References - 2020 Workshop Report

In this guide

In this guide

1. Cover Page - 2020 Workshop Report
2. Abstract - 2020 Workshop Report
3. About the Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT) - 2020
4. About the FSA - 2020 Workshop Report
5. Executive Summary - 2020 Workshop Report
6. Introduction and Background - 2020 Workshop Report
7. Mission and Vision: Objectives and outline of workshop - 2020
8. Presentations and panel discussions - 2020 Workshop Report
9. Panel Discussion Sessions Outputs - 2020 Workshop Report
10. Future Steps - 2020 Workshop Report
11. Overarching conclusions and recommendations - 2020 Workshop Report
12. Abbreviations - 2020 Workshop Report
13. References - 2020 Workshop Report
14. Technical Terms - 2020 Workshop Report
15. Workshop Organizing Committee - 2020

Allen, T.E., Goodman, J.M., Gutsell, S. and Russell, P.J., 2018. Using 2D structural alerts to define chemical categories for molecular initiating events. **Toxicological Sciences**, 165(1), pp.213-223.

Bernauer, U., Bodin, L., Celleno, L., Chaudhry, Q., Coenraads, P.J., Dusinska, M., Duus-Johansen, J., Ezendam, J., Gaffet, E., Galli, C.L. and Granum, B., 2016. SCCS OPINION ON decamethylcyclopentasiloxane (cyclopentasiloxane, D5) in cosmetic products. Available at: Opinion of the Scientific Committee on Consumer Safety on o-aminophenol (A14) (europa.eu)

Campbell, J.L., Yoon, M. and Clewell, H.J., 2015. A case study on quantitative in vitro to in vivo extrapolation for environmental esters: Methyl-, propyl-and butylparaben. **Toxicology**, 332, pp.67-76.

Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment. Environmental, health and safety alternative testing strategies: Development of methods for potency estimation (TOX/2019/70)
Available at: Developing methods for potency estimation (food.gov.uk)

Cronin, M.T., Madden, J.C., Yang, C. and Worth, A.P., 2019. Unlocking the potential of in silico chemical safety assessment–A report on a cross-sector symposium on current opportunities and future challenges. **Computational Toxicology,** 10, pp.38-43.

Department for Business, Energy and Industrial Strategy (BEIS) white paper on 'Regulation for the Fourth Industrial Revolution' Available at: The Use of Emerging Technologies for Regulation (publishing.service.gov.uk)

EFSA Panel on Contaminants in the Food Chain (CONTAM)
Scientific Opinion on Tropane alkaloids in food and feed. Available at: Scientific Opinion on Tropane alkaloids in food and feed - - 2013 - EFSA Journal - Wiley Online Library

EFSA Panel on Contaminants in the Food Chain (CONTAM)
Presence of microplastics and nanoplastics in food, with particular focus on seafood
Available at: Presence of microplastics and nanoplastics in food, with particular focus on seafood - - 2016 - EFSA Journal - Wiley Online Library

European Commission - European Strategy for Data. Available at: IMMC.COM%282020%2966%20final.ENG.xhtml.2_EN_ACT_part1_v11.docx (europa.eu)

EURL ECVAM Status Report 2017 on alternative methods. Available at: EURL ECVAM Status Report 2017 - European Commission (europa.eu)

EURL ECVAM Status Report 2019 on alternative methods. Available at: EURL ECVAM status report on the development, validation and regulatory acceptance of alternative methods and approaches (2019) - Publications Office of the EU (europa.eu)

HM Government Regulation for the Fourth Industrial Revolution: White Paper (2019)
Available at: Regulation for the Fourth Industrial Revolution: White Paper (publishing.service.gov.uk)

Horizon 2020. Available at: Horizon 2020 - European Commission (europa.eu)

Human biomonitoring 4 EU programme. Available at: HBM4EU – science and policy for a healthy future

Judson, R., Richard, A., Dix, D.J., Houck, K., Martin, M., Kavlock, R., Dellarco, V., Henry, T., Holderman, T., Sayre, P. and Tan, S., 2008. The toxicity data landscape for environmental chemicals. **Environmental health perspectives**, 117(5), pp.685-695.

Kavlock, R.J., Bahadori, T., Barton-Maclaren, T.S., Gwinn, M.R., Rasenberg, M. and Thomas, R.S., 2018. Accelerating the pace of chemical risk assessment. **Chemical research in toxicology, 31**(5), pp.287-290.

National Toxicology Program- Integrated Approaches to Testing and Assessment Available at: Integrated Approaches to Testing and Assessment (nih.gov)

National Academies Toxicity Testing in the 21st Century, A Vision and a Strategy (2007). Available at: Toxicity Testing in the 21st Century: A Vision and a Strategy | The National Academies Press

OECD Guidance Document on Good In Vitro Method Practices (GIVIMP, 2018) Available at: Guidance Document on Good In Vitro Method Practices (GIVIMP) | en | OECD

Parish, S.T., Aschner, M., Casey, W., Corvaro, M., Embry, M.R., Fitzpatrick, S., Kidd, D., Kleinstreuer, N.C., Lima, B.S., Settivari, R.S. and Wolf, D.C., 2020. An evaluation framework for new approach methodologies (NAMs) for human health safety assessment. **Regulatory Toxicology and Pharmacology, 112**, p.104592.

Patterson, E.A., Whelan, M.P. and Worth, A.P., 2020. The role of validation in establishing the scientific credibility of predictive toxicology approaches intended for regulatory application. **Computational Toxicology,** p.100144.

Raies, A.B. and Bajic, V.B., 2016. In silico toxicology: computational methods for the prediction of chemical toxicity. **Wiley Interdisciplinary Reviews: Computational Molecular Science,** *6*(2), pp.147-172.

Safety & Environmental Assurance Centre: A Next Generation Risk Assessment Case Study for Coumarin in Hypothetical Cosmetic Products. Available at: A Next Generation Risk Assessment Case Study for Coumarin in Hypothetical Cosmetic Products (unilever.com)

Slikker Jr, W., de Souza Lima, T.A., Archella, D., de Silva Junior, J.B., Barton-Maclaren, T., Bo, L., Buvinich, D., Chaudhry, Q., Chuan, P., Deluyker, H. and Domselaar, G., 2018. Emerging technologies for food and drug safety. **Regulatory Toxicology and Pharmacology**, 98, pp.115-128.

Tan, Y.M., Chan, M., Chukwudebe, A., Domoradzki, J., Fisher, J., Hack, C.E., Hinderliter, P., Hirasawa, K., Leonard, J., Lumen, A. and Paini, A., 2020. PBPK model reporting template for chemical risk assessment applications. **Regulatory Toxicology and Pharmacology**, p.104691.

Wang, Z., Walker, G.W., Muir, D.C. and Nagatani-Yoshida, K., 2020. Toward a global understanding of chemical pollution: a first comprehensive analysis of national and regional chemical inventories. **Environmental Science & Technology, 54**(5), pp.2575-2584.

Wedlake, A.J., Folia, M., Piechota, S., Allen, T.E.H., Goodman, J.M., Gutsell, S. and Russell, P.J., 2019. Structural Alerts and Random Forest Models in a Consensus Approach for Receptor Binding Molecular Initiating Events. **Chemical Research in Toxicology**.

Worth, A.P., 2019. The future of in silico chemical safety… and beyond. **Computational Toxicology**, (10) pp 60-62.