

Winter meeting 2025
Norwegian Society for Pharmacology and Toxicology
Beitostølen, January 23 - 25, 2025

Thursday January 23 2025		
13:00 - 14:30	Lunch	
14:30	Welcome NSFTs chair Maria Thérèse Hultman	
Nordic symposium: Safe and sustainable by design <i>Chair: Marianne van der Hagen</i>		
14:45	Dario Greco <i>Professor, Director Faculty of Medicine and Health Technology, BioMediTech Institute, Tampere University</i> Integrated approaches in toxicology and pharmacology: from nanosafety to SSbD and One Health.	
15:20	Lindvi Gudmundsdottir <i>Director Preclinical Development, Simplexia, Sweden</i> Sustainable by Design: The drug development process	
15:55	Coffee break	
Awards for best scientific papers of the year (BCPT sponsored) <i>Chairs: Marit Inngjerdingen and Marianne van der Hagen</i>		
16:15	Scientific paper of the year in pharmacology: <i>Stian Foss, Dept of pharmacology, University of Oslo/Oslo University Hospital</i> Human IgG Fc-engineering for enhanced plasma half-life, mucosal distribution and killing of cancer cells and bacteria (Nature Communications, 2024).	
16:35	Scientific paper of the year in toxicology: <i>Naouale El Yamani / Elise Rundén-Pran, Norwegian Institute for Air Research</i> Hazard assessment of nanomaterials using in vitro toxicity assays: Guidance on potential assay interferences and mitigating actions to avoid biased results (Nanotoday, 2024)	
16:55	Coffee break	
Parallel session I		
	Toxicology Chair: Mette Müller	Pharmacology Chair: Marit Inngjerdingen
17:10	Anders Goksøyr, University of Bergen Marma-detox – Whales and polar bear in a petri dish - <i>in vitro</i> approaches to probe marine mammal toxicity pathways	Audun Stubhaug, Oslo University Hospital Medical cannabis for chronic pain. Evidence, controversies and regulatory issues in Norway and Europe.
17:40	Anders Ruus, University of Oslo/NIVA Assessing the cumulative effect of multiple anthropogenic stressors on Norwegian killer whales – The MULTIWHALE project	Øyvind Svendsen, Diakonhjemmet Hospital Clozapine and serum concentration dependent side effects
19:00	Gathering in the bar	
19:30	Dinner	

Friday January 24 2025		
12:30 – 14:00	Lunch	
The Beito Lecture 2024 (BCPT sponsored) Chair: Marit Inngjerdingen		
14:00 – 15:00	Jean-Baptiste Woillard <i>Professor, Pharmacology, Toxicology Department, University Hospital of Limoges/ University of Limoges, France</i> Smart Pharmacology: Machine Learning in Therapeutic Drug Monitoring	
15:00 – 15:15	Coffee break	
Parallel session II		
	Toxicology: Air pollution Chair: Vegard Sætre Grytting	Pharmacology: TDM/AI-tools Chair: Ole Martin Drevland
15:15 – 15:45	Johan Øvrevik, FHI Trojan Horse Effect: On the role of organic chemicals in the toxicity of combustion particles.	Markus Hovd/Anders Åsberg, University of Oslo Advanced therapeutic drug monitoring (TDM) at the Norwegian transplant center – perspectives and implementation
15:45 – 16:15	Eleonora Marta Longhin, NILU Investigating Air Pollution in Oslo: In Vitro Effects and Chemical Profiles	Peter McCourt, UiT The Arctic University of Tromsø Oral Nanotherapeutic Formulations of Low Dose Glucagon-like protein 1 receptor agonist (Liraglutide) Improve Metabolic Health in Aging Mice
16:15 – 16:30	Coffee break	
Abstract session I		
16:30 – 17:30	Toxicology Chair: Mette Müller	Pharmacology Chair: Marit Inngjerdingen
	16:30 – 16:40 Ketil Hylland, University of Oslo / Institute of marine research Effect-based marine monitoring - do we need it? 16:40 – 16:50 Clare Andvik, University of Oslo Multiple stressors in Norwegian killer whales: The combined effects of pollutant load and whale watching on steroid hormone levels. 16:50 – 17:00 Clare Andvik, University of Oslo Intercorrelations of short-, medium- and long-chain chlorinated paraffins, dechloranes and legacy POPs in 10 species of marine mammals from Norway, in light of dietary niche.	16:30 – 16:50 Ole Martin Drevland, University of Oslo Development and clinical validation of a volumetric absorptive capillary microsampling method for quantification of MPA and MPAG in kidney transplant recipients 16:50 – 17:10 Marte Grasdal, University of Oslo Patiromer administered three hours post-tacrolimus does not affect tacrolimus pharmacokinetics in kidney transplant recipients 17:10 – 17:30 Kajangi Gnanachandran, UiT The Arctic University of Norway Studying the adverse effects of polypharmacy on liver sinusoidal endothelial cells (LSEC) in mouse liver-derived in vitro models: advancing from 2D to 3D systems

