

## Scientific Program At A Glance

*\*All session times below are displayed in Beijing Time*

Wednesday, 20 October		Room
08:00-20:00	<b>Registration</b>	Hotel Lobby
Thursday, 21 October		
09:00-09:30	<b>Opening Ceremony</b>	Baosheng Hall
09:30-11:40	<b>Plenary Lecture</b>	Baosheng Hall
12:00-13:30	<b>Lunch Break ( Virtual ) : Exhibition &amp; Poster Viewing/Discussion</b>	
	<b>Meeting 1 (Baosheng Hall 1 )</b>	<b>Meeting 2 (Baosheng Hall 2 )</b>
13:30-15:10	<b>Session 01</b> Predictive and Computational Toxicology	<b>Session 02</b> Clinical Toxicology
15:30-17:30	<b>Session 03</b> Reproductive and Developmental Toxicology	<b>Session 04</b> Organ Chips and Organoids in Toxicology
Friday, 22 October		
	<b>Meeting 1 (Baosheng Hall 1 )</b>	<b>Meeting 2 (Baosheng Hall 2 )</b>
08:00-10:00	<b>Session 05</b> COVID-19 Vaccines and Therapeutics: from Industry to Regulatory Perspectives	<b>Session 06</b> Nonclinical Safety Testing Strategy of Novel Therapies

10:10-12:00	<b>Session 07</b> ICH M7 Principals and Nitrosamines	<b>Session 08</b> Alternative Toxicity Testing	
12:00-13:30	<b>Lunch Break (Virtual) : Exhibition &amp; Poster Viewing/Discussion</b>		
13:30-15:20	<b>Session 09</b> Chemical Stewardship through Sustainability Lenses	<b>Session 10</b> Toxicology & Epigenetics Biomarkers and Cancer	
15:30-17:30	<b>Session 11</b> Nanotoxicology	<b>Session 12</b> Gut Microbiota and Toxic Effects of Pollutants	
<b>Saturday, 23 October</b>			
08:30-11:00	<b>Plenary Lecture</b>		Baosheng Hall
11:00-11:20	<b>Closing Ceremony</b>		Baosheng Hall

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<b>Thursday, 21 October</b>			<b>Room</b>
09:00-09:30	<b>Opening Ceremony</b>		Baosheng Hall
	<b>Plenary Lecture (PL)</b>	<b>Chairs: Yuepu Pu, TBA</b>	
09:30-10:00	<b>PL-1</b> Toxicology in Asia-Past, Present, and Future <b>Tetsuo Satoh</b> (ATS, EDJSOT, Emeritus Prof. Chiba University)		

10:00-10:30	<b>PL-2</b> The progress of clinical trials of COVID-19 vaccine <b>Fengcai Zhu</b> (Jiangsu Provincial center for disease control and prevention )	
10:30-10:40	<b>Virtual Coffee Break</b>	
10:40-11:10	<b>PL-3</b> Data driven candidate-drug safety assessment in large pharma – challenges and opportunities <b>Lalit Kumar Verma</b> ( Director of Non-Clinical Safety Data Science at Janssen)	
11:10-11:40	<b>PL-4</b> Evolution of Food Risk Assessment: From Public Policy Making to Personal Healthy Choice <b>Hoonjeong Kwon</b> (Seoul National University)	
12:00-13:30	<b>Lunch Break (Virtual), Exhibition &amp; Poster Viewing/Discussion</b>	
	<b>S1: Predictive and Computational Toxicology</b> <b>Chair: Yamada Takashi, Jingwen Chen</b>	Baosheng Hall 1
13:30-13:50	Deep Learning on Molecular Structure for Estrogen Receptor Agonism of Chemicals <b>Aiqian Zhang</b> (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences)	
13:50-14:10	Development and Improvement of in silico approaches for accelerating regulatory chemical risk assessment <b>Takashi Yamada</b> (National Institute of Health Sciences in Japan)	
14:10-14:30	Machine learning as a powerful tool to analyze complicated biological responses <b>Xiangang Hu</b> (College of Environmental Science and Engineering, Nankai University)	
14:30-14:50	<b>Kwon Soga</b> (Procter & Gamble, Korea)	
14:50-15:10	Could superoxide radical be implemented in decontamination processes? <b>Ruiyang Xiao</b> (Institute of Environmental Engineering, School of Metallurgy and Environment, Central South University)	
	<b>S2: Clinical Toxicology</b> <b>Chairs: Chen-Chang Yang, Wei Song</b>	Baosheng Hall 2
13:30-13:50	Toxicoepidemiologic Studies Using Poison Control Center Data and Other Databases <b>Sahaphume Srisuma</b> ( Division of Toxicology & Clinical Pharmacology, Department of Internal Medicine, Ramathibodi Hospital, Bangkok, Thailand)	

