b> Chaired by Dr. Jong Kwon Lee (NIFDS/MFDS, Korea)
16:30-16:55	Overview of MFDS Toxicological Test Guidelines and International Aspects Dr. Jun-Young Yang (NIFDS/MFDS, Korea)
16:55-17:20	Current Status and Strategies for the Development of Innovative Non-animal Safety Assessment Dr. Tae Sung Kim (NIFDS/MFDS, Korea)
17:20-17:40	Evaluation of Dependence on Temporary Drug Dr. Young-Hoon Kim (NIFDS/MFDS, Korea)
17:40-18:00	Digital Therapeutics and Toxicology : Future of Tox21 Dr. Seung-Eun Choi (S-Alpha Therapeutics Inc, Korea)
18:00-18:30	<b>General Assembly</b>
18:30-	<b>Reception</b>

## Bridging Modern Toxicology to Disease Prevention

### November 5, 2019 (Tuesday)

09:10-10:00 Halla Hall	<b>Plenary Lecture</b> Chaired by Dr. Keon Wook Kang (Seoul National University, Korea)  Cell-cell Crosstalk Contributes to Kinase Inhibitors-induced Toxicity Dr. Bo Yang (Zhejiang University, China)
10:00-10:20	<b>Coffee Break</b>
10:20-11:50 Halla Hall	<b>Session 4 : Molecular Insights for Elucidating Neuronal Diseases</b> Chaired by Dr. Jongsun Park (Chungnam National University, Korea)
10:20-10:50	Site-specific Neural Hyperactivity Via the Activation of MAPK and PKA/ CREB Pathways Triggers Neuronal Degeneration in Methylmercury-intoxicated Mice Dr. Masatake Fujimura (National Institute for Minamata Disease, Japan)
10:50-11:20	Current Insights of Pathogenesis in Alzheimer's Disease Dr. Inhee Mook (Seoul National University, Korea)
11:20-11:50	Developmental Microglial Activation and Postgrowth Abnormal Behavior Induced by Prenatal Exposure of Chemicals Dr. Yasuhiro Ishihara (Hiroshima University, Japan)
11:50-13:00	<b>Lunch / Poster Session</b>
13:00-13:40 Halla Hall	<b>Special Lecture</b> Chaired by Dr. Eui-Bae Jeung (Chungbuk National University, Korea)  Modulatory Role of Endocrine Disrupting Chemicals (EDCs) on Nuclear Receptors and Its Implication in Toxicity and Disease Predisposition Dr. S. Raisuddin (Hamdard University, India)
13:40-15:10 Halla Hall	<b>Session 5 : Organoid Engineering for Drug Development</b> Chaired by Dr. Jongman Yoo (CHA University School of Medicine, Korea)
13:40-14:10	Organoid Medicine: Tools for Drug Discovery and Regeneration Dr. Jongman Yoo (CHA University School of Medicine, Korea)
14:10-14:40	Expandable Human Pluripotent Stem Cell-Derived Hepatic Organoids as a Novel Model for Toxicity Evaluation Dr. Myung Jin Son (Korea Research Institute of Bioscience and Biotechnology, Korea)
14:40-15:10	Prediction of Metabolism-induced Hepatotoxicity in Miniature 3D Cell Culture Dr. Moo-Yeal Lee (Cleveland State University, USA)
13:40-15:00 Rm. 303	<b>Session 6 : Young Scientist Forum Session</b> Chaired by Dr. Donghak Kim (Konkuk University, Korea)
13:40-14:00	New Insights on the Toxic Mechanism of Methylmercury Dr. Jin-Yong Lee (Aichi Gakuin University, Japan)
14:00-14:20	The Role of Protein Arginine Methyltransferase 1 in the Development of Allergic Rhinitis Dr. Jong-Hwan Park (Chonnam National University, Korea)
14:20-14:40	Inflammatory and Tumorigenic Effects of Environmental Pollutants Found in Particulate Matter on Lung Epithelial Cells Dr. Hanguk Kim (Suncheon National University, Korea)
14:40-15:00	The Therapeutic Strategy for Non-alcoholic Fatty Liver Disease (NAFLD) Dr. Tae Woo Jung (Chung-Ang University, Korea)
15:10-15:30	<b>Award Presentation &amp; Closing Remarks</b>