

# NSFT

Norsk Selskap for Farmakologi og Toksikologi

## Program for Vintermøtet 2019

<b>Torsdag 24. januar</b>	
13:00 - 14:30	<b>Lunsj</b>
14:30	<b>Velkommen</b> v/ NSFTs leder <i>Mohammad Nouri Sharikabad</i> BEITOHALLEN
	<b>Drugs of abuse</b> Fellessymposium <i>Møteleder: Mohammad Nouri Sharikabad (FHI)</i> BEITOHALLEN
14:40 - 15:10	The Pharmacology and Toxicology of Novel Psychoactive Substances <i>Inger Lise Bogen (OUS)</i>
15:10 - 15:40	How does maternal use of drugs of abuse affect the fetus? <i>Marte Handal (FHI)</i>
<b>Pause</b>	
	<b>Priser for årets beste artikler</b> Fellessymposium <i>Møteledere: Hubert Dirven (FHI)/Lise Roman Moltzau (UiO)</i> BEITOHALLEN
16:00 - 16:20	Limited Sampling Strategy to Estimate Whole Blood and Intra-lymphocyte Exposure of Everolimus in Renal Transplant Recipients using Population Pharmacokinetic Modeling and Bayesian Estimators <i>Ida Robertsen (UiO) (Årets artikkel i farmakologi)</i>
16:20 - 16:40	Deciphering the Combined Effects of Environmental Stressors on Gene Transcription: A Conceptual Approach <i>You Song (NIVA) (Årets artikkel i toksikologi)</i>
<b>Kaffe</b>	

Toksikologi: The dCod 1.0 project: decoding the systems toxicology of Atlantic cod <i>Møteleder: Anders Goksøyr (UiB)</i> Besseggen 1		Farmakologi: Cancer in children; disease, treatment and late effects <i>Møteleder: Mohammad Nouri Sharikabad (FHI)</i> Besseggen 2
17:10 - 17:15	Introduction <i>Anders Goksøyr (UiB)</i>	Cancer in children; an overview  <i>Heidi Glosli, Chief physician Oslo University Hospital (Rikshospitalet)</i>
17:15 - 17:40	The chemical defenses of Atlantic cod ( <i>Gadus morhua</i> ): how does it differ from gene networks in human and zebrafish?  <i>Marta Eide (UiB)</i>	
17:40 - 18:05	Toxicogenomic responses in Atlantic cod ( <i>Gadus morhua</i> ): <i>in vivo</i> and <i>in vitro</i> studies reveal possible new roles of FGF3 and FGF4  <i>Fekadu Yadetie (UiB)</i>	Late effects after cancer and its treatment  <i>Heidi Glosli, Chief physician Oslo University Hospital (Rikshospitalet)</i>
18:05 - 18:30	A draft metabolic reconstruction of Atlantic cod ( <i>Gadus morhua</i> ) liver: how to and what for?  <i>Eileen M. Hanna (UiB)</i>	New treatment Principles  <i>Heidi Glosli, Chief physician Oslo University Hospital (Rikshospitalet)</i>
19:30	<b>Samling i baren</b>	
20:00	<b>Middag</b>	

