INVITATION

Dear Colleagues and Friends,

It is my great pleasure to invite you to the 12th International Conference and 5th Asian Congress on Environmental Mutagens (ICEM-ACEM 2017), hosted by the Korean Environmental Mutagen Society (KEMS), to be held November 12-16, 2017, in Korea.

Since its establishment in 1977, the KEMS has been working to increase awareness of the science of Environmental Mutagens. As a result, the field of Environmental Mutagens has grown rapidly across all academic areas and related industries in Korea.

On behalf of the organizing committee, I would like to express our sincere gratitude to all of you for giving us the opportunity to host this conference. The ICEM-ACEM 2017 will offer the unique opportunity to learn about the latest findings and research from renowned specialists in Environmental Mutagens and Cancer Research as well as to exchange ideas and information with colleagues on the most recent trends.

In addition, a variety of stimulating social programs has been planned so participants can enjoy the fascinating Korean culture and share our warm spirit of friendship. We look forward to welcoming you and your active participation at ICEM-ACEM 2017 in Incheon (Airport city of Seoul), Korea.

Sincerely yours,

Kwon, Hoonjeong

Hoonjeong Kwon
Organizing Committee Chair of ICEM-ACEM 2017
President of Korean Environmental Mutagen Society

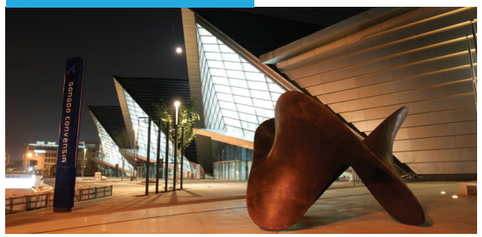
REGISTRATION

All ICEM-ACEM 2017 participants are required to register through the online registration system at www.icem2017.org.

Category	Early-bird (by Aug. 31, 2017)	Advanced (Sep. 1~30, 2017)	Pre/On-site (From Oct. 1, 2017)
Professional * Including Post Doc	US$ 450	US$ 500	US$ 550
Student * Graduate Student, Under-Grad Student	US$ 200	US$ 250	US$ 300
Accompanying Person	US$ 150	US$ 150	US$ 150
Workshop (Nov. 12, 2017)	US$ 150 (Student: US$ 100)		
Gala Dinner (Nov. 15, 2017)	US$ 100		

VENUE

SONGDO CONVENSIA



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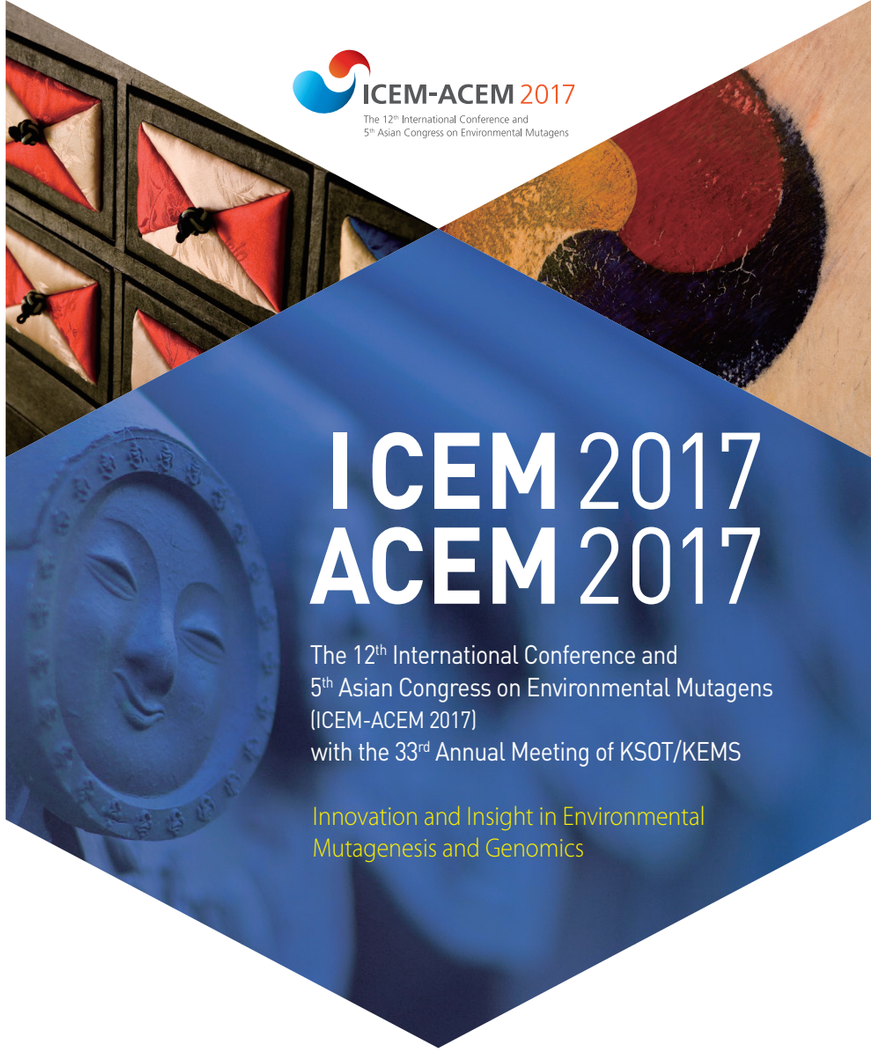

