

The 7th Asian Congress on Environmental Mutagens (ACEM)
The 19th Chinese Environmental Mutagen Society Meeting (CEMS)
Qingdao, Shandong, China
(Final Announcement)

The 7th Asian Congress on Environmental Mutagens/19th Chinese Environmental Mutagen Society Meeting 2022 (ACEM/CEMS 2022) which will be held in a Hybrid format. The keynote lectures and symposia in English will be held online during November 4- 7 in Qingdao, China, as previously scheduled. Symposia in Chinese has been postponed due to epidemic prevention policies of COVID-19.

ACEM/CEMS 2022 will be hosted by the Asian Association of Environmental Mutagen Societies (AAEMS) and the Chinese Environment Mutagen Society (CEMS). The theme of the ACEM/CEMS 2022 is **“The Impact of Global Change on Asian Environment and Genomic Health”**. The meeting is designed to provide attendees the opportunity to network with experts and disseminate the latest scientific developments on environmental mutagens in the Asia-Pacific region. The meeting covers the latest research progress in the environment and genomic health, frontier theory and technology. We wish to extend a warm welcome and invitation to you to participate in ACEM/CEMS 2022.

Theme

The Impact of Global Change on Asian Environment and Genomic Health

Committees

Organizations

Asian Association of Environmental Mutagen Societies (AAEMS)

Chinese Environment Mutagen Society (CEMS)

Organizers

School of Public Health, Qingdao University

School of Public Health, Sun Yat-sen University

Chairman

Jia Cao,

President of Asian Association of Environmental Mutagen Societies (AAEMS)

President of Chinese Environmental Mutagen Society(CEMS)

Honorary Chairman

Shu-jun Cheng Yang Ke Dong-xin Lin Masamitsu Honma (Japan)

Scientific Program Committee

Co-Chairs Wen Chen Tian-bao Zhang

Vice-Chairs Wei-dong Qu Wei Huang

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Zhi-hui Feng Amelia P. Guevara (Philippines) Ai-hua Gu Feng Hong

Wei Huang Yi-guo Jiang Hai-dong Kan Kwon-Wook Kang (Korea)

Ge-yu Liang Jian-meng Liu Huang-yuan Li Yang Luan Wen-jing Luo

Da-ru Lu Takehiko Nohmi (Japan) Shuang-qing Peng Jing-bo Pi

Radha Saraswathy (India) Malyn Ungsurungsie (Thailand) Yan-hong Wei

Li-jun Wu Yong-jun Wu De-xiang Xu Ya-jun Xu Yuan-yuan Xu
Masami Yamada (Japan) Xingfeng Yang Dian-ke Yu Hui-dong Zhang
Rong Zhang

Organizing Committee

Co-Chairs Yu-xin Zheng Wei-dong Hao

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Qiao Niu Lan-qin Shang Zhi-wei Sun Jing-long Tang Bao-en Shan
Qing Wang Xu Wang Xue-tao Wei Shuang Wu Wei-dong Wu
Li-hong Yin Wu Yao Ai-hua Zhang Li-shi Zhang Xiu-lan Zheng
Jin-ping Zheng Zhi-jun Zhou Jiang-bo Zhu

Congress Date and Venue

Date: November 5 - 6, 2022

Schedule outline:

November 5	Morning: Opening Ceremony & Keynote Lectures Afternoon: Symposia in English
November 6	Morning: Symposia in English Afternoon: Keynote Lectures & Closing Ceremony

ACEM/CEMS 2022 will be held in **Hybrid Format**: participants can join **In Person** at Qingdao, China or **Virtually** from home or work. **The keynote lectures and symposia in English will be held online and symposia in Chinese on-site has been postponed.** The working language of the congress is **English** and **Chinese**.

Scientific Program

Opening Ceremony/Keynote Lecture

Saturday, November 5, 2022	
8:30-9:00	Opening Ceremony Chair: Prof. Jia Cao
	Keynote Lecture (KL) Chairs: Prof. Yuepu Pu & Weidong Qu
9:00-9:50	KL-1 How AI Can Beat Animal Testing at Finding Toxic Chemicals as Potential Carcinogen. Prof. Thomas Hartung (Johns Hopkins University, United States)
9:50-10:40	KL-2 A Body Map of Somatic Mutagenesis in Morphologically Normal Human Tissues. Academician Dongxin Lin (Chinese Academy of Medical Sciences, China)
10:40-10:55	Coffee Break
10:55-11:45	KL-3 The Future of Genome Research in Asia. Prof. Masami Yamada (National Defense Academy, Japan)
11:45-12:25	KL-4 Applying an Integrative Approach for Risk Assessment on The Effects of Chemical Mixtures in The Context of Real-Life Risk Simulation. Academician Aristides M. Tsatsakis/Dr. Elisavet Renieri (University of Crete, Greece)
12:25-14:00	Lunch Break