## Fredag 25. januar

12:30 - 14:00	<b>Lunsj</b>		
<b>Mikro / Nano</b> <i>Fellessymposium</i> <i>Møteleder: Hubert Dirven (FHI)</i> BEITOHALLEN			
14:00 - 14:30	Macro, micro, nano: What we know and should know about plastic pollution <i>Martin Wagner (NTNU)</i>		
14:30 - 15:00	Ultrasound-mediated delivery of nanomedicine for improved treatment of cancer and brain diseases <i>Marieke Olsman (NTNU)</i>		
<b>Kaffe</b>			
<b>Frie foredrag</b>			
<b>Toksikologi</b> <i>Møteleder: Odd André Karlsen (UiB)</i> Besseggen 1		<b>Farmakologi</b> <i>Møteleder: Kristine Hole (Diakonhjemmet)</i> Besseggen 2	
15:30	Subchronic dietary exposure to ethoxyquin dimer induces microvesicular steatosis in male BALB/c mice  <i>Annette Bernhard (IMR)</i>	Betydningen av SLC6A4-genotype for terapisivikt av escitalopram  <i>Kristine Alm (Diakonhjemmet)</i>	15:30
15:40	Nutrients, dioxins and dioxin-like PCBs in Norwegian fatty fish; risk or benefit?  <i>Ole Jakob Nøstbakken (IMR)</i>	Efficacy and Safety of Empagliflozin in Renal Transplant Recipients with Post-Transplant Diabetes Mellitus  <i>Kine Eide Kvitne (UiO)</i>	15:40
15:50	The effect of selenomethionine on methylmercury accumulation in BALB/c mice  Ragnhild Marie Mellingen (IMR)	Farmakodynamikk og arteriovenøs forskjell av intravenøs nalokson i friske frivillige som får remifentanil TCI  <i>Ida Tylleskär (NTNU)</i>	15:50
16:00	Health effects and toxicokinetics of deoxynivalenol and ochratoxin A in dietary exposed Atlantic salmon ( <i>Salmo salar</i> )  <i>Aksel Bernhoft (NVI)</i>	Kombinert betydning av CYP2C19- og CYP2D6-genotype for individuell variasjon i serumkonsentrasjon av escitalopram – en retrospektiv observasjonsstudie basert på data fra over 3000 pasienter  <i>Jenny Tran (Diakonhjemmet)</i>	16:00

16:10	High-dimensional immune cell profiling reveals functional immune signatures for patients with unknown mechanisms of allergic reactions to food  <i>Friederike Sonnet (FHI)</i>	CNP increases titin phosphorylation and decreases passive tension in cardiomyocytes  <i>Lise Román Moltzau (UiO)</i>	16:10
16:20	HEMA affect IL-1 $\beta$ release and phagocytosis in THP-1 macrophages  <i>Bergitte P Olderbø (NIOM)</i>	Dose intensity of antidepressants in older persons 2007-2017 – a study based on therapeutic drug monitoring data  <i>Kristine Tveit (HVL)</i>	16:20
16:30	Toxicity of combined exposure of HEMA and nicotine in PE/CA-PJ49 cells  <i>Solveig Uvsløkk (NIOM)</i>	Tacrolimus concentrations measured in capillary micro samples  <i>Rolf Klaasen (OUS)</i>	16:30
16:40	Biomagnification of PFAS in the Antarctic breeding south polar skua  <i>Laura Andrea Alfaro Garcia (UiO)</i>	Pharmacokinetics of a novel, approved, 1.4 mg intranasal naloxone formulation for reversal of opioid overdose- a randomised controlled trial  <i>Arne Skulberg (NTNU)</i>	16:40
<b>Pause</b>			
17:00	Using diet to explain the bioaccumulation of organic contaminants in Norwegian populations of killer whale ( <i>Orcinus orca</i> )  <i>Clare McEnally (UiO)</i>	Effect of CYP2C19 genotype on serum concentration of sertraline  <i>Line S. Bråten (Diakonhjemmet)</i>	17:00
17:10	How well do herring gull or eider duck represent pollution status in an urban fjord?  <i>Helene Thorstensen (UiO)</i>	Role of early changes in cardiac performances caused by calcineurin inhibitors in organs toxicities  <i>Bernadin Ndongson-Dongmo (UiO)</i>	17:10
17:20	Environmental contaminants in herring gull from two colonies in the Oslofjord, and maternal transfer to eggs  <i>Nina Cathrine Knudtzon (UiO)</i>	Antiepileptikabruk assosiert med økt risiko for terapivikt av klozapin  <i>Katrine Mathisen (Diakonhjemmet)</i>	17:20
17:30	DNA damage in dragonfly nymphs ( <i>Odonata</i> , <i>Anisoptera</i> ) living in highway runoff sedimentation ponds is correlated with pollution level  <i>Merete Grung (NIVA)</i>	Contactless quantification of tacrolimus-specific tremor  <i>Markus H. Hovd (UiO)</i>	17:30

