THE 16TH GLOBAL SUMMIT ON REGULATORY SCIENCE (GSRS26)
ANNUAL CONFERENCE

China People's Palace Hotel, Beijing, China
2–4 September 2026

Emerging Technologies and Intelligent Regulation

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CONFERENCE PROGRAM

All times are local.

Day 0 — Wednesday, 2 September 2026

11:00–18:00	**REGISTRATION**
13:30–16:30	**PRE-CONFERENCE WORKSHOP:** **ADVANCING HEALTH THROUGH INNOVATION AND EMERGING TECHNOLOGIES IN ASIA** Co-Chairs: Hairuo Wen, PhD, Deputy Chief, Division II of Toxicology, Institute of Safety Evaluation, National Institutes for Drug Control (NIDC), China; Yongbin Zhang, DVM, PhD, Vice President & Global Head of Toxicology, WuXi AppTec, China
13:30–14:00	**Research to Ensure the Safety of Oligonucleotide Therapeutics** Tokuyuki Yoshida, PhD, Section Chief, Section II, Division of Molecular Target and Gene Therapy Products, National Institute of Health Sciences (NIHS), Japan
14:00–14:30	**Preclinical Safety Evaluation and Key Concerns for Cell Therapy Products** Ying Huang, PhD, Deputy Chief, Division I of Toxicology, Institute of Safety Evaluation, National Institutes for Drug Control (NIDC), China
14:30–15:00	**Innovative Toxicology Applications: A CRDMO Perspective** Yongbin Zhang, DVM, PhD, Vice President & Global Head of Toxicology, WuXi AppTec, China
15:00–15:30	**Break**
15:30–16:00	**Research on Regulatory Science of Traditional Chinese Medicine** Lixing Nie, PhD, Professor, Institute for Control of Chinese Traditional Medicine and Ethnic Medicine, National Institutes for Drug Control (NIDC), China
16:00–16:30	**Nuclear Magnetic Resonance-Based Quantitative Technique for Reagents Used for Assays of Herbal Medicines** Michiho Ito, PhD, Head, Division of Pharmacognosy, Phytochemistry and Narcotics, National Institute of Health Sciences (NIHS), Japan

Day 1 — Thursday, 3 September 2026

7:00–18:00	**REGISTRATION**
8:30–9:00	**OPENING REMARKS** Chair: Qingli Wang, PhD, Deputy Director General, National Institutes for Drug Control (NIDC), China • National Medical Products Administration (NMPA), China • Global Coalition for Regulatory Science Research (GCRSR) Chair: Tucker Patterson, PhD, Director, National Center for Toxicological Research, Food and Drug Administration (FDA), United States
9:00–12:00	**PLENARY SESSION: PREPARING REGULATORY SCIENCE FOR TOMORROW** Co-chairs: Tucker Patterson, PhD, Director, National Center for Toxicological Research, Food and Drug Administration (FDA), United States; Philippe Girard, PhD, Deputy Executive Director, Swissmedic, Switzerland (TBC)
9:00-9:30	**Regulatory Science in China: Strategies and Regulatory Modernization** Fudong An, PhD, Director General, National Institutes for Drug Control (NIDC), China
9:30-10:00	**Regulatory Innovation: AI Adoption and Applications in FDA's Human Foods Program** Steven Musser, PhD, Associate Commissioner, Human Foods Program, Food and Drug Administration (FDA), United States
10:00-10:30	**Break**
10:30-11:00	**From AI Experimentation to Regulatory-Grade Adoption: EFSA's Path to Trustworthy, Human-Led AI** Didier Verloo, DVM, Head of Knowledge, Innovation, and Partnership Management (KNOW) Unit, European Food Safety Authority (EFSA), Italy
11:00-11:30	**Regulatory Science, How EMA Prepares for the Innovation of Tomorrow** Emmanuel Cormier, PhD, Head of the Regulatory Science and Innovation Task Force, European Medicines Agency (EMA), Netherlands
11:30-12:00	**New Approach Methods at FDA and NCTR: Bridging Emerging Science and Regulatory Decision-Making** Tucker Patterson, PhD, Director, National Center for Toxicological Research, Food and Drug Administration (FDA), United States
12:00–13:30	**Break**
13:30–15:40	**SESSION 1: AI FOR THE FUTURE OF REGULATORY SCIENCE AND TOXICOLOGY** Co-chairs: Weida Tong, PhD, Director, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Food and Drug Administration (FDA), United States; Zhan Yuin ONG, PhD, Branch Head, National Centre for Food Science, Singapore Food Agency, Singapore
13:30-14:00	**Shaping the Future of Toxicology with AI** Thomas Hartung, PhD, Chair, Johns Hopkins Center for Alternatives to Animal Testing, Johns Hopkins Bloomberg School of Public Health, United States; Professor, University of Konstanz, Germany
14:00-14:20	**From Regulator to Innovator: Lessons Learned Applying AI in Highly Regulated Environments** Michael Renaudin, Co-founder, Veanu, Switzerland
14:20-14:40	**Expert-driven Workflows for LLM-assisted Toxicological Risk Assessment**

