2018 (The 4th) International Conference on Toxicity Testing Alternatives and Translational Toxicology

&The 2nd Asian Congress on Alternatives

The 2nd Announcement

Alternatives and translational toxicology have growing critically in modern toxicology and risk assessment. Meanwhile, alternatives are increasingly demanding for regulatory acceptance in safety assessment sciences. More and more alternatives have been applied in the safety evaluation and risk assessment of chemicals, cosmetics and drugs. In order to promote the development and application of toxicity testing alternatives and translational toxicology in China, enhance the communication among academic researchers, industry and administration departments, and accelerate international communications overseas and collaboration, the 4th International Conference on Toxicity Testing Alternatives and Translational Toxicology & the 2nd Asian Congress on Alternatives will be held during Oct 9-12th, 2018 in Guangzhou, China.

HOSTS

The society of Toxicological Alternatives and Translational Toxicology (TATT), CSOT

The Society of Toxicity Testing and Alternative Methods, CEMS

Division of Health Toxicology, Chinese Preventive Medicine Association

Japanese Society for Alternatives to Animal Experiments, JSAAE

Korean Society for Alternatives to Animal Experiments, KSAAE

ORGANIZERS

Southern Medical University (SMU)

Guangdong Provincial Center for Disease Control and Prevention (GDCDC)

Institute of Disease Control and Prevention, PLA

Guangdong Society of Toxicology (GDST)

PRESIDENTS

Shuangqing Peng
PH.D, Professor, Institute of Disease Control and Prevention, PLA, Chair of The society of TATT

Yasuyuki Sakai
PH.D, Professor, Graduate School of Engineering, University of Japan, Chair of JSAAE

Eui-Bae Jeung
College of Veterinary Medicine, Chungbuk National University，Korea; Chair of KSAAE

CONFERENCE DATE AND VENUE

Conference Date: October 9th-12th, 2018

Conference Venue: Guangzhou Baiyun International Conference Centre

Address: Baiyun Avenue South 1039-1045, Baiyun District, Guangzhou, China

MAIN EVENTS

The conference will contain plenary lectures, 6 Parallel sessions, poster exhibition, etc. Keynote lectures and plenary lectures will be provided by national and international excellent experts in toxicity testing alternatives and translational toxicology. Scientific sessions will be mainly presented by young scholars and scientists under 40 years old will compete for ***"Outstanding Youth on Alternatives"***. An awarding ceremony will be held for the scientists wining CSOT-Unilever Toxicological Alternatives Excellent Contributors / Innovative Award.

The conference language will prefer to be in English (simultaneous interpretation provided).

CONFERENCE TOPICS (NOT LIMITED)

► **3R principles and life sciences**

Publicity and training of 3Rs principles; the principles and implementation of ethical

review; selection and optimization of humane endpoints; animal experiment alternatives technology; data evaluation and quality control; development of anesthesia and painless technique; stress biology and stress control; gene modification and genetically engineered animals.

► **Development and regulatory acceptance of toxicological alternatives**

The establishment of animal alternatives methods; alternatives methods validation; alternatives methods regulatory adoption; alternatives methods administration; Mutual Acceptance of Data (MAD); International coordination.

► **Cosmetics, food, drugs and chemicals toxicity alternatives application**

Skin sensitization; reproductive and developmental toxicity; target organ toxicity; carcinogenicity; safety evaluation of new biological materials.

► **New technology in translational toxicology**

Toxico-omics technology and application; exposure sciences, toxic substance exposure and relevance to risk of diseases; computational toxicology and toxicity prediction; high throughput screening; high content imaging and analysis; 3D cell culture; microfluidics technology; bioinformatics and technology.

► **Establishment and application of new toxicological models**

Chemicals property analysis (QSAR model, etc.); in vivo-in vitro data extrapolation (PBPK, ect.); chemicals induced disease animal model; stem cell and virtual organ model; in vitro metabolism model; Read-cross, threshold of toxicological concern.

► **Mode of action (MoA) and adverse outcome pathways (AOPs)**

Toxicity pathways identification and description; mode of action (MOA) and target toxic effects; apoptosis and autophagy; oxidative stress and inflammatory reaction; dose-response assessment; biomarkers; development and application of AOP; weight of evidence; toxicity pathway network data analysis; data integration and regulatory decision-making; toxicity database.

