

## Registration

Registration fee includes admission to the all scientific session, exhibition, coffee breaks, reception and abstract book. Participants are encouraged to register for the 30th Annual Meeting of KSOT/KEMS by October 17, 2014 to take advantage of the reduced fee.

- Pre-registration can be made through internet site of KSOT/KEMS ([www.toxmut.or.kr](http://www.toxmut.or.kr))
- For those who do not register in advance, on-site registration will be open in the Muju Resort beginning at 12:30 on Thursday, November 6, 2014.

	Early Registration	On-site Registration
KSOT Member	80,000	100,000
Student Member	40,000	60,000
General Participants	110,000	130,000
Student Non-member	60,000	80,000

## Important Dates

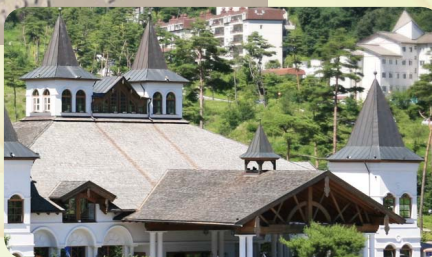
- **October 17** Deadline for abstract submission
- **October 17** Deadline for pre-registration

## KSOT/KEMS Secretariat

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<http://www.toxmut.or.kr>  
<http://www.ksot.co.kr>

## Venue



### Muju Deogyusan Resort <Carnival Culture Palace>

Location : Manseon-ro 185, Seolcheon-myeon, Mujugun, Jeonbuk, Korea 586-811

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Home page <http://www.mdysresort.com>

- Muju Bus Terminal, approximately 40 minutes by car
- Daejeon Station(KTX), approximately 50 minutes by car or intercity bus to Muju Bus Terminal


(사)한국독성학회/한국환경성독물연변이·발암원학회  
2014년 제30차 정기학술대회

*The 30th Annual Meeting of KSOT/KEMS*

# Current Issues in Chemical Safety and Risk Assessment

Nov. 6 (Thu) ~ 7 (Fri), 2014

Muju Deogyusan Resort <Carnival Culture Palace>  
Jeonbuk, Korea

주최  (사)한국독성학회/한국환경성독물연변이·발암원학회

 전라북도

후원  KIT 안전성평가연구소  
Korea Institute of Toxicology

 KOFST  
Korea Research Institute of Chemical Technology

# Invitation



존경하는 (사)한국독성학회/한국환경성독물연변이·발암원학회 회원 및 독성분야 과학자 여러분,

항상 학회의 행사에 열성적으로 관심을 주시고 참여해주시는 여러분께 깊은 감사의 인사를 드립니다.

이제 우리 한국독성학회는 명실공히 세계적인 학회로 자리 매김하고 있으며 내년에는 제7회 아시아독성학회(2015. 6. 23 ~ 26, 제주ICC)를 개최하게 됩니다. 그동안 본 학회에서 추진했던 다양하고 깊이 있는 학술회의, 국제적으로 높아진 학회 위상 및 발전은 모두 회원님들 노고의 결실입니다.

우리 학회는 국내 독성학 연구 분야의 활성화 및 국제화를 위하여 지속적으로 노력해왔습니다. 특히 생활용품, 식품, 화장품, 의약품 등 환경매체에서 노출되는 화학물질에 의한 인체 유해성의 규명 확인 및 평가를 통해 국민 보건 향상과 안전한 제품 사용을 위한 학술행사와 사회적 참여에 노력하고 있습니다. 우리 학회의 활동은 매년 국제사회로 그 무대가 확대되어 세계적인 발전을 선도하고 있습니다.

금번 제30차 정기학술대회는 자연 친화적인 휴양과 레포츠로 조화로운 무주덕유산리조트에서 독성학회 회원가로 숙박 가능합니다. 특히 무주 무료투어를 진행하므로, 학회 참석을 계기로 가족과 함께 즐거운 무주 여행이 되었으면 합니다.

