

| Fredag 6.mai | | |
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| 12:00 - 13:30 | Ankomst + Lunsj | |
| 13:30 | Velkommen <i>v/ NSFTs leder Mohammad Nouri Sharikabad; Folkehelseinstituttet</i> | |
| Keynote lecture (BCPT sponsored) | | |
| 14:00 - 14:45 | Medicines shortages; why, who, what, how? <i>Sayeh Ahrabi; Legemiddelverket</i> | |
| 14:45 - 15:00 | Pause | |
| | Current trends in Nanotoxicity Chair: Jason Matthews | Statins Chair: Stein Bergan |
| 15:00 | Nanotoxicology: achievements, current and future challenges. <i>Shan Zienoldiny; STAMI</i> | To be, or not to be – adherent to statins. Nils Tore Vethe, Oslo universitetssykehus |
| 15:25 - 15:50 | Nanotoxicology: status, challenges and needs - an environmental perspective. <i>Anastasia Georgantzopoulou; NIVA</i> | Statin adverse events – common and important, or merely nocebo? Oscar Kristiansen, Drammen sykehus |
| 15:50 - 16:20 | Pause | |
| 16:30 - 18:00 | Frie foredrag I Toksikologi - Chair: Jason Matthews | Frie foredrag I Farmakologi - Chair: Jenny Lund |
| 16:30 | Espen Mariussen: A bronchial cell culture model to investigate toxicological effects of particulate matter | Kine Eide Kvitne: Short- and long-term effects of body weight, calorie restriction, and gastric bypass on CYP1A2-, CYP2C19-, and CYP2C9 activity |
| 16:45 | Maria Thérèse Hultman: Intrinsic clearance efficiency of the three-dimensional rainbow trout (Oncorhynchus mykiss) hepatocyte model when assessing three different fragrance chemicals | Dulasi Arunthavarajah: Effects of chronic pharmacological activation of GC-B with CNP in a mouse model of heart failure with preserved ejection fraction |

| Lørdag 7.mai | |
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| 07:30 - 09:00 | Frokost |
| Fellesesjon Poulsen Prize 2020 | |
| 09:00 - 10:15 | Pure serendipity: a clinically relevant drug-drug interaction in organ transplantation <i>Teun van Gelder; Leiden University Medical Center, The Netherlands</i> |
| 10:15 - 11:00 | Pause |
| Fellesesjon - - - Mikrobiota Chair: Hilde Karin Midthaug | |
| 11:00 - 11:45 | Gut microbiota and auto-immunity: From initial clinical observations to more mechanistic and therapeutic approaches <i>Anna-Maria Hoffmann-Vold; Oslo universitetssykehus</i> |
| 11:45 - 12:30 | On microbiota, intestinal barrier and colorectal cancer in mice <i>Harald Carlsen; NMBU</i> |
| 12:30 - 14:00 | Lunsj |
| Priser for årets beste artikler 2020 og 2021 Fellesymposium Chair: Jason Matthews/Ngoc N. Lunde/Jenny Lund (BCPT sponsored) | |
| 14:00 - 14:20 | Årets artikkel 2021 farmakologi: <i>Jenny Lund og Solveig Krapf; Farmasøytisk inst, UiO</i> ; SENP2 is vital for optimal insulin signaling and insulin-stimulated glycogen synthesis in human skeletal muscle cells |
| 14:20 - 14:40 | Årets artikkel 2021 toksikologi: <i>Libe Aranguren-Abadia; Inst for biovitenskap, UiB</i> ; Photo-enhanced toxicity of crude oil on early developmental stages of Atlantic cod (Gadus morhua) |