13:50-14:10	<b>Christopher Hoyte</b> (Rocky Mountain Poison Center, Toxicology Clinic, University of Colorado Hospital)	
14:10-14:30	Pros and cons of using claims data in epidemiologic studies of acute poisoning: CO poisoning as an example. <b>Chen-Chang Yang</b> (Institute of Environmental & Occupational Health Sciences, School of Medicine, National Yang Ming Chiao Tung University)	
14:30-14:50	Epidemiological Study on Poisoning in Mainland China <b>Chengye Sun</b> (Chinese Center for Disease Control and Prevention)	
14:50-15:10	pancreatic injury after paraquat ingestion <b>Li Yi</b> (Peking Union Medical College Hospital)	
	<b>Virtual Coffee Break, Exhibition &amp; Poster Viewing/Discussion</b>	
	<b>S3: Reproductive and Developmental Toxicology</b> <b>Chairs: Tsuyoshi Nakanishi, Li Zhou</b>	Baosheng Hall 1
15:30-15:50	Molecular and cellular mechanisms of androgen-driven sex differentiation in murine external genitalia: Toward to insights into the reproductive organ toxicology. <b>Kentaro Suzuki</b> (Wakayama Medical University)	
15:50-16:10	Assessment of developmental toxicity caused by organophosphate triesters and their metabolites using zebrafish <b>Akira Kubota</b> (Obihiro University of Agriculture and Veterinary Medicine)	
16:10-16:30	Effects of glufosinate-ammonium on male reproductive health: Focus on epigenome and transcriptome in mouse sperm	
16:30-16:50	Exposure to BPS exerts cytotoxic effect on mouse Leydig cells: involvement of mitochondrial dysfunction and defective mitophagy <b>Dalei Zhang</b> (School of Basic Medical Sciences, Nanchang University)	
16:50-17:10	A Weight of Evidence Assessment of Developmental and Reproductive Toxicity of Diisononyl Phthalate under GHS <b>Hanjun Zou</b> (ExxonMobil (China) Investment Co., Ltd.)	
	<b>S4: Organ Chips and Organoids in Toxicology</b> <b>Chairs: Paul Vulto, Lijie Fu</b>	Baosheng Hall 2

15:30-15:40	Session introduction <b>Lijie Fu (CST) and Jos Joore (MIMETAS)</b>	
15:40-16:00	TBA, <b>Bas Trietsch (MIMETAS)</b>	
16:00-16:30	TBA, <b>Michael Bscheider (Roche Innovation Center Basel)</b>	
16:30-17:00	TBA, <b>Ohbuchi, Masato (Astellas Pharma Inc.)</b>	
17:00-17:30	3D Bioprinting: from Organ Models to Tissues Repair <b>Yong He (Mechanical Engineering, Zhejiang University)</b>	
<b>Friday, 22 October</b>		
	<b>S5: COVID-19 Vaccines and Therapeutics: from Industry to Regulatory Perspectives</b> <b>Chair: Nan Mei, Yongbin Zhang</b>	Baosheng Hall 1
8:00-8:10	The introduction of SOT and AACT <b>Yongbin Zhang</b>	
8:10-8:40	Overview of non-clinical safety assessment for antiviral drugs and vaccines development <b>Hanan Ghantous (FDA/CDER, USA)</b>	
8:40-9:10	Non-clinical safety assessment for preventative vaccines development <b>Nabil Al-Humadi (FDA/CBER, USA)</b>	
9:10-9:35	Rapid development of REGN-COV2, an anti-spike antibody cocktail for treatment and prevention of COVID-19 <b>Matt Y. Liu (Regeneron Pharmaceuticals, USA)</b>	
9:35-10:10	Development of mRNA COVID-19 vaccine BNT162b2 in China <b>Aimin Hui (FosunPharma, China)</b>	
	<b>S6: Nonclinical Safety Testing Strategy of Novel Therapies</b> <b>Chair: Jack Xie</b>	Baosheng Hall 2
8:00-8:30	Gene therapy and potential safety considerations: Focus on genome integration <b>Jing Yuan (Pfizer)</b>	

