Presentation of The EPAA 3Rs Science Prize

Noel Joseph /DG SANTE

(on behalf of the jury)

The EPAA 3Rs Science Prize - Background

- Created in 2014 – this is 2nd edition

- Granted every other year

- Granted for a completed, or significantly advanced project with an outstanding contribution to 3Rs

- 10,000€ Prize grant, sponsored by the Industry partners of EPAA

- Past winner: **Dr Riina Sarkanen** from FICAM/University of Tampere

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The EPAA 3Rs Science Prize – Eligibility criteria

- Scientists working on alternative methods for safety or potency/quality testing

- Applicants :
  - should be based in Europe
  - should have no more than 10 years of postgraduate experience
  - should be able to deliver a case study based on actual research where their personal commitment and implication is shown
  - may apply on behalf of a team

- Proposed future changes
  - postgraduate experience - strictly limited to 10 years after MSc
  - Set maximum age for applicants

The EPAA 3Rs Science Prize – Selection criteria

- Impact on the 3Rs (reduction of animal numbers etc. - Weighted Double

- Innovativeness/Contribution to meeting an urgent unmet scientific need

- Possible Applicability of the method/approach for regulatory testing - Weighted Double

- Impact on predictive safety science

- Work potentially applicable widely i.e. to other methods and endpoints and across sectors

- International remit

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The EPAA 3Rs Science Prize – The Jury

- Industry
  - Patrick Sinnett-Smith, Pfizer
  - Simone Hoffmann-Dörr, Henkel

- European Commission
  - Noel Joseph, EC DG SANTE
  - Christian Desaintes, EC DG RTD

- Mirror Group
  - Tuula Heinonen
  - Massenzio Fornasier

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The EPAA 3Rs Science Prize – 2016 Call

- Started at the end of May 2016
- Call disseminated through EPAA networks and advertised at FELASA and EUSAAT congresses

- 13 applications received from all over Europe (9 in the 1st edition)
- Maximum possible score was 240
- Candidate scores ranged from 70 to 196
- 4 applications with scores >160
- Overall level was good
- Wide range of areas covered

The EPAA 3Rs Science Prize 2016 – The winner

Project

- Physiologically based kinetic (PBK) modeling-based reverse dosimetry approach

Score

- Ranked 1st with 196/240

Remarks from the jury

- "an interesting area of work with huge potential"

- "a very practical approach"

- "combined approaches likely to be the future of tox testing…"

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The EPAA 3Rs Science Prize 2016 – The winner

Winner

- Dr Jochem Louisse

- University of Wageningen, Toxicology Division

Physiologically based kinetic (PBK) modeling-based reverse dosimetry approach