



**SUOMEN TOKSIKOLOGIYHDISTYS**  
**Finnish Society of Toxicology**



**UNIVERSITY OF  
EASTERN FINLAND**

40 YEARS SERVING SAFE FUTURE

Annual Symposium of Finnish Society of Toxicology

Kuopio, Finland

Date: 13-14.5.2019

Organizers: Finnish Society of Toxicology (FST)

Organizing committee:

Jaana Rysä, University of Eastern Finland (Vice-president of FST)

Matti Viluksela, University of Eastern Finland

Risto Juvonen, University of Eastern Finland

Merja Korkalainen, National Institute for Health and Welfare (THL)

Marjo Huovinen, University of Eastern Finland

Jonna Weisell, University of Eastern Finland

Location: Canthia Ca100 Auditorium, University of Eastern Finland, Yliopistonranta 1C, 70210

Monday 13.5.2019

12:00-13:00 Registration, mounting of posters, coffee

13:00-13:05 Opening words from FST (Jaana Rysä, University of Eastern Finland)

13:05-13:10 Welcoming words from School of Pharmacy, UEF, Head of School, Jarkko Ketolainen.

13:10-13:50 Plenary lecture: EDCs and female fertility -what can Swedish women teach us (Pauliina Damdimopoulou, Karolinska Institutet, Sweden).

Session I

Chairs: Marjo Huovinen and Suchetana De

14:00-14:30 The effect of prenatal alcohol exposure on epigenome (Nina Kaminen-Ahola, University of Helsinki)

14:30-15:00 Towards biologically realistic human infertility diagnostics: implications for chemical exposure (Jukka Kekäläinen, University of Eastern Finland)

Coffee

15:40-16:10 Evidence informed policy making – sailing between Scylla and Charybdis (Harri Vainio, Kuwait University)

16:10-16:25 Life-long disease burden attributable to prenatal maternal smoking (Isabell Rumrich, University of Eastern Finland)

16:25-16:40 Inflammatory responses in BALF of C57BL/6J mice after subchronic exposure to fresh or aged spruce or lignite combustion aerosol (Petra Vartiainen, University of Eastern Finland)

16:40-16:55 Novel mitochondrial targets of PM exposure in human olfactory mucosa (Sweelin Chew, University of Eastern Finland)

16:55-17:00 Closing words

17:15–19:00 Annual meeting of the Finnish Society of Toxicology (FST).

19:00–22:00 Dinner (Restaurant Mediteknia, Yliopistonranta 1C) (Dinner is free for members of FST. The dinner is limited for 70 persons)

Tuesday 14.5.2019

Session II

Chairs: Merja Korkalainen and Matti Viluksela

- 8:45-9:15 Immunomodulatory effects of individual and combined mycotoxins (Anita Solhaug, Norwegian Veterinary Institute)
- 9:15-9:45 Human lung constructs as a model to study exposure to indoor air particulate matter (Kati Huttunen, University of Eastern Finland)
- 9:45-10:15 Use of toxicity tests for evaluating harmfulness of indoor air (Selma Mahiout, Finnish Institute of Occupational Health)
- 10:15-11:00 Poster session and coffee
- 11:00-11:30 Stem cell -based models in toxicology (Virpi Talman, Imperial College London/ University of Helsinki)
- 11:30-11:45 Transplacental transfer and metabolism of diuron in human placenta (Ali Muhammed, University of Eastern Finland)
- 11:45-12:00 Gender- and dose-related metabolome alterations in rat offspring after in utero and lactational exposure to PCB 180 (Antti Pikkarainen, University of Eastern Finland)
- 12:00-12:15 Fasting-induced factors repress vitamin D bioactivation and induce deficiency in diabetes (Mahmoud-Sobhy Elkhwanky, University of Oulu)
- 12:15-13:00 Lunch break

Session III

Chairs: Risto Juvonen and Jonna Weisell

- 13:00-13:30 Cardiotoxicity of protein kinase inhibitors (Risto Kerkelä, University of Oulu)
- 13:30-14:00 Role of nuclear receptor PXR in hepatic glucose and lipid homeostasis. A mechanism for endocrine toxicity? (Jukka Hakkola, University of Oulu)
- 14:10-14:40 The retinoid system and toxicology testing needs (Helen Håkansson, Karolinska Institutet)
- 14:40-15:10 Contaminants in Arctic human populations (Khaled Abass, University of Oulu).
- 15:10–15:20 Closing words and announcement of the best presentation and best poster awards

The symposium is supported by

