News from EURL ECVAM - April 2019

03/04/2019

Highlights

- **Finding alternatives to animal testing - going for the win-win-win**

  The JRC's status report on alternatives to animal testing is just out. We interviewed the lead author and the head of JRC's European Union Reference Laboratory for alternatives to animal testing (EURL ECVAM).

- **Special issue on testing chemicals for developmental neurotoxicity using alternative methods**

  JRC scientists have co-edited and contributed to a special issue of Toxicology and Applied Pharmacology proposing how alternative methods to animal testing can be used to assess chemicals for their potential to disrupt brain development in children.

- **Principles for next generation risk assessment of cosmetics**

  In an international collaboration of regulators and industry, JRC scientists contributed to the compilation of overarching principles for the safety assessment of cosmetics without animal testing.

- **Much ado about nanomodelling - computational methods for nanomaterials**

  JRC scientists have published a series of papers assessing the availability and applicability of computational models in the safety assessment of nanomaterials, with a view to promoting their further development and use in regulatory decision making.

More highlights >

Other news

- **Communicating scientific uncertainty: EFSA publishes a new guidance document**

  Primarily intended for science communicators, the guidance is a companion to the technical EFSA Scientific Committee guidance on uncertainty analysis in scientific assessments from 2018. EFSA is gradually implementing these two new guidance documents for assessors and communicators.

- **Vote on the PEST draft report on EU authorisation procedure for pesticides**

  On 6 December 2018, the work of the Special Committee on the EU authorisation procedure for pesticides was finalised with a committee vote on the draft report. Subsequently, on 16 January 2019, the political recommendations were adopted in a plenary vote by 526 votes in favour, 66 against and 72 abstentions.

- **Commission publishes Statement and Position Paper on emerging health and environmental issues**

  The European Commission's Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) published a statement and a position paper on emerging health and environmental issues. The SCHEER statement draws the Commission Services' attention to 14 emerging issues in the non-food area that Committee members have identified as having a potential impact on human health and/or the environment in the future.

Our recent publications

- Membrane transporter data to support kinetically-informed chemical risk assessment using non-animal methods: scientific and regulatory perspectives
- Computational models for the assessment of manufactured nanomaterials: development of model reporting standards and mapping of the model landscape
- Physiologically based mathematical models of nanomaterials for regulatory toxicology: a review
- Challenges in working towards an internal Threshold of Toxicological Concern (iTTC) for use in the safety assessment of cosmetics: discussions from the Cosmetics Europe iTTC Working Group workshop
- The future of in silico chemical safety...and beyond
- Unlocking the potential of in silico chemical safety assessment: a report on a cross-sector symposium on current opportunities and future challenges
- Advanced Good Cell Culture Practice for human primary, stem cell-derived and organoid models as well as microphysiological systems
- EURL ECVAM status report on the development, validation and regulatory acceptance of alternative methods and approaches (2018)
- Next generation physiologically based kinetic (NG-PBK) models in support of regulatory decision making
- Adverse Outcome Pathway: Peroxisome Proliferator-Activated Receptor α Activation and Reproductive Toxicity-Development and Application in Assessment of Endocrine Disruptors/Reproductive Toxicants
- Cytochrome P450 Induction and Xeno-Sensing Receptors Pregnane X Receptor, Constitutive Androstane Receptor, Aryl Hydrocarbon Receptor and Peroxisome Proliferator-Activated Receptor α at the Crossroads of Toxicokinetics and Toxicodynamics

More publications >

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