PRELIMINARY PROGRAM AND IMPORTANT DATE

Date	Time	Events
Oct, 9	08:30 – 21:00	Check in, Registration, one-day city sight

Tuesday		view in Guangzhou for VIP
	13:30 – 17:00	Continuing Education Courses
	15:30 – 17:30	Committee Meetings
	17:30 – 19:00	Dinner (Special treat)
	20:30 – 21:30	Committee Meeting
Oct, 10 Wednesday	08:30 – 09:00	Opening Ceremony
	09:00 – 17:15	Plenary talks
	17:15 – 18:15	Poster exhibition
	18:15 – 19:45	Awarding ceremony for CSOT-Unilever Toxicological Alternative Awards, Banquet
Oct, 11 Thursday	08:30 – 12:05	Parallel sessions
	14:00 – 16:45	Plenary talks
	16:45 – 17:15	Closing Ceremony
	20:00 – 21:30	Asian CA committee meeting

IMPORTANT DATE

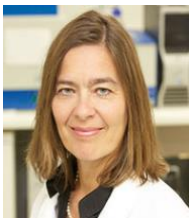
Aug 25th, 2018 Abstract submission and early bird registration

Sep 10th, 2018 On line registration and conference hotel reservation

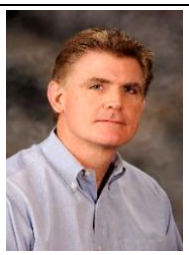
Oct. 9th, 2018 Check-in and *on-the-spot registration*

PART OF THE CONFIRMED SPEAKERS AND TOPICS

SPEAKERS	TOPICS

	**Anne Gourmelon** Test Guidelines Programme Environment Health and Safety Division, OECD	Development of toxicological evaluation methods in OECD
	**Bob vander Water** Division of Toxicology, Academic Centre for Drug Research, Leiden University, the Netherlands	The pan-European EU-ToxRisk project: integration of new approach methods for chemical safety assessment
	**Luonan Chen** Shanghai Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences	Detecting the tipping points of biological processes by dynamic network biomarkers
	**Cindy Afshari** Comparative Biology and Safety Sciences, Amgen	Integrative biology provides a model for evolving drug safety assessment
	**DanielebZink** Biomedical Research Council, Agency for Science,Technology and Research, Singapore	High-throughput prediction of organ-specific toxicities in humans
	**Ellen Fritsche** Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany	Stage-specific developmental neurotoxicity (DNT) testing with stem-/progenitor cell-based 3D models: contribution to the Adverse Outcome Pathway (AOP) Concept
	**Eui-Bae Jeung** College of Veterinary Medicine, Chungbuk National University , Korea	Embryoid body is a sensitive marker to detect embryo toxicants

	**Fiona Sewell** National Centre for the Replacement, Refinement and Reduction of Animals in Research, UK	Evidence-building to influence changes in regulations and guidelines: pioneering better science by applying the 3Rs
	**Gladys Ouedraogo** L'Oreal Research & Innovation, Aulnay Sous-Bios, France	Research on repeated dose systemic toxicity: what alternative tools?
	**Hajime Kojima** Div. of Risk Assessment, Biological Safety Research Center, National Institute of Health Sciences (NIHS), Japan	An introduction to the ICCR and Principles for the Safety Assessment of Cosmetic Ingredients
	**Joshua A. Harrill** National Center for Computational Toxicology (NCCT) U.S. Environmental Protection Agency	Development and Use of High-Content, High-Throughput Chemical Screening Assays at the US EPA National Center for Computational Toxicology
	**Catherine Willett** Senior Director, Regulatory Toxicology, Risk Assessment and Alternatives at the Humane Society International, US	Toward a human-specific paradigm for health research-harmonization of global efforts
	**Kyung-Min Lim** Graduate School of Pharmaceutical Sciences and College of Pharmacy, EwhaWomans University, Korea	Employment of 3D tissue models for the safety evaluation of cosmetics and chemicals
	**Maurice Whelan** European Commission, Joint Research Centre (JRC)	ICATM & OECD update - work plan, international coordination & 'me too' policy'

	**Paul Carmichael** Safety & Environmental Assurance Centre of Unilever, UK	Case studies from the consumer products Industry in Next Generation Risk Assessment (NGRA)
	**Peter J. Boogaard** Shell Health - Global Risk Sciences Team, Netherlands； Division of Toxicology, Wageningen University	A battery approach to investigate prenatal developmental toxicity in vitro - potency and MoA
	**ShigehiroOhdo** Graduate School of Pharmaceutical Sciences, Kyushu University,Japan	Chronochemical biology for cell-based chemical screening strategy to identify small molecules
	**Shuangqing Peng** Institute of Disease Control and Prevention, PLA	Toxicity testing alternatives and translational toxicology in China: progress, challenge, and opportunity in future
	**Warren Casey** National Toxicology Program Interagency Center for the Evaluation of Alternative Toxicological Methods, USA	Incorporating New Technology into Modern Risk Assessment; A New Path Forward, Together
	**Yasuyuki Sakai** Department of Chemical System Engineering, Graduate School of Engineering, University of Japan, Japan	Oxygen-permeable membrane-based 3D hierarchical cocultures of various liver-derived cells as a new 3D liver tissue model
	**Yunfang Wang** Academy of Military Medical Sciences	Investigation of Drug-Induced Liver Injury by using hepatic stem cell and tissue engineered whole liver organ

CONTINUING EDUCATION COURSES

EC I. Introduction to AOP and Hands-on Training on AOP Wiki (Co-Organizer: Humane Society International)

This session is aimed to enhance the understanding of AOP principles and applications. Gain proficiency with the new safety evaluation paradigm rationale and regulatory practice. The course will provide a brief overview of the AOP concept, the OECD AOP development program and guidance, followed by a guided demonstration of the latest version of the AOP-Wiki (2.2) deployed on January 28, 2018. Several cases of AOP development and use will be presented. A pragmatic training program will enable the combination of theory and practice.