ICEM-ACEM 2017
The 12th International Conference and
5th Asian Congress on Environmental Mutagens

ICEM 2017
ACEM 2017

The 12th International Conference and
5th Asian Congress on Environmental Mutagens
(ICEM-ACEM 2017)
with the 33rd Annual Meeting of KSOT/KEMS

Innovation and Insight in Environmental Mutagenesis and Genomics

NOVEMBER
12 to 16, 2017

Songdo Convensia
Incheon (Airport City of Seoul), Korea

www.icem2017.org

Hosted by Korean Society of Toxicology, Korean Environmental Mutagen Society, IAEMGS

PLENARY LECTURES

Advances in Environmental Carcinogenesis and Mutagenesis: from Chimney Sweeps to Oncogenes
Young-Joon Surh
Seoul National University, Korea

In Silico Approaches in Genetic Toxicology –Progress and Future-
Masamitsu Honma
National Institute of Health Sciences, Japan

DNA Damage: Impact on Aging, Neurodegeneration and the Effect of Nutritional Interventions
Jan Hoeijmakers
Erasmus Medical Center, Netherlands

Genome Health Clinic Concept for Disease Prevention Based on Optimising DNA and Telomere Integrity Using Personalised Diet/Life-Style Intervention
Michael Fenech
CSIRO Health and Biosecurity, Australia

KEYNOTE LECTURES

Emerging Concepts and Strategies in Testing for Genomic Damage
Bhaskar Gollapudi (Exponent, Inc., USA/Editor-in-Chief, Environmental and Molecular Mutagenesis)

Ecological Impacts of Emerging Pollutants in a Coastal Region of China
Yonglong LU (Chinese Academy of Science, China)

Arsenic Contamination in Drinking Water and Its Toxicity and Carcinogenicity in Human: Are We Safe?
Ashok K. Giri (Indian Inst. of Chemical Biology, India)

Exploration of Cancer Etiology in Humans-from History of Chemical Carcinogenesis in Animal Models to Future Perspectives-
Hitoshi Nakagama (National Cancer Center, Japan)

DISTINGUISHED LECTURES

Obesity and DNA Damage
Siegfried Knasmueller (Medical University of Vienna, Austria)

Quantitative Genetic Toxicology Developments
George Johnson (George Johnson Swansea University, UK)