| Søndag 8.mai | | |
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| 07:30 - 09:00 | Frokost | |
| Nordic symposium The aryl hydrocarbon receptor – from toxicity to a novel therapeutic target for human diseases (BCPT sponsored) Chair: Mohammad Nouri Sharikabad | | |
| 09:00 - 09:35 | Targeting Aryl Hydrocarbon Receptor for Cancer Treatment and Improved Immunotherapy. <i>Jason Matthews; UiO</i> | |
| 09:45 - 10:30 | Detrimental vs. beneficial functions of the AHR in intestinal homeostasis - a critical role of CYP1 enzymes in regulating AHR physiology and toxicity. <i>Emma Wincent; Karolinska Institutet</i> | |
| 10:30 - 11:00 | Pause | |
| | Using fish as models for identifying toxic drivers and mechanisms of toxicity; results from 3 interconnected projects Chair: Odd André Karlsen | Heart failure Chair: Jenny Lund |
| 11:00 - 11:25 | Toxicological characterization of produced water compounds using fish embryos <i>Bjørn Henrik Hansen; SINTEF</i> | Pathophysiology-based pharmacological treatment of heart failure <i>Finn Olav Levy; UiO</i> |
| 11:25 - 11:50 | Understanding the downstream effects of oil induced cardiotoxicity <i>Elin Sørhus; Havforskningsinstituttet</i> | Guideline-directed drug therapy for chronic heart failure <i>Kaspar Broch; Oslo universitetssykehus</i> |
| 11:50 - 12:15 | Atlantic cod receptor-based reporter bioassays for assessing environmental toxicity of sediments, effluents and chemicals - outcomes from the dCod project. <i>Anders Goksøyr; Universitetet i Bergen</i> | |
| 12:15 | Avslutning <i>v/ NSFTs leder Mohammad Nouri Sharikabad (FHI)</i> | |

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| 17:00 | Odd André Karlsen: A binary mixture of PFOS and PFOA elicits a potentiating effect on the peroxisome proliferator-activated receptor alpha 1 (PPAR α) from Atlantic cod (<i>Gadus morhua</i>) | Miriam Aarsund: Natural killer cell-derived extracellular vesicles as potential therapeutics for solid cancer |
| 17:15 | Mayes Alswady-Hoff: Mechanisms of carcinogenic potential of occupational exposure to manufactured nanomaterials | Nicole Santuccio: Understanding novel ligand binding to the mu-opioid receptor (MOR) |
| 17:30 | | Mette Ovesen: Connections between Natriuretic Peptides and Cardiac Mitochondria |
| 17:45 | | Lise Román Moltzau: Natriuretic peptides, apoptosis and cardiac mitochondria |
| 19:30 | Middag | |

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| 14:40 - 15:10 | Pause | |
| 16:30 - 18:00 | Frie foredrag II Toksikologi - Chair: Jason Matthews | Frie foredrag II Farmakologi - Chair: Jenny Lund |
| 15:10 | Anders Goksøy: Using fin whale fibroblasts in toxicological studies | Ida Robertsen: Impact of fasting status and circadian variation on the pharmacokinetics of mycophenolate mofetil and glucuronide metabolite in renal transplant recipients |
| 15:25 | Aksel Bernhoft: Sustainable cereal production reduces important <i>Fusarium</i> mycotoxins | Markus Herberg Hovd: Robustness of a limited sampling strategy for plasma iohexol clearance |
| 15:40 | Inga Dæhlen Bøhn: Loss of AHR reduces pancreatic cancer cell migration | Nimo Mukhtar Mohamad Osoble: Regulation of legumain in energy metabolism and crosstalk between myotubes and differentiating osteoblasts |
| 15:55 | Karoline Alvik Hagen: The DNA-binding domain of the Aryl hydrocarbon receptor is vital for protection against chemically induced colitis in mice | Emilie Steinbakk Ulriksen: Pectic polysaccharides from Norwegian <i>Angelica</i> show potent NK cell activation |
| Postervisning farmakologi Chair: Jenny Lund (3 min oral followed by poster round) | | |
| 16:10 | Firas Alrawaf: The cysteine protease legumain in type 2 astrocytes and Parkinson's disease | |
| 16:13 | Alfreda Serwah Antobreh: Effects of skeletal muscle cells on metabolism and regulation of the cysteine protease legumain in differentiating osteoblasts | |
| 16:16 | Andrea Dalmao-Fernandez: Development of a 3D cell-model of myotubes in culture. | |
| 16:19 | Parmeshwar Katare: Modulation of energy metabolism by eicosapentaenoic acid in skeletal muscle cells from lean and obese individuals | |
| 16:22 | Daiana Sedneva-Lugovets: The influence of cytohesin inhibitor SecinH3 on natriuretic peptide signalling in cardiomyocytes | |
| 19:30 | Middag og prisutdeling | |