17:40	Contaminant accumulation and biological responses in Atlantic cod ( <i>Gadus morhua</i> ) exposed to polycyclic aromatic hydrocarbons and perfluoroalkyl substances  <i>Karina Dale (UiB)</i>	
17:50	Towards more relevant exposure scenarios; transformation and ecotoxicological effects of Ag and TiO <sub>2</sub> nanoparticles transformed through wastewater treatment processes  <i>Anastasia Georgantzopoulou (NIVA)</i>	
18:00	In vitro assessment of estrogenic and androgenic effects of bisphenols on Atlantic cod ( <i>Gadus morhua</i> )  <i>Siri Ø. Goksøyr (UiB)</i>	
18:10	Accumulation of clothianidin, a neonicotinoid pesticide, in bumblebees ( <i>Bombus terrestris</i> )  <i>Malin Røyset Aarønes (UiB)</i>	
18:20	The Effects of Environmental Contaminants on Northern Crested Newt ( <i>Triturus cristatus</i> ) and Smooth Newt ( <i>Lissotriton vulgaris</i> ) Exposed to Road Water Runoff in Sedimentation Ponds  <i>Sofie Lindman (UiO)</i>	
<b>Postervisning</b>		
<b>Toksikologi</b> <i>Møteleder: Hubert Dirven (FHI)</i> <b>Besseggen 1 (kl. 18:30)</b>		<b>Farmakologi</b> <i>Møteleder: Lise Roman Moltzau (UiO)</i> <b>Besseggen 2 (kl. 17:45)</b>
In vitro assessment of estrogenic effects of bisphenols on Atlantic cod ( <i>Gadus morhua</i> ) <i>Christine T. Johansen (UiB)</i>		Effekt av uremiske toksiner på intestinal og hepatisk CYP3A-aktivitet i pasienter med terminal nyresvikt
Biological effects in Atlantic cod ( <i>Gadus morhua</i> ) and haddock ( <i>Melanogrammus aeglefinus</i> ) exposed to crude oil with and without UV radiation. <i>Zhanna Tairova (UiO)</i>		<i>Fahiza Arifi (UiO)</i>
Mercury, cadmium and lead in trout ( <i>Salmo trutta</i> ) from Norwegian lakes. <i>Vidar Berg (NMBU)</i>		A search for an allosteric binding site on the natriuretic peptide receptor A  <i>Henriette Andresen (UiO)</i>
Toxicity of PMMA nanoplastics in the marine microalgae <i>Rhodomonas salina</i> <i>Anastasia Georgantzopoulou (NIVA)</i>		Characterization of extracellular vesicles from human skeletal muscle cells  <i>Misbah Hussain (NTNU)</i>

