



MINISTRY OF FOOD AND DRUG SAFETY
National Institute
of Food and Drug Safety Evaluation



HUMANE SOCIETY
INTERNATIONAL



<Webinar for Promotion of Development, Distribution and Use of Alternatives to Animal Testing Methods>

Integrated Approaches to Testing and Assessment (IATA) - The Future of Regulatory Toxicology Assessment

Hosted in Republic of Korea

Online Webinar

22 October 2020

<https://www.afsacollaboration.org/event/>

Co-host:

National Institute of Food and Drug Safety Evaluation, Humane Society International, AFSA Collaboration

This online event will present the current uses, potential applications, and future perspective of the Integrated Approaches to Testing and Assessment (IATA).

IATAs are targeted and efficient testing strategies for chemical hazard or risk characterization, which follow an iterative and integrative approach to answer a defined question with the required certainty in a specific regulatory context. Different types of information from existing sources, new testing (*e.g., in chemico, in vitro, and in vivo*), and non-testing (*e.g., in silico*), can be considered as needed, and evaluated using Weight of Evidence in an iterative process. Hypothesis formation, testing strategy, data weighing and integration can also be supported by Adverse Outcome Pathways (AOPs), which are expected to provide insight into the biological relevance, reliability and uncertainties associated with the results from the different test methods for regulatory use. Development and application of AOP-informed IATA represent the current state-of-the-art for evaluating and generating information to meet different regulatory purposes, shifting from traditional toxicity testing in animals to a more tailored, thoughtful and predictive approach, which takes into account mechanistic data at various levels of biological organization.

The event will feature presentations from South Korean regulatory bodies, industry and universities, together with a leading representative of the global consumer goods industry.

Schedule (All times are South Korean GMT +9)

Time	AGENDA
15:00 – 15:15	Welcome remarks In-soon Nam, Member of National Assembly Jayoung Jeong, Director of Toxicological Evaluation and Research Department, National Institute of Food and Drug Safety Evaluation Introduction Borami Seo, Humane Society International/Korea
15:15 – 15:30	General introduction to IATA Ilseob Shim, National Institute of Environmental Research
15:30 – 15:50	IATA research cases Seung Min Oh, Hoseo University
15:50 – 16:15	Use of IATA for Next Generation Risk Assessment (NGRA) decision-making Gavin Maxwell, Unilever *5min. Q&A if time allows
16:15 – 16:35	Practical use of IATA for eye irritation and sensitization Susun An, Amore Pacific
16:35 – 16:55	AOP-informed IATA Development for Regulatory Purposes: A Case Study on Thyroid Hormone Disruption Kyungho Choi, Seoul National University
16:55 – 17:10	Q&A Chair: Seung Min Oh, Hoseo University Closing Borami Seo, Humane Society International/Korea