Symposium 1

Saturday, November 5, 2022	
	<p>Symposium 1 (S1)</p> <p>Chairs: Prof. Yankai Xia & Yuanyuan Xu</p>
14:00-14:25	<p>S1-1 DNA Adduct Analysis and Cancer Prevention.</p> <p>Prof. Haruhiko Sugimura (Hamamatsu University, Japan)</p>
14:25-14:50	<p>S1-2 Discovery of Functional Link between DNA Double-strand Break Repair and the Early Transcriptional Response to the Sex Hormone.</p> <p>Prof. Shunichi Takeda (Shenzhen University, China)</p>
14:50-15:15	<p>S1-3 Paternal Environmental Stress: From Sperm Epigenome to Offspring Synapse Organization.</p> <p>Prof. Yankai Xia (Nanjing Medical University, China)</p>
15:15-15:40	<p>S1-4 The Emerging Role of Nfe2l1 in Carcinogenesis: Action as and Beyond a Transcription Factor.</p> <p>Prof. Yuanyuan Xu (China Medical University, China)</p>
15:40-15:55	<p>Coffee Break</p>
	<p>Symposium (S1)</p> <p>Chairs: Prof. Nan Sang & Yanhong Wei</p>
15:55-16:20	<p>S1-5 Enhanced Gastric Tumorigenesis by Accumulation of Tumor-Associated Macrophage in the Absence of Histamine Signal.</p> <p>Prof. Ki Taek Nam (Yonsei University, Korea)</p>
16:20-16:45	<p>S1-6 Maternal Cadmium Exposure During Gestation Impairs Hippocampal Neurogenesis and Cognition via Reducing Placenta-Derived Estrogen in Offspring.</p> <p>Prof. Hua Wang (Anhui Medical University, China)</p>

16:45-17:10	<p>S1-7 The Cardiovascular Toxicity of Aryl Organophosphate Flame Retardants in Embryonic Development.</p> <p>Prof. Yanhong Wei (Sun Yat-sen University, China)</p>
17:10-17:35	<p>S1-8 Injury Target, Toxic Effect and Molecular Mechanism of Atmospheric Pollutants from Coal-Burning Area.</p> <p>Prof. Nan Sang (Shanxi University, China)</p>

Symposium 2

Sunday, November 6, 2022	
	<p>Symposium 2 (S2)</p> <p>Charis: Prof. Dianke Yu & Da Chen</p>
8:30-8:55	<p>S2-1 QSAR Prediction of Ames Mutagenicity.</p> <p>Dr. Kiyohiro Hashimoto (Takeda Pharmaceutical, Japan)</p>
8:55-9:20	<p>S2-2 A Toxicity Pathway-Based Approach to Develop Adverse Outcome Pathway.</p> <p>Prof. Dianke Yu (Qingdao University, China)</p>
9:20-9:45	<p>S2-3 Development of Physiologically Based Pharmacokinetic (PBPK) Models Within Bayesian Framework for Perfluorooctane Sulfonate (PFOS) and Its Implications in the Derivation of Health-Based Toxicity Values.</p> <p>Research Assistant Prof. Wei-Chun Chou (University of Florida, United States)</p>
9:45-10:10	<p>S2-4 Analytical Development for Environmental Exposome Research.</p> <p>Prof. Da Chen (Jinan University, China)</p>
10:10-10:25	Coffee Break
	<p>Symposium 2 (S2)</p> <p>Chairs: Prof. Yang Luan & Tiantian Li</p>

10:25-10:50	<p>S2-5 Metabolic Mechanisms and Toxic Effects of Polycyclic Aromatic Hydrocarbons Regulated by CYP Enzymes Under Combined Pollution.</p> <p>Associate Prof. Kai Luo (Southeast University, China)</p>
10:50-11:15	<p>S2-6 Applying Multi-Omics Approach to Reveal the Lung Cancer Biomarker.</p> <p>Associate Prof. Ting Xiao (Chinese Academy of Medical Sciences and Peking Union Medical College, China)</p>
11:15-11:40	<p>S2-7 Airborne PM_{2.5} Exposome and Cardiovascular Health: A Population-based Integrated Methodology Establishment and Application.</p> <p>Prof. Tiantian Li (Chinese Center for Disease Control and Prevention, China)</p>
11:40-12:05	<p>S2-8 Integrated-Studies Interpreted Oligophagous Butterfly Tolerate to Strong Mutagen Aristolochic Acids.</p> <p>Prof. Yang Luan (Shanghai Jiao Tong University, China)</p>
12:05-14:00	Lunch Break

Keynote Lecture/Closing Ceremony

Sunday, November 6, 2022

	<p>Keynote Lecture (KL)</p> <p>Chairs: Prof. Shuangqing Peng & Jun Yang</p>
14:00-14:50	<p>KL-5 Effects of Circulating Small Extracellular Vesicle on Cancer Metastasis and Chemoresistance.</p> <p>Prof. Keon Wook Kang (Seoul National University, Korea)</p>
14:50-15:40	<p>KL-6 Air Pollution Exposure Mitigation and Health Intervention: Insights from Source-Specific Cardiorespiratory Impairments.</p> <p>Prof. Wei Huang (Peking University, China)</p>