<p>Adverse effects related to plastic additives exposure in Atlantic cod (<i>Gadus morhua</i>) <i>Hilde Andersen (NMBU)</i></p> <p>Aktivering av aryl hydrokarbon reseptor (Ahr) signalveien hos egg og larve fra Atlanterhavstorsk etter råoljeeksponering med og uten UV- bestråling <i>Lars Eirik Myklatun (UiB)</i></p> <p>Uptake and effects of microplastics from feed in Atlantic cod (<i>Gadus morhua</i>) <i>Syver Hauge (UiO)</i></p> <p>Effects of Ag and TiO<sub>2</sub> nanoparticles before and after wastewater treatment processes: an in vitro approach using <i>Eisenia fetida</i> coelomocytes <i>Anastasia Georgantzopoulou (NIVA)</i></p> <p>How do different environmental contaminants effect the activity of transcriptional factors in blue whales (<i>Balaenoptera musculus</i>)? <i>Karoline Viberg (UiB)</i></p> <p>Results from the Norwegian human biomonitoring study in the EuroMix project: Exposure to the pesticides boscalid and imazalil from the diet in Norway <i>Friederike Sonnet (FHI)</i></p> <p>Maternal exposure to a mixture of persistent organic pollutants have long-lasting effects on gut metabolite composition but not on colorectal cancer. <i>Silje Modahl Johanson (NMBU)</i></p> <p>Cardiopulmonary effects of acute inhalation exposure of rats to exhaust emissions with and without particle filter - The Preventap project <i>Anna J. Lauvås (FHI)</i></p> <p>A mouse model for Acute Myeloid Leukemia reveals a dose rate response after ionizing radiation <i>Dag Eide (FHI)</i></p>	<p>Behandling av humane skjelettmuskelceller med selektive hemmere for diacylglycerol acyltransferase 1 og 2 viser at de har ulike roller i glukosemetabolismen  <i>Ali Afshar (UiO)</i></p> <p>Effekten av kjønns hormoner på differensiering av stamceller til osteoblaster og regulering av cysteinproteasene legumain og cathepsin B  <i>Mustafa Awale (UiO)</i></p>
20:00	<b>Middag</b>
22:00 - 22:30	<b>Kveldsnytt</b> Besseggen 2

<b>Lørdag 26. januar</b>		
<b>Generalforsamling og årsmøter</b>		
09:00 - 09:30	Årsmøte Seksjon for toksikologi Besseggen 1	Årsmøte Seksjon for farmakologi Besseggen 2
09:30 - 10:30	Generalforsamling Norsk Selskap for Farmakologi og Toksikologi Besseggen 2	
12:30 - 14:00	<b>Lunsj</b>	
Beitoforelesningen 2019 (BCPT-sponsored) <i>Møteleder: Hubert Dirven (FHI)</i> BEITOHALLEN		
14:00 - 14:45	Science and society – nice to know or need to know? <i>Alan Boobis (Imperial College, London)</i>	
Nordic symposium (BCPT-sponsored) The Immune system: from therapy to toxicology Fellessymposium <i>Møteleder: Mohammad Nouri Sharikabad (FHI)</i> BEITOHALLEN		
14:50 - 15:20	The CGRP Pathway in Migraine as a Viable Target for Therapies <i>Prof Lars Edvinsson (Lund Universitet)</i>	
<b>Kaffe</b>		
15:50 - 16:20	Immunotoxicology – the youngster in toxicology but with a bright future <i>Unni C. Nygaard (FHI)</i>	
16:20 - 16:50	Manipulating the immune system to treat cancer, how does it work and who is doing what in Oslo Cancer Cluster? <i>Øyvind Kongstun Arnesen (Ultimovacs AS)</i>	
<b>Pause</b>		

Toksikologi Hazard and exposure assessments of mixtures of chemicals for human health <i>Møteleder: Hubert Dirven (FHI)</i> Besseggen 1		Farmakologi Treatment of psychotic disorders <i>Møteleder: Ida Robertsen (UiO)</i> Besseggen 2	
17:10 - 17:40	Strategies for exposure and hazards assessment of mixtures as developed in the H2020 EuroMix project <i>Trine Husøy (FHI)</i>	The complexity of psychotic disorders and treatments <i>Nils Eiel Steen (UiO)</i>	17:10 - 17:30
17:40 - 18:10	Effect studies with human relevant mixtures of persistent organic pollutants (POPs) <i>Erik Ropstad (NMBU)</i>	Personalized medicine in antipsychotic treatment <i>Espen Molden (Senter for Psykofarmakologi/UiO)</i>	17:30 - 17:50
		The Norwegian prednisolone in early psychosis study <i>Rune Kroken (HUS/UiB)</i>	17:50 - 18:10
20:00	<b>Festmiddag</b>		

<b>Søndag 27. januar</b>	
08:00 - 12:00	<b>Brunsj</b>