8:30-9:00	Safety assessment of CART <b>Tiomthy Maclachian</b> (Novartis)	
9:00-9:30	Nonclinical development and FIH enabling of bispecific antibodies <b>Ryan Meng</b> (Janssen China R&D)	
9:30-10:00	Safety assessment strategies and key considerations for oligonucleotides <b>Tianyi Jiang</b> (Roche Innovation Center Shanghai)	
	<b>Virtual Coffee Break</b>	
10:10-10:30	<b>S7: ICH M7 Principals and Nitrosamines</b> <b>Chair: Joanne Birkebak</b>	Baosheng Hall 1
10:30-10:50	Introduction-TBD <b>Andreas Hartmann</b> (Novartis)	
10:50-11:10	Assessment of nitrosamines in Ames assay <b>Andreas Czich</b> (Sanofi, the Preclinical Safety Operational Center in Frankfurt)	
11:10-11:30	Derivation of acceptable intakes for nitrosamines: structural groups and compound-specific limites <b>Michelle Kenyon</b> (Pfizer Research and Development in Groton)	
11:30-11:50	Considerations for less than lifetime approach <b>Alejandra Trejo-Martin</b> (Gilead Sciences)	
	<b>S8: Alternative Toxicity Testing</b> <b>Chair: Shuangqing Peng, Hajime Kojima</b>	Baosheng Hall 2
10:10-10:30	Alternative methods for developmental and reproductive toxicity testing regarding ICH S5(R3) <b>Hajime Kojima</b> (Japanese Center for the Validation of Alternative Methods, Center for Biological safety and Research, National Institute of Health Sciences, Japan)	
10:30-10:50	Generation of hierarchical vascularized in vitro tissues based on assembloid printing technology <b>Yuan Pang</b> (Department of Mechanical Engineering, Tsinghua University)	
10:50-11:10	SkinEthic™ HCE Time-to-Toxicity testing method for subcategorization of eye irritation <b>Vivien Liu</b> (L'OREAL China R&I Center)	

11:10-11:30	Animal alternatives in neurotoxicological research <b>Sheikh Raisuddin</b> (Department of Medical Elementology & Toxicology;Hamdard University, New Delhi, India)	
11:30-11:50	Establishment and application of in vitro evaluation model for hepatic developmental toxicity based on Wharton's Jelly stem cells <b>Hao Kou</b> (Zhongnan Hospital of Wuhan University)	
	Integration of in vitro toxicity testing and in silico modeling in chemical risk assessment <b>Jiabin Guo</b> (Centers for Disease Control and Prevention)	
	<b>Lunch Break (Virtual), Exhibition &amp; Poster Viewing/Discussion</b>	
	<b>S9: Chemical Stewardship through Sustainability Lenses</b> <b>Chair: Salmaan Inayat-Hussain</b>	Baosheng Hall 1
13:30-13:40	Introduction by session chair <b>Salmaan Inayat-Hussain</b> (PETRONAS, Malaysia)	
13:40-14:05	Corporate Sustainability Assessment through the lens of ESG <b>Manjit Jus</b> (S&P Global, Switzerland, TBC)	
14:05-14:30	Key considerations on Selection of Safer Chemical Alternatives <b>Bob Diderich</b> (OECD, France, TBC)	
14:30-14:55	Green growth through strengthening of the ecosystem and health governance <b>Kakuko Nagatani-Yoshida</b> (UNEP,Thailand ,TBC)	
14:55-15:20	Designing for a Green Chemistry Future <b>Julie Zimmerman</b> (Yale University, USA ,TBC)	
	<b>S10: Toxicology &amp; Epigenetics Biomarkers and Cancer</b> <b>Chair: Jun Kanno, Yiguo Jiang</b>	Baosheng Hall 2
13:30-13:50	Histone Modification, DNA Methylation, and mRNA Expression Analysis of Murine Liver Repeatedly Exposure to a Chemical <b>Jun Kanno</b> (Division of Cellular and Molecular Toxicology, Center for Biological Safety Research, NIHS, Kawasaki,	