15:40-15:55	Coffee Break
15:55-16:45	KL-7 IARC Monographs on the Identification of Carcinogenic Hazards to Humans. Dr. Federica Madia (The International Agency for Research on Cancer (IARC), France)
16:45-17:35	KL-8 DNA Demethylation and Environmental Health Effects. Prof. Hailin Wang (Chinese Academy of Sciences, China)
17:35-18:10	Closing Ceremony Chair: Prof. Jia Cao

Notice:

1. **ONLY** the registered participants, speakers, and invited members are allowed to join the online meeting. We will send the link of [Join Zoom Meeting](#) to your mailbox. Please don't share the link with other people. Please enter the online meeting rooms using **your full name**. You have to wait for the approval before getting into the meeting room.
2. For the Q & A, you could ask questions or leave the message after the speakers finish the presentation.

Call for Abstracts

The ACEM/CEMS 2022 Scientific Program Committee invites all individuals to submit abstracts.

Subjects (but not limited to):

DNA damage and repair	Environmental mutagenesis and genomic instability
Toxicity mechanisms of environmental chemicals	Genetic and health risk assessment of environmental chemicals
Exposure science and exposome	Genetics and epigenomics
Computational modeling and bioinformatic analysis	Applications of new technology and approach in mutagenesis

Submission Guidelines

1. All abstracts should be submitted online via the ACEM/CEMS 2022 website.
2. All abstracts should be written clearly **in English (with a title in both English and Chinese)** not more than 500 words, including title and abstract. The number of authors should be no more than 15 and the affiliated institutions should be no more than 3. Email address of the corresponding author should be provided. (The template and instructions for abstracts submission have been provided at the end of the announcement).
3. All submitted abstracts will be reviewed by the Scientific Program Committee. Notification of abstract acceptance and invitation of oral presentation will be sent to the corresponding author via e-mail.
4. Acknowledgment of your submission will be sent to your registered e-mail address for confirmation. You can update or modify your abstract on ACEM/CEMS 2022 website **prior to October 25, 2022.**
5. The deadline for abstract submission will be **EXTENDED to October 25, 2022.**

Poster Presentation Guidelines

1. The poster size for all paper posters is A0 portrait format, 841 mm x 1189 mm.
2. The posters are required to include the title (consistent with the title of abstract), authors, affiliated institutions and Email address of the corresponding author.
3. After receiving the notification of acceptance of poster, please send the final version of your poster (in PDF format) to [ACEM-2022@cnems.org.cn.](mailto:ACEM-2022@cnems.org.cn)

Registration Fees & Types

1. The participants are required to register **online**.
ACEM/CEMS website: <https://www.acemqd.com/>
2. Participants may register and pay registration fees online at the congress website.

Registration Fees:

Category	In-Person		Virtual	
	Overseas	Domestic	Overseas	Domestic

	participants	participants	participants	participants
CEMS member	\$300 USD	¥ 1, 800	\$50 USD	¥ 300
Non-member	\$300 USD	¥ 2, 100	\$50 USD	¥ 400
Student	\$200 USD	¥ 1, 000	\$40 USD	¥ 200

Registration Payment:

The registration fees should be paid through banking transfer. Payment must be made in US Dollars (USD).

Direct bank transfers should be made to the account below.

Intermediary Bank's Name:	Citi bank N.A., New York
SWIFT Code:	CITIUS33
Beneficiary's Banker's Name:	Bank of Qingdao
SWIFT Code:	QCCBCNBQ
Beneficiary's Name:	Shandong Teachange Education Consulting Co., LTD.
Beneficiary's Account NO. :	802130200942208
Beneficiary's Address:	Room 200-42, Block C, Qingdao Maker Street, No.306 Ningxia Road, Laoshan District, Qingdao City, Shandong Province
Zip code:	266100

Fees must be transferred under the registrant's name. The information of name and affiliation should be provided in Reference for beneficiary (RFB). All bank fees for remittance should be paid by the participant. Receipt of remittance will be sent by e-mail (ACEM-2022@cnems.org.cn) for confirmation. If you do not receive your payment confirmation letter via email, please contact the secretariat (ACEM-2022@cnems.org.cn).

Contacts us

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Attachment

Template/ Instructions for Abstracts of ACEM/CEMS 2022

Title of presentation [14pt, bold, middle]

Leave a blank line

Author(s), E-mail address [10.5pt, middle]

[Family name (First capital letters), given name (initial mid-name, if any); separated by comma(s), 10.5pt, plain text, middle; superscript star (*) for corresponding author, superscript a, b, c, et al. for different affiliations]

Affiliation(s) [10.5pt, middle]

[Department, School, University, Address, postal code, 10.5pt, plain text, middle]

[Different affiliations begin with a new line]

Abstract: free style, 12pt, plain text, 1.0Space (no more than 500 words)

Keywords: [no more than 5 Keywords, 10.5pt, bold]

All text in “Times New Roman”

Please keep your abstract in one page, thanks.