



# Suomen Toksikologiyhdistys ry Finnish Society of Toxicology

## Welcome to the Annual Symposium of the Finnish Society of Toxicology

Wednesday 17.4.2024, Kauppi campus (Arvo building, F025 Keltainen Sali, Arvo Ylpön katu 34, 33520 Tampere. **Arvo F025 Keltainen Sali**)

11.30 - 12.00 Registration

12.00 - 12.15 **Welcome words**

12.15 - 13.45 **Session 1: Regulatory Toxicology** *Chair: Dr. Greta Waissi (NordShield)*

12:15-12:45 Dr. Tiina Santonen (Finnish Institute of Occupational Health): The use of biomonitoring in the assessment of chemical risks in workers – recent examples from HBM4EU and PARC projects

12:45-13:15 Prof. Markku Pasanen (University of Eastern Finland): Do we need a life-time rodent bioassay in assessing of human carcinogenic risk of new small molecule pharmaceuticals?

13:15-13:45 Virve Sihvola (ECHA): Regulatory application of alternative methods to industrial chemicals

13.45 - 14.30 **Coffee and posters**

14.30 - 15.30 **Session 2: *In vitro* and *in vivo* toxicology** *Chair: Laura Saarimäki (Tampere University)*

14:30-15:00 Dr. Jack Morikka (Tampere University): How to practically use in vitro models to derive mechanistic insights into complex in vivo diseases

15:00-15:30 Prof. Tomi Rantamäki (University of Helsinki): Side-effects or main effects? - a story about molecular mechanisms of antidepressants

15.30 - 16.15 **BCPT Young Researcher Nordic Prize – Award ceremony**

Recipient's presentation by Dr. Olli Kärkkäinen (University of Eastern Finland)

*End of the day 1 official program and **Laboratory tour at the FHAIVE (GrecoLab).***

16.30 – 17.30 **Annual Meeting of FST**

18.30 - Dinner at Brewery Restaurant Plevna, Itäinenkatu 8 (Finlayson area) (*at participant's own cost*)

**Thursday 18.4.2024, City centre campus (Pääatalo, Kalevantie 4, 33100 Tampere. D205 D10b auditorium)**

8.45 - 9.15 Registration

9.15 - 10.15 **Keynote presentation:** Prof. Bengt Fadeel (Karolinska Institutet, Sweden): No small matter: lessons learned in nanotoxicology

**10:15-10:30 Coffee and snacks**

10.30 - 12.00 **Session 3: Ecotoxicology and One Health** *Chair: Virve Sihvola (ECHA)*

10:30-11:00 Prof. Jussi Kukkonen (University of Eastern Finland): Microplastics in the Environment

11:00-11:30 Prof. Jaana Rysä (University of Eastern Finland): Endocrine disrupting chemicals: A scientific and regulatory challenge

11:30-12:00 Giusy del Giudice (Tampere University): Cross-species model of responses to nanoparticles: from epigenetics to One Health

**12.00 - 13.15 Lunch**

13.15 - 14.45 **Session 4: Computational and Mechanistic toxicology** *Chair: Prof. Dario Greco (Tampere University)*

13:15-13:45 Dr. Antonio Federico (Tampere University): Connecting the dots: drawing the healthscape through network models

13:45-14:15 Laura Saarimäki (Tampere University): Toxicogenomics data for chemical safety assessment: from intrinsic characteristics to translational potential

14:15-14:45 Prof. Vittorio Fortino (University of Eastern Finland): Combining toxicogenomics and network data mining for mechanistic insights and predictive toxicology of chemical compounds

14.45 - 15.00 **Closing words**

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