

## Registration

		사전등록	현장등록
회 원	일반	130,000원	150,000원
	학생	50,000원	70,000원
비회원	일반	180,000원	220,000원
	학생	70,000원	90,000원

• 접수 및 안내  
<http://2012toxeh.org>

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\*사전등록/초록접수 마감 : 5월 17일(목요일)

## 오시는 길



### 지하철

• 2호선 낙성대역(4번출구) → LG주유소 뒷편 → 장블랑제과점 앞에서 마을버스 관악-02번 승차 → 호암교수회관 하차(5분거리) (마을버스 5분간격으로 운행)

### 승용차

• 남부순환도로에서 낙성대(이정표:서울대후문) 방면으로 좌,우회전  
※ 지방에서 오실 경우 경부고속도로를 이용해서 서초,C에서 사당방면으로 P턴 → 남부순환로 이용

### 버 스

• 461, 5411, 5412, 5413, 5424, 641 이용 낙성대하차 → LG주유소뒤편 장블랑제과점 앞에서 마을버스 관악-02번 승차 → 호암교수회관 하차(5분거리)  
※ 호암교수회관 주차장은 혼잡하오니 대중교통을 이용 바랍니다

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(사)한국환경보건학회  
(사)한국독성학회/한국환경성독물연변이·발암원학회  
2012 국제공동학술대회

Joint International Conference by KSOT and KSEH

# Perspectives in Environmental Health & Toxicology

May 31 (Thu) - June 1 (Fri), 2012

Samsung Convention Center, Seoul National University

주최 : 한국환경보건학회

(사)한국독성학회/한국환경성독물연변이·발암원학회

KFDA 식품의약품안전평가원

후원 : 산업재해예방 안전보건공단  
산업안전보건연구원

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**Dear Colleagues,**

We cordially invite you to attend the Joint International Conference by KSOT and KSEH, which will be held on May 31 and June 1, 2012 at the Samsung Convention Center located in Seoul National University, Korea. The conference is co-organized by Korean Society of Toxicology (KSOT) and Korean Society of Environmental Health (KSEH).

The theme for the conference is "Enhancing human safety through advancing toxicological technology & climate change and environmental health". This year's meeting encompasses novel approaches and technologies being used in the fields of food, cosmetics, pharmacy, and clinic to properly assess the safety, toxicity, and risk for human health.

The scientific program includes a special forum on the specific subjects and poster sessions that highlight key areas covered in this conference.

We are convinced that this 2-day conference will introduce audience from academia, food, cosmetics, and medical industries and government agencies the latest scientific advancement in the field of toxicology and environmental health. This meeting will provide attendees with the ample opportunities to share and exchange the ideas and to launch collaborations.

Finally, we would like to express our sincere appreciation to the sponsors that have provided financial support for the successful organization of the conference and awards for our next generation researchers. We look forward to your active participation.

**Byung-Mu Lee, Dr.P.H.**  
President, KSOT, KEMS

**Sang Gun Kim, Ph.D.**  
President, KSOT, KEMS

**Domyung Paek, MD, MSc, ScD**  
President, KSEH

**May 31 (Thu)****09:00~09:40 Registration****09:40~10:00 Opening Remarks**

- Prof. Byung-Mu Lee (President, KSOT/KEMS)  
- Prof. Domyung Paek (President, KSEH)

**Congratulatory Remarks**

- Dr. Kwang-Ho Lee (Director General, NiFDS/KFDA)

**Session 1: Nanoparticles**

Chair: Dr. Jeong Sun Yang (KOSHA, Korea)

**S1-1 10:00~10:30**

Development of measurement standards in nanomaterial property characterization for reliable nanosafety research  
- Dr. Nam Woong Song (Korea Research Institute of Standards and Science, Korea)

**S1-2 10:30~11:00**

The importance of systemic nanotoxicological and toxicokinetic analysis for ensuring the safety of well-dispersed amorphous nanosilica  
- Prof. Yasuo Yoshioka (Osaka University, Japan)

**11:00~11:20 Coffee Break**

Chair: Prof. Jinhee Choi (University of Seoul, Korea)

**S1-3 11:20~11:50**

Risk assessment of silver nanoparticles  
- Prof. Il Je Yu (Hoseo University, Korea)

**S1-4 11:50~12:20**

Can the lessons learned from particle toxicology be applied to nanotoxicology?  
- Prof. Mary Gulumian (University of the Witwatersrand, South Africa)

