

Practical Application of New Approach Methodologies (NAMs) for human health risk assessment.

Session Chair(s): Maria Baltazar (Unilever UK);
Abdulkarim Najjar (Beiersdorf AG, Germany).

9 September 2024, 16:00-18:00

Symposium, S10



Making Safety Decisions for a Sunscreen Active Ingredient Using Next-Generation Risk Assessment: Benzophenone-4 Case Study (#123)

M. T. Baltazar¹ (Unilever UK), S. Cable¹, A. Punt¹, N. J. Hewitt², B. Nicol¹, P. Kukic¹, S. Scott¹, S. Malcomber¹, R. Mascarenhas³, C. Alexander-White⁴, J. Reynolds¹, J. Houghton¹, S. Spriggs¹, M. P. Dent¹

New approach methodologies (NAMs): A quantitative *in vitro* to *in vivo* extrapolation case study with perfluorinated compounds (#145)

S. Fragki¹ (esqLABS GmbH, Germany), A. Paini¹, M. Iulini⁴, E. Corsini⁴, B. G. H. Bokkers², M. Luijten², A. Pijnenburg³, A. H. Piersma², M. J. Zeilmaker², D. Rijkers³, M. Siccardi¹, S. Schaller¹

Use of NAMs within an IATA for potential mitotoxicants (#85)

M. Leist¹ (University of Konstanz, Germany)

NAMs-supported Read-across and Application of 10-step Framework to Derive a Safe Concentration of Daidzein in a Body lotion (#1178)

A. Najjar¹ (Beiersdorf AG, Germany), J. Kuehnl¹, D. Lange¹, C. Génies², C. Jacques², E. Fabian³, A. Zifle⁴, N. J. Hewitt⁵, A. Schepky¹

Advances and Applications in Quantitative Systems Toxicology to Support Chemical Safety Assessment.

Session Chair(s): Mark Cronin (Liverpool John Moores University);
Stephan Schaller (esqLABS GmbH, Germany).

10 September 2024, 14:00-15:30

Symposium, S18



From qualitative adverse outcome pathways (AOP) to quantitative systems toxicology (QST) models: Modeling approaches – challenges & opportunities (#286)

E. Zgheib¹ (Simcyp Division, Certara UK), H. Khalidi¹, M. Alimohammadi², M. T. Cronin³, M. Leist²

Application of Quantitative Systems Toxicology to Support Chemical Safety Assessment in the Cosmetics Industry (#769)

A. White¹ (Unilever UK), A. Middleton¹

Regulatory perspective for the opportunities afforded by quantitative systems toxicology in chemical safety assessment (#569)

G. E. N. Kass¹ (European Food Safety Authority EFSA), J. L. C. M. Dorne¹

Bringing NGRA to life - A global joint effort for putting Next-Generation Risk Assessment into practice.

Session Chair(s): George Kass (European Food Safety Authority EFSA); Hennie Kamp (BASF SE, Germany).

10 September 2024, 16:00-18:00

Symposium, S23



The ASPIS-initiated Safety Profiling Algorithm (ASPA): setting the stage for Next-Generation Risk Assessment (#1157)

M. Luijten¹ (National Institute for Public Health and the Environment RIVM, Netherlands)

Assessment and Modelling of metabolites: The conazole case study (#194)

B. Islam¹ (Simcyp Division, Certara UK)

Prioritization and screening - which testing scope is sufficient?

S. Escher¹ (Fraunhofer -ITEM, Germany)

RapidTox: Decision-based workflow environment to advance human health assessment (#599)

J. Lambert (US EPA)

PARCroute: a road from innovative science to regulatory risk assessment practice (#252)

M. Herzler¹ (The German Federal Institute for Risk Assessment BfR), I. Apruzzese¹, S. Namorado², R. Pessoa²

Interindividual variability in toxicokinetics and toxicodynamics in chemical safety assessment.

Session Chair(s): Bob van de Water (Leiden University, Netherlands); George Kass (European Food Safety Authority EFSA).

11 September 2024, 12:00-13:30

Symposium, S27



Toxicokinetic and toxicodynamic uncertainties in chemical safety assessment (#573)

G. E. N. Kass¹ (European Food Safety Authority EFSA), J. L. C. M. Dorne¹

Human interindividual variability in toxicokinetics. (#1135)

E. Testai (Istituto Superiore di Sanità ISS, Italy)

Population variability of toxicodynamics driving adverse responses. (#1154)

M. Niemeijer¹, **B. van de Water**¹ (Leiden Academic Centre for Drug Research, Leiden University, Netherlands)

Pharmacogenetics testing in personalized medicine to prevent drug-induced adverse reactions (#1158)

H. J. Guchelaar¹ (Leiden University Medical Center LUMC, Leiden University, Netherlands)