SYMPOSIUM

01. Transcription-Associated Causes of Genome Instability in Cancer and Aging
02. Epigenetic Effects of Chemical Exposures and Inflammation
03. Translating DNA Damage to the Clinic: from Early Stages to Diagnosis, Treatment, and Survival of Mutation Related Diseases
04. Genomic and Non-Genomic Effects of Air Pollution on Newborns and Children
05. Feedback from the 7th International Workshop on Genotoxicity Tests (IWGT) in Tokyo, Japan
06. Molecular Mechanisms Underlying Thresholds of Genotoxic Carcinogens
07. Systems Toxicological Approaches for Evaluating Environmental Mutagen
08. Micronuclei and Other Nuclear Anomalies as Biomarkers of Genotoxicity: Mechanisms and Application in Human in vivo Studies
09. Risk Assessment of Food-Borne Carcinogens
10. Nutrigenomics and Nutrigenetics
11. Botanical Dietary Supplements and Potential Public Health Adverse Effects (Toxicity and Genotoxicity)
12. Mutational Signatures
13. Intestinal Microbiota and Colorectal Cancer
14. In Silico Genetic Toxicity Assessment in International Regulatory Settings
15. Quantitative Analysis of Genetic Toxicology Dose-Response Data for Regulatory Evaluations and Decision-Making
16. The Role of Genetic Toxicity in Thresholds of Toxicological Concern in Cancer Risk Assessment
17. Overview of the Application of Genetic Toxicology to International Tobacco Product Regulation
18. Human Population Exposed to Environmental Mutagen and Carcinogens: Arsenate Exposure in Asian Countries and its Genotoxicity and Carcinogenicity
19. Human Population Exposed to Environmental Mutagen and Carcinogens: Environmental and Occupational Threat on Human Health
20. Targeted and Untargeted DNA and Protein Adductomics
21. Human Biomonitoring
22. Aristolochic-Acid Associated Cancers
23. Human Population Exposed to Environmental Mutagen and Carcinogens: Air Pollution and Related Human Health and Disease
24. Human Population Exposed to Environmental Mutagen and Carcinogens: Genetic or Epigenetic Mechanism Related to Cancer or Other Diseases
25. Antimutagenesis and Anticarcinogenesis
26. Application of Genetic Toxicology Assays to Inform the Regulation of Tobacco and Electronic Nicotine Delivery System Products
27. DNA Replication Stress, DNA Damage and Genome Instability
28. Nucleotide Excision Repair: Understanding the Molecular Mechanism of Repair of Environmental Damage to DNA
29. Environmental Epigenetics
30. Regulation of Cell Death and Survival after Genotoxic Stress

EDUCATIONAL COURSE

> DATE & TIME: November 12 (Sun), 2017, 14:00-17:00
> REGISTRATION FEE: Professional : $150, Student : $100
> PROGRAM
- Risk Assessment of Genotoxic and Non-Genotoxic Carcinogens
  Takehiko Nohmi (NIHS, Japan)
- Why DNA Damage Matters to Your Health and How Nutrition Can Help You to Prevent it
  Michael Fenech (CSIRO Health and Biosecurity, Australia)
- Mutational Spectra and Signatures (Tentative)
  David Phillips (King's College London, UK)

CALL FOR ABSTRACT

The ICEM-ACEM 2017 Scientific Program Committee invites all individuals to submit abstracts at www.icem2017.org. Outstanding abstracts will be selected to Oral presentations.

- Environmental mutagens & carcinogens
- DNA repair & mutagenic mechanisms
- Oxidative stress and redox toxicity
- Consequences of DNA damage & mutations: aging, cancer & other diseases
- Transgenics & in vivo mutagenesis
- Genetic Polymorphisms
- Mutation-related diseases: Prevention and therapy
- Applied genetic technology
- Stem cell mutagenesis
- Inflammation
- Cellular & molecular carcinogenesis
- "OMICS" & systems toxicology
- Antimutagenesis & anticarcinogenesis
- Nutrigenetics & nutrigenomics
- Environmental epigenetics
- Epigenetic regulation
- Environmental health & human disease
- Molecular epidemiology
- Exposomics & exposure biology
- Biomonitoring
- Cellular effects of natural product extracts
- Smoking & mutagenesis
- Heavy metals
- Radiation
- Particulate Matter (Fine dust)
- Advances in genotoxicity testing
- Food Safety
- Cosmetics and Safety
- Genomic approaches for biomarker development & safety assessment
- Risk assessment & regulatory issues
- Other