13:50-14:10	Role of non-coding RNAs in malignant 16HBE cells transformed by anti-benzopyrene-trans-7,8-dihydrodiol-9,10-epoxide <b>Yun Zhou</b> (Guangzhou Medical University)	
14:10-14:30	Value of twin and family studies in environmental epigenetic research <b>Shuai Li</b> (The University of Melbourne)	
14:30-14:50	Novel hepatotoxicity biomarkers of exosomal miRNAs acutely induced by CCl4 <b>Ryuichi Ono</b> (National Institute of Health Science)	
14:50-15:10	Epigenotoxicity and Cancer and Related Diseases: Future perspectives <b>Mohammad Abdollahi</b> (Tehran University of Medical Sciences)	
15:10-15:30	Toxicology and Epigenetics Biomarkers for Arsenic-induced Cancer: A population based study from West Bengal, India <b>Dipika Bhattacharjee</b> (University of Calcutta)	
	<b>S11: Nanotoxicology</b> Chair: <b>Chunying Chen, Puchun Ke</b>	Baosheng Hall 1
15:30-15:50	All roads lead to Rome, diverse mechanisms of nanomaterial-induced cell death <b>Tian Xia</b> (University of California, Los Angeles, Medicine)	
15:50-16:10	Understanding the aggregation and toxicity of amyloid proteins <b>Puchun Ke</b> (Monash Institute of Pharmaceutical Sciences, Monash University)	
16:10-16:30	Use of nano/bio principles to design safer nanomedicine <b>Huang Meng</b> (National Center for Nanoscience and Technology)	
16:30-16:50	The biological effect and safety evaluation method of oral ingestion of nanoparticles <b>Yan Li</b> (University of Shanghai for Science and Technology)	
16:50-17:10	Cell-nanoparticle interactions and their implications for nanotoxicity <b>Angela Ivask</b> (Institute of Molecular and Cell Biology, Tartu University, Estonia)	
	<b>S12: Gut Microbiota and Toxic Effects of Pollutants</b> Chair: <b>Ruixue Huang</b>	Baosheng Hall 2



15:30-15:50	Gut microbiota and diseases <b>Saijun Fan</b> (Chinese Academy of Medical Sciences and Peking Union Medical College)	
15:50-16:10	Cancer risk of space radiation environment and its regulation by lncRNAs <b>Guangming Zhou</b> (Shuzhou University)	
16:10-16:30	PAHs and cancer <b>Zhihui Feng</b> (Shandong University)	
16:30-16:50	Radiation and gut microbiota <b>Ruixue Huang</b> (Central South University)	
16:50-17:10	Gut microbiota, metabolism and obesity <b>Cheng-Yuan Kao</b> (National Health Research Institutes)	

Saturday, 23 October		
	<b>Plenary Lecture(PL)</b>	<b>Chairs: Hua Li, TBA</b>
08:30-9:00	<b>PL-5</b> Human organs-on-a-chip: a new trend of toxicity testing alternatives <b>Zhongze Gu</b> (School of Biological Science and Medical Engineering, Southeast University)	Baosheng Hall
09:00-09:30	<b>PL-6</b> Adaptive response and protection against electrophilic stress <b>Yoshito Kumagai</b> (University of Tsukuba)	
09:30-09:40	<b>Virtual Coffee Break</b>	
09:40-10:10	<b>PL-7</b> Certification and Recognition of Toxicologists in China <b>Lijie Fu</b> (Chinese Society of Toxicology)	
10:10-10:40	<b>PL-8</b> Advanced glycation end products and diabetic retinopathy: The possible molecular mechanisms involved in angiogenesis effects <b>Meei-Ling Sheu</b> (National Chung Hsing University, Taichung)	
10:40-11:00	<b>Closing Ceremony</b>	