

Session 2 chairs:



Ian Cotgreave, Director, Department of Chemical and Pharmaceutical Safety, Research Institutes of Sweden, RISE.

Professor Ian Cotgreave has 40 years of experience in toxicology, from an academic position at the Institute of Environmental Medicine, Karolinska Institute, to Head of the Department of Molecular Toxicology at AstraZeneca R+D in Sweden, to co-founder and Chief Scientific Strategist at the Swedish Institute of Toxicological Sciences (SWETOX), to his current position as head of department at RISE. Ian has worked for many years academically, industrially and from a regulatory perspective on the development of mechanism-based safety assessment, in particular the development of new safety assessment methods, where Ian has partaken international research programs such as SEURAT-1, EuToxRisk and currently RISKHUNT3R, and he is currently a Pi in Mistra Safechem, a national program for safe and sustainable chemistry and process by design in Sweden. Ian is former member of EURL ECVAMs Science Advisory Committee (ESAC).



Penny Nymark, Assistant Professor, Institute of Environmental Medicine, Karolinska Institutet

*Penny Nymark has 20 years of experience in toxicology, in vitro cell culture methods, omics and bioinformatics. Her research (50+ peer-reviewed publications) and involvement in multiple EU-funded projects (incl. eNanoMapper, NanoReg2, caLIBRAte, PATROLS, CIAO, Gov4Nano, HARMLESS, and PARC) has focused on mechanisms of particle-induced toxicity and development of animal-free, data-driven New Approach Methodologies, Adverse Outcome Pathways and Findable, Accessible, Interoperable, Reusable (FAIR) data for safety assessment of nano- and advanced materials, including implementation in Safe and Sustainable by Design approaches. She serves on the Editorial Board and as Collection Advisor for the next-generation open access journals *Frontiers in Toxicology* and *F1000 Research*. She has served at the Swedish National Platform for Nanosafety (SweNanoSafe) over the past 3 years and acts as Swedish delegate in the OECD Working Party for Manufactured Nanomaterials Safe Innovation Approach Steering Group.*

Session 3 chairs:



Hubert Dirven, Department Director, Norwegian Institute of Public Health

Hubert Dirven is a European Registered Toxicologist, who has worked in Toxicology for almost 40 years. He has worked 20 years in the pharmaceutical industry, and since 2013 he is department director of the department of chemical toxicology at the Norwegian Institute of Public Health. The department is involved in hazard and risk assessment on REACH chemicals. He is involved in a number of European projects like PARC, POLYRISK, ONTOX and Eximious. He is member of the WHO FAO joint meeting on pesticide residues (JMPR).



Klara Midander, Researcher and Project Leader, IVL Swedish Environmental Research Institute

Klara Midander works at the Swedish Environmental Research Institute IVL, as a project leader with research in the work environment area and a particular focus on exposure and effects of chemical health risks (allergenic and toxic metals, particles and fibers including crystalline silica, nanomaterials etc.). She has 15 years of experience as a researcher, supervisor, and teacher within the academy as well as experience of applied work as an expert and a coordinator of government assignments. With a background in chemical engineering with physical engineering (Chalmers University of Technology), a PhD in surface chemistry and material science (KTH Royal Institute of Technology) and a great interest in technology, Klara has worked in interdisciplinary research environments (e.g., Institute of environmental medicine IMM, Karolinska Institutet) with activities that are close to application. Her current work at IVL aims to contribute to a more sustainable society through prevention and risk management that minimizes dangerous and unnecessary exposure to harmful substances.

Session 4 chairs:



Terje Svingen, Associate Professor, Technical University of Denmark, National Food Institute

Assoc. prof. Terje Svingen is Head of Research group for Molecular & Reproductive Toxicology at the National Food Institute, Technical University of Denmark (DTU Food). His team works at the interface of basic research and regulatory toxicology, with a strong focus on endocrine disrupting chemicals and their potential to disrupt hormone-mediated development and cause disease. The group has a track record of studying effects on sex hormone signaling with consequences for reproductive development, as well as thyroid-hormone signaling and brain development. With a background in mammalian sex determination and development, Dr Svingen has maintained a strong interest in deciphering the mechanisms by which environmental factors can disrupt developmental processes during early life leading to lifelong disease. He holds numerous research grants from both national and European agencies on topics dealing with endocrine disruptors and human health.



Oskar Karlsson, Associate Professor, SciLifeLab, Stockholm University

Oskar Karlsson is an Associate Professor at Science for Life Laboratory (SciLifeLab), Department of Environmental Science, Stockholm University. Dr. Karlsson is chair of the Swedish Society of Toxicology and Deputy Director of Stockholm University Center for Circular and Sustainable Systems (SUCCeSS). He earned a PhD in Toxicology at the Department of Pharmaceutical Bioscience, Uppsala University, and has previously worked at Centre of Molecular Medicine, Karolinska Institutet, and Harvard University, School of Public Health. His research team combines experimental model systems, computational and omics tools, and epidemiological studies to investigate the influence of environmental exposures on wildlife and human health, and elucidate underlying molecular mechanisms. Ongoing efforts include development of New Approach Methodologies (NAMs) and studies of paternal epigenetic inheritance in the ERC funded project PATER.