	<p>17:00 – 17:10 Sara Zamani, University of Bergen Uncoupling effects of per- and polyfluoroalkyl substances on mitochondrial metabolism in killer whale fibroblasts.</p> <p>17:10 – 17:20 María Fernández Míguez, University of Bergen Decoding the Spill: Multi-Omics Insights into Crude Oil's Impact on Fish Reproduction.</p> <p>17:20 – 17:30 Eveline Munnikhof, Institute of marine research Fate and effects of per- and polyfluoroalkyl substances (PFAS), their precursors and alternatives in male Salmon hepatocytes.</p>	
17:30 – 18:30	Poster session	
19:30	Dinner	
21:00	Quiz	

Saturday January 25 2025		
09:00 – 09:30	Annual meeting Section for toxicology	Annual meeting Section for pharmacology
09:30 – 10:30	General assembly The Norwegian Society for Pharmacology and Toxicology	
12:30	Lunch	
The Poulsson Award Chair: Marianne van der Hagen		
14:00 – 14:15	Awardee introduction By NSFTs chair Maria Thérèse Hultman	
14:15 – 15:15	Ellen Fritsche <i>Professor, MD, director of the Swiss Centre for Applied Human Toxicology (SCAHT), Switzerland</i> The Poulsson Lecture: Spotlight on Developmental Neurotoxicity: from Scratch to the OECD.	
15:15	Coffee break	
Plenary session: Neurotox Chair: Marit Inngjerdingen		
15:30 – 16:00	Oddvar Myhre, Norwegian Institute of Public Health Development of a human neural progenitor cell model for neurodevelopmental toxicity testing – case study on opioids	
16:00 – 16:30	Cecilie Morland, Department of Pharmacy, University of Oslo Mimicking exercise to improve brain health	
16:30 – 16:50	Coffee break	
Abstract session II		
16:50 – 17:50	Toxicology Chair: Odd André Karlsen	Pharmacology Chair: Marit Inngjerdingen
	<p>16:30 – 16:40 Anna Lauvås, STAMI Occupational exposure to aerosolized viruses and health effects in Norwegian wastewater treatment plants.</p> <p>16:40 – 16:50 Merete Grung, NIVA MILKYS (contaminants in coastal waters), a wealth of data provided since 1981.</p> <p>16:50 – 17:00 Peter McCourt, UiT The Arctic University of Norway N-Acetyl-Cysteine (NAC) mitigates oxidative stress damage to liver endothelium</p> <p>17:00 – 17:10 Sina Velzi, NMBU Establishing ex vivo brain-pituitary and gonadal models for PFAS toxicity assessment.</p>	<p>16:50 – 17:10 Karl Martin Forbord, University of Oslo Paracrine roles of the protease legumain in osteogenic differentiation.</p> <p>17:10 – 17:30 Tetyana Voloshyna, UiT The Arctic University of Norway The effect of antipsychotic remedies on liver sinusoidal endothelial cell function and morphology.</p> <p>17:30 – 17:50 Kjetil Wessel Andressen, University of Oslo cGMP in HFpEF: only unsuccessful trials or a new target?</p>

	<p>17:10 – 17:20 Ole Jakob Nøstbakken, Institute of marine research Interactions between marine oils and persistent organic pollutants in C57BL/6 mice.</p> <p>17:20 – 17:30 Hubert Dirven, FHI The Norwegian football field study: exposure to micro and nanoplastics and acute effects on the immune system.</p>	
19:00	Gala dinner	