EC II. Read-Cross: case studies, new techniques, and guideline for practical application (Co-Organizer: Association of International Chemical Manufactures)

This course will update participants on those efforts and provide practical guidance for conducting read-across for regulatory use, including across different regulatory regions. Speakers will present experience-driven case studies to share best practices and communicate the state-of the-art for structure-based read-across, while looking ahead at how results from New Approach Methodologies including in vitro, "omics," and high throughput/content methods may be incorporated into a read across to improve its outcome.

EC III. OECD Test Guide 492 on In Vitro Eye Stimulation Test Method Analysis and Demonstration Practical Training (Co Organizer: LOREAL)

PARALLEL SESSIONS

- "3R" principle and development of alternatives
- Application and regulatory acceptance of alternatives
- New toxicological models and translational toxicology
- Mechanism-based risk assessment and adverse outcome pathways
- Young investigators forum (Competition for Outstanding Youth on Alternatives)
- Use of New Approach Methodologies (NAM) in Next Generation Risk Assessment (NGRA)

ABSTRACT SUBMISSION

Abstracts calling for this conference can be either in Chinese or in English. Abstract is restricted to 500 words, including title, authors (full name, institutional address and

postal code) and contact information for corresponding author especially email address. Chinese paper abstract refers to objective, methods, results and conclusions. No special requirements are made for abstracts of review and English paper. Text format is as follow: 1.5-spaced; 12-point for main text, 14-point for title and "Abstract"; Song font for Chinese, Times New Roman font for English; title, "Abstract", "Objective", "Methods", "Results" and "Conclusions" must be in bold font; A4 page. Please minimize the use of abbreviations and do not use charts.

CONFERENCE FEES

Registration Category		Before Aug. 15th	After Aug. 15th
Overseas (US dollars)	Regular Participant	300 $	340 $
	Students	200 $	270 $
	Accompanying Person	180 $	

NOTES: student representative refers to doctoral candidate, master candidate and undergraduate students, when registering they need to issue a valid student ID card or relevant certificates. **Onsite cash only!** **Overseas representatives can pay US dollars or equal amount of RMB.** No credit cards and business cards. Recommend remittance in advance, please in the remittance note in the comments "Conference on Toxicity Testing Alternatives". Conference registration fee is mainly used for renting venue meeting, conference facilitates, simultaneous interpretation and conference documents, etc. The representatives take the expenses of travelling and accommodation by themselves.

Bank transfer: Chinese society of toxicology remittance account
Account name: Chinese society of toxicology
Account bank: Yongding Road Branch of ICBC Beijing Branch
Account number: 0200004909014450531

HOUSING

Conference hotel: Baiyun International Convention Center
Cost: 500 RMB per day for each room (single/double)
Address: 1039-1045 Baiyun avenue south, Baiyun district, Guangzhou, China
Website: http://www.gzbicc.com/
E-mail: bybicc_office@gzbicc.com
Tel: +86 020-88800888

Hosts of the conference have negotiated with Baiyun International Convention Center to offer discounted room for participants, but the amount is limited, so register and book early to secure your preferred room. Other nearby hotels should be reserved by participants themselves. Notably, all the participants need to go to hotel and meeting venue by themselves. Traffic information and hotel map are attached.

CONTACT US

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Website: for more information and update about the conference, please visit the website at www.tattcsot.org (English) or www.chntox.org (Chinese).

TRAFFIC INFORMATION

Guangzhou railway station to Baiyun International Convention Center (20min): taking subway (line 2) to Baiyun culture square station (exit C).

Guangzhou Baiyun airport to Baiyun International Convention Center (40min): taking subway (line 3) to Jiahewanggang station, then transfer to line 2 to go to Baiyun culture square station (exit C).

Guangzhou South Railway Station to Baiyun International Convention Center (50min): taking subway (line 2) to Baiyun culture square station (exit C).

HOTEL MAP


广州白云国际会议中心
体育公园
南岗村
南洲
大朗村
里水立交
S303
G4W2
南湖游乐园
张屋
二环北路
二环东路
里水镇
草场社区
马岗社区
白云社区
S41
白云山风景区
南方医科大学
S82
西洲社区
广州体育馆
中国科学院
华南植物园
S15
白云区
下亭田
长迈体育馆
麓湖公园
黄村立交
飞鹅岭游览区
广园快速路
西场立交
西环高速
正佳广场
商贸旅游区
越秀区
天河区
地铁5号线
S81
荔湾区
广州文化公园
国际会展中心码头
永兴街码头
中山大学
新港东立交
十香园
新洲立交桥