	Christian Novello, Associate Consultant, Innovatune, Italy
14:40-15:00	**Virtual Clinical Trials: A Tissue-Scale Population Platform for Arrhythmia Risk and Drug Safety** Zhen Song, PhD, Director, Institute of Intelligent Systems and Application Innovation, Peng Cheng Laboratory, China
15:00–15:20	**AI-Enabled Drug Safety: A Regulatory Science Perspective from FDA** Weida Tong, PhD, Director, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Food and Drug Administration (FDA), United States
15:20–15:40	**From V3 to In Silico: One Validation Architecture for Digital and Computational NAMs** Szczepan Baran, DVM, PhD, Chief Scientific Officer, Instem, United States
15:40-16:00	**Break**
16:00-17:30	**SESSION 2: PANEL DISCUSSION: ARE NAMS READY FOR REGULATORY SCIENCE?** **Moderators**: • Supriya Sharma, MD, MPH, Chief Medical Advisor, Health Canada, Canada • Weida Tong, PhD, Director, Division of Bioinformatics and Biostatistics, FDA/NCTR, United States **Panel**: • Thomas Hartung, PhD, Chair, Johns Hopkins Center for Alternatives to Animal Testing, Johns Hopkins Bloomberg School of Public Health, United States; Professor, University of Konstanz, Germany • Emmanuel Cormier, PhD, Head of the Regulatory Science and Innovation Task Force, European Medicines Agency (EMA), Netherlands • Steven Musser, PhD, Associate Commissioner, Human Foods Program, Food and Drug Administration (FDA), United States • Madhu Nag, PhD, Chief Scientific Officer, InSphero AG, United States
17:30–19:30	**WELCOME RECEPTION & POSTER PRESENTATIONS**

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Day 2 — Friday, 4 September 2026