**12:20~14:00 Lunch / Poster Session****Plenary Lecture**

Chair: Prof. Myung-Hee Chung  
SAIHST (Samsung Advanced Institute for Health Sciences & Technology),  
Sungkyunkwan University, Korea

**14:00~15:00 Oncogene-induced senescence as dynamic and static phenotype**

- Dr. Masashi Narita (Cambridge Research Institute, UK)

**Session 2: Mechanistic Basis for Risk Assessment**

Chair: Prof. Pan Gyi Kim (Yongin University, Korea)

**S2-1 15:00~15:25**

Use of mechanistic data in risk assessment - examples from EPA's IRIS assessment of trichloroethylene  
- Dr. Wehsueh Chiu (US Environmental Protection Agency, USA)

**S2-2 15:25~15:50**

Strain-dependant health outcomes after subacute exposure to trichloroethylene in multi-panels of inbred mice  
- Dr. Sungkyoon Kim (Seoul National University, Korea)

**15:50~16:10 Coffee break**

Chair: Prof. Kyungho Choi (Seoul National University, Korea)

**S2-3 16:10~16:35**

Potential effects of endocrine disrupting chemicals on the estrogenicity or tumorigenicity for risk assessment  
- Dr. Kyung Chul Choi (Chungbuk National University, Korea)

**S2-4 16:35~17:00**

Toxicogenomic screening of environmental pollutants on toxicity  
- Dr. Xiaowei Zhang (Nanjing University, China)

**S2-5 17:00~17:20**

Human biomonitoring-based exposure assessment in KFDA  
- Dr. Gyu-Seek Rhee (NiFDS/KFDA, Korea)

**17:20~18:00 General Assembly of Korean Society of Toxicology****18:00~20:00 Reception****June 1 (Fri)**

Joint International Conference by KSOT and KSEH  
**Perspectives in Environmental Health & Toxicology**

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Date : May 31 (Thu) 2012 ~ June 1 (Fri) 2012  
Venue : Samsung Convention Center, Seoul National University

**Session 3: Predictive & Systems Toxicology**

Chair: Dr. Soon Young Han (NiFDS/KFDA, Korea)

**S3-1 10:00~10:30**

Role of toxicogenomics on mechanistic toxicology  
- Dr. Seokjoo Yoon (Korea Institute of Toxicology, Korea)

**S3-2 10:30~11:00**

Omics approach for the biomarker of genotoxicity by aristolochic acid  
- Dr. Takayoshi Suzuki (National Institute of Health Sciences, Japan)

**11:00~11:20 Coffee Break**

Chair: Prof. Yhun Yhong Sheen (Ewha Womans University, Korea)

**S3-3 11:20~11:50**

Genomic approach for understanding the mutagenic and carcinogenic mechanisms of heavy metal cadmium and nickel in terms of gene-environment interaction  
- Prof. Young Rok Seo (Dongguk University, Korea)

**S3-4 11:50~12:20**

Dissection of the Nrf2/Keap1 pathway using a multi-Omics approach  
- Prof. Akhilesh Pandey (Johns Hopkins University, USA)

**12:20~14:00 Lunch / Poster Session****Session 4: Climate Change and Environmental Health**

Chair: Prof. Jong-Tae Lee (Korea University, Korea)

**S4-1 14:00~14:30**

Weather and human mortality: Impacts today and under a changing climate  
- Dr. Michelle Bell (Yale University, USA)

**S4-2 14:30~15:00**

Climate change, indoor environment and public health: an Asian perspective  
- Dr. Huey-Jen Jenny Su (National Cheng Kung University, Taiwan)

**15:00~15:20 Coffee Break**

Chair: Correspondent Hong-Sup Cho (Hangyoreh News, Korea)

**S4-3 15:20~15:50**

Climate change impact on health: New estimations  
- Dr. Yasushi Honda (Tsukuba University, Japan)

**S4-4 15:50~16:20**

Estimating heat and cold effects on mortality in the East Asian cities  
- Dr. Ho Kim (Seoul National University, Korea)

**16:20~16:50 Awarding Ceremony****Special Session**

Chair: Prof. Domyung Paek (Seoul National University, Korea)

**16:50~17:20**

Case studies on victims of humidifier disinfectants  
- KSEH Team (Drs. KM Lee, JH Leem, S Lim, DU Park, J Park)

**17:20~18:00**

General Assembly of Korean Society of Environmental Health

**18:00****Closing Remarks**