본 학술대회는 “Current Issues in Chemical Safety and Risk Assessment”를 주제로 국내외의 연자들을 모시고 알찬 학술 프로그램을 준비했습니다. 또한 학술상, 우수포스터상 시상 등 다채로운 학술행사와 격려의 자리를 준비하였습니다. 간질환 및 치료에 대한 최근 동향, 식품의 안전성, 의약품 개발시 의존성 평가에 대한 최신 동향, 화장품의 안전성, 다장기를 이용한 첨단 독성 평가기술 소개 등 다양한 독성학 연구의 최신 동향들이 발표되고 토론될 예정입니다. 또한, Dr. James Swenberg와 Dr. Elaine Faustman는 위해성 평가와 어린이의 건강과 관련한 강도도 예정되어 있습니다. 본 행사는 우리 학계 및 산업계 발전에 큰 도움이 될 것으로 기대하며, 최신 학문 발전, 환경보건, 생명과학 연구의 트렌드를 제공하여 국내 수준의 진보, 국민 건강 및 복지 향상에도 기여할 것입니다.

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

2014. 10.

(사)한국독성학회/한국환경성독물연변이·발암원학회  
회장 조 명 형

## The 30th Annual Meeting of KSOT/KEMS Current Issues in Chemical Safety and Risk Assessment

Nov. 6 (Thu) ~ 7 (Fri), 2014  
Muju Deogyusan Resort <Carnival Culture Palace>, Jeonbuk, Korea

### Nov. 6 (Thursday)

11:30-13:00	<b>Council meeting</b>
12:30-13:20	<b>Registration</b>
13:20-13:30	<b>Opening Ceremony</b> <i>Dr. Myung-Haing Cho (President of KSOT, Seoul National University)</i>

### Plenary Lecture I

Chaired by *Dr. Byung-Hoon Lee (Seoul National University)*

13:30-14:20	<b>The Need for Science-based Risk Assessment</b> <i>Dr. James Swenberg (UNC, USA)</i>
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### Session 1: Liver Diseases and Current Treatment

Chaired by *Dr. Aree Moon (Duksung Women's University)*  
*Dr. Sung Hwan Ki (Chosun University)*

Symphony Hall	S1-1	14:20-14:45 <b>Molecular Landscape of Early Phase Liver Toxicity and Injury</b> <i>Dr. Suk Woo Nam (The Catholic University of Korea)</i>
	S1-2	14:45-15:10 <b>Exploitation of Molecular Targeted Therapy for HCC: Mechanism of Tumor Response and Potency of CSC Targeting</b> <i>Dr. Yun-Han Lee (Yonsei University)</i>
	S1-3	15:10-15:35 <b>Modulation of Apoptosis and Autophagy by Adiponectin in Liver Cells Treated with Ethanol</b> <i>Dr. Pil Hoon Park (Yeungnam University)</i>
	S1-4	15:35-16:00 <b>The Role of Immune System in Mouse Models of Non-infectious Liver Diseases</b> <i>Dr. Bumseok Kim (Chonbuk National University)</i>
16:00-16:30	<b>Coffee Break / * Poster Session</b>	

### Session 2: Food Chemical Contaminants and Safety

Chaired by *Dr. Hae Jung Yoon (Ministry of Food and Drug Safety)*  
*Dr. Hanseung Shin (Dongguk University)*

Symphony Hall	S2-1	16:30-16:55 <b>Metabolic Regulation by Protein-tyrosine Phosphatases</b> <i>Dr. Fawaz G. Haj (University of California Davis, USA)</i>
	S2-2	16:55-17:20 <b>Distribution and Characteristics of Methyl Mercury in the Tissues of Shark and Whale</b> <i>Dr. Hyun Mee Park (KIST)</i>
	S2-3	17:20-17:45 <b>Biokinetics and Interaction of Food Grade Inorganic Nanoparticles</b> <i>Dr. Soo-Jin Choi (Seoul Women's University)</i>
	S2-4	17:45-18:10 <b>Food Chemical Contaminants and Risk Assessment</b> <i>Mr. Joon Goo Lee (Ministry of Food and Drug Safety)</i>