7:00–17:00	**REGISTRATION**
8:30–12:00	**SESSION 3: MICROPHYSIOLOGICAL SYSTEMS AND NEW APPROACH METHODOLOGIES FOR NEXT-GENERATION REGULATORY SCIENCE** Co-chairs: Didier Verloo, DVM, Head of Knowledge, Innovation, and Partnership Management (KNOW) Unit, European Food Safety Authority (EFSA), Italy; Xiaobing Zhou, PhD, Deputy Director, Institute of Safety Evaluation, National Institutes for Drug Control (NIDC), China
8:30–8:50	**Advancing Regulatory Science Practices for NAMs in China** Xiaobing Zhou, PhD, Deputy Director, Institute of Safety Evaluation, National Institutes for Drug Control (NIDC), China
8:50–9:10	**Organ-on-Chip Approaches in Regulatory Science: Experience from BfR** Philip Marx-Stoelting, PhD, Scientific Director, Testing and Assessment Strategies Unit, German Federal Institute for Risk Assessment (BfR), Germany
9:10–9:30	**Use of NAMs in Food Safety Risk Assessment in China** Hui Yang, PhD, Deputy Director, Toxicology Laboratory, China National Center for Food Safety Risk Assessment (CFSA), China
9:30–9:50	**NAMs: A Two-Way Journey Between Regulators and Industry** Z. Alex Xu, PhD, Founder and CEO, Axter Therapeutics, China
9:50–10:10	**Co-Creating Confidence Building the NAMs Evidence Base *With* Regulators, Not *For* Them.** Madhu Nag, PhD, Chief Scientific Officer, InSphero AG, United States
10:10–10:40	**Break**
10:40–11:00	**Development of a First-Pass Effect Model Using the Gut-Liver-on-Chip and Japanese Efforts Toward Proposing an Organisation for Economic Co-operation and Development Guideline** Daiju Yamazaki, PhD, Section Chief, Division of Pharmacology, National Institute of Health Sciences (NIHS), Japan
11:00–11:20	**Environmental Health Applications of NAMs: Organ-on-Chip Systems and Their Relevance in Regulatory Contexts** Tommaso Serchi, PhD, Head of Environmental Health Group - Environmental Sustainability Assessment and Circularity Research Unit, Luxembourg Institute of Science and Technology (LIST), Luxembourg
11:20–11:40	**Targeting the Blood-Brain Barrier via New Approach Methodologies: A New Paradigm for Central Nervous System Safety and Efficacy** Kaoru Sato, PhD, Lab Head, Laboratory of Neuropharmaclogy, National Institute of Health Sciences (NIHS), Japan
11:40–12:00	**NAMs-Related Technologies; Trends in Standardization of Microphysiological Systems** Hiroki Nakae, PhD, Director General, Japan Bio-Measurement and Analysis Consortium (JMAC), Japan
12:00–13:30	**Break**
13:30–17:00	**SESSION 4: NANOTECHNOLOGIES** Co-chairs: Anil Patri, PhD, National Center for Toxicological Research, Food and Drug Administration (FDA), United States: Xingchao Geng, PhD, Director, Institute for Biological Products Control, National Institutes for Drug Control (NIDC), China

	Development of New Therapeutics via Nanotechnology-Enabled Delivery Guangjun Nie, PhD, Principal Investigator and Deputy Director, National Center for Nanoscience and Technology (NCNST), China
	Analytical Strategies for LNP-RNA Characterization Luigi Calzolai, PhD, Project Leader, European Commission, Joint Research Centre (JRC), Italy
	Nanomedicine Validated in Phase 1 Translating Quality by Design into Human Safety Rana Sanyal, PhD, Professor, Bogazici University Center for Targeted Therapy Technologies, Istanbul, Türkiye; RS Research Inc., Teknopark Istanbul, Istanbul, Türkiye
	Break
	Title (TBD) Jiancheng Wang, PhD, Professor, Department of Pharmaceutics, School of Pharmaceutical Sciences, Peking University, China
	Establishing Harmonised and Standardised Workflows for the Detection and Characterisation of Microplastics and Nanoplastics in Water and Food to Support Safety Assessment Dingyi Yu, PhD, Specialist Team Lead, Singapore Food Agency (SFA), Singapore
	Korea's Advances in Micro- and Nanoplastic Metrology, from Rapid Detection to Hazard Assessment Ik Hwan Kwon, PhD, Senior Researcher, Nanobio Measurement Group, Division of Biomedical Metrology, Korea Research Institute of Standards and Science (KRISS), Daejeon, Republic of Korea
17:00–17:30	**CLOSING REMARKS & ANNOUNCEMENT OF GSRS27** • Qingli Wang, PhD, Deputy Director General, National Institutes for Drug Control (NIDC), China • A/Prof. Joanne Chan, Centre Director, National Centre for Food Science, Singapore Food Agency, Singapore