18:10-18:30	<b>KSOT/KEMS General Assembly</b>
18:30-	<b>Reception</b>

### Nov. 7 (Friday)

### Session 3: The Current Approach to Abuse Potential in Drug Development (Sponsored by KIT)

Chaired by *Dr. Chang Woo Song (Korea Institute of Toxicology)*  
*Dr. Joo Young Lee (The Catholic University of Korea)*

Symphony Hall	S3-1	09:00-09:25 <b>Assessment of Drug Abuse Liability in Preclinical Drug Development</b> <i>Dr. Seong Shoon Yoon (Korea Institute of Toxicology)</i>
	S3-2	09:25-09:50 <b>Dependence Potential of Lisdexamphetamine, Phenazepam, and 5-APB: <i>in vivo</i> and <i>in vitro</i> Approaches</b> <i>Ms. Hye Jin Cha (Ministry of Food and Drug Safety)</i>
	S3-3	09:50-10:15 <b>Antinarcotic Effect of TCMA Derivatives</b> <i>Dr. SeiKwan Oh (Ewha Womans University)</i>
	S3-4	10:15-10:40 <b>The Underlying Mechanisms of the Discriminative Stimulus Effects of Several Abused Drugs and their Interactions</b> <i>Dr. Tomohisa Mori (Hoshi University, Japan)</i>

10:40-11:00 **Coffee break**

### Plenary Lecture II

Chaired by *Dr. Kyung-Chul Choi (Chungbuk National University)*

11:00-11:50	<b>Lessons learned from Longitudinal Children's Cohort Studies: Challenges and Successes in Integrating "Gene times Environment" Research for Identifying at Risk Families in Agricultural Communities</b> <i>Dr. Elaine Faustman (University of Washington, USA)</i>
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11:50-13:00 **Lunch**

12:30-13:30 **\* Poster Session**

### Session 4: Cosmetics Risk Assessment

Chaired by *Dr. Chang Won Park (National Institute of Food and Drug Safety Evaluation)*  
*Dr. Kyu-Bong Kim (Dankook University)*

Ensemble Hall	S4-1	13:30-13:55 <b>Risk Assessment of Avobenzone, a UV filter</b> <i>Dr. Kyu-Bong Kim (Dankook University)</i>
	S4-2	13:55-14:20 <b>Analytical Method Development and Monitoring for Hazardous Compounds in Cosmetic Products</b> <i>Dr. Dalwoong Choi (Korea University)</i>
	S4-3	14:20-14:45 <b>Exposure Assessment of Personal Care Products/Cosmetics in Korean</b> <i>Dr. Myung Hwa Kim (Dankook University)</i>
	S4-4	14:45-15:10 <b>Round Table: Current Issues in Cosmetics Risk Assessment</b> <i>Dr. Byung-Mu Lee (Sungkyunkwan University), Dr. Chan Young Shin (Konkuk University), Dr. Seung Jun Kwack (Changwon National University)</i>

### Session 5: Toxicological Evaluation Based on the Multi-organ Interaction (Sponsored by KIT)

Chaired by *Dr. Jung-Hwa Oh (Korea Institute of Toxicology)*

Symphony Hall	S5-1	13:30-14:10 <b>Integrated Discrete Multiple Organ Co-culture (IdMOC) for the Evaluation of Xenobiotic Toxicity</b> <i>Dr. Albert P. Li (President and CEO, In Vitro ADMET Laboratories LLC, USA)</i>
	S5-2	14:10-14:40 <b>Human-based <i>in vitro</i> Multiorgan Model for the Prediction of Human Drug Toxicity</b> <i>Dr. Mi-Sook Dong (Korea University)</i>
	S5-3	14:40-15:10 <b>Multi-organ-on-a-chip for Whole-body Toxicity Screening</b> <i>Dr. Jong Hwan Sung (Hongik University)</i>

15:10-15:30 **Award Presentation & Closing Remark**

15:30-17:30 **Muju Tour sponsored by Jeollabuk-do**