



NAFT conference 21.-23.5.2025 Helsinki

Scientific program

Wednesday 21.5.2025 13.30			
Session 1		Drug use & fatal poisonings	
13.30	Welcome		
13.45	O1	Thomas Olsen	Prevalence of psychoactive substance-use related cardiovascular mortality from 2004 to 2021 in Norway: Integrating data from autopsies, toxicology and registry linkage
14.00	O2	Hilde Marie Erøy Edvardsen	Fatal poisonings in the Nordic countries in 2022 among people who use drugs
14.15	O3	Anna Armika Tussilago Nyman	Use of Gabapentinoids in Norway 2005-2021
14.30	O4	Kirsten Wiese Simonsen	Fatal poisoning among people who use drugs in Denmark in 2022
14.45	O5	Teemu Gunnar	National wastewater monitoring program for illicit drugs in Finland and triangulating data with other drug use indicators
Wednesday 21.5.2025 15.45			
Session 2		PM toxicology	
15.30	O6	Stine Lund Hansen	Which alternative matrix to choose in postmortem toxicology when femoral blood is not an option?
15.45	O7	Mikayla Zoë van der Meer	Is Brain Tissue Suitable for Forensic Toxicological Analysis?
16.00	O8	Raimo Ketola	Screening, confirmation, prevalence and fatality of digoxin in Finland 2012-2025
16.15	O9	Stine Marie Havig	Prescriptions and drug concentrations in methadone deaths: A registry-linked cross-sectional study of autopsy cases in Norway between 2004 and 2021

Thursday 22.5.2025 9.00			
Session 3		Clinical toxicology	
9.00	O10	Joachim Frost	Doses, serum concentrations and diagnoses of Norwegian quetiapine users 2001–2019 in a therapeutic drug monitoring material
9.15	O11	Joachim Frost	Distribution of quetiapine between serum and whole blood in TDM specimens
9.30	O12	Gudrun Høiseth	Relation between PEth-concentrations and amount of ethanol ingested
9.45	O13	Antti Jylhä	Phosphatidylethanol (PEth) is a promising tool for screening alcohol consumption during pregnancy
10.00	O14	María Erla Bogadóttir	Intake of pure bromazolam powder, a case study
Thursday 22.5.2025 10.45			
Session 4		NPS	
10.45	O15	Anna Åstrand	In vitro structure relationship activity and molecular dynamic simulation studies of JWH-018, AM-2201, THJ-018, THJ-2201 and their metabolites on the hCB1 receptor
11.00	O16	Darta Stalberga	Activity characterization of four ADB- synthetic cannabinoids and their tail hydroxylated metabolites
11.15	O17	Mattias Persson	Receptor activation and toxicological profiles of nitazene analogs in autopsy cases
11.30	O18	Anna Pelander	Assigning nitazene marker molecules, fluetonitazepyne as an example
11.45	O19	Huiling Liu	Cannabinoids Reference Standards: Essential Tools for Accurate Cannabis Product Analysis
Thursday 22.5.2025 12.00			
Session 5		Metabolomics & machine learning	
12.00	O20	Lisa M. Menacher	Deep Learning for Cause-of-Death Screening from routinely collected raw LC-HRMS Data
12.15	O21	Albert Elmsjö	Toxidromics - A Metabolomics based Approach to Classifying Postmortem Intoxication Cases
(Lunch break)			
13.30	O22	Ida Marie Marquart Løber	Bridging the Gap: From Rat Models to Human Validation of Postmortem Metabolome-Based PMI Estimation
13.45	O23	Pia Johansson Heinsvig	Feature mapping of 1000 serum samples measured with LC-HRMS untargeted metabolomics
14.00	O24	Frederik Skovbo	TraceAge: A Machine Learning Approach to Estimating Blood Sample Time-of-Deposition
Thursday 22.5.2025 14.45			
Session 6		Method and process development	
14.45	O25	Rogier van der Hulst	An upgrade of the Dutch forensic toxicological research, the shift in perspective
15.00	O26	Marit Langødegård	Determination of twenty commonly found compounds in DUI and autopsy cases in whole blood using automated 96-well phospholipid removal plate and UHPLC-MS/MS
15.15	O27	Terhi Launiainen	Dilute & shoot approach for toxicology testing
15.30	O28	Christian Brinch Møllerup	When Switching Isn't Simple: Consumable Issues in HS-GC-FID

Friday 23.5.2025 9.00-11.00			
WORKSHOPS			
9.00	PM toxicology	Toxicology of DUI cases	
Friday 23.5.2025 11.30			
Session 7		Traffic & doping	
11.30	O29	Nina Lauronen	Quality control of evidential breath analyzers
11.45	O30	Jakob Ross Jornil	Cutoff value for enantiomer ratio of amphetamine in Danish DUID cases – what is legal or not?
12.00	O31	Katarina Lindroos	Association of anabolic androgenic steroid use with perimortem polypharmacy, antemortem prescription drug use, and utilization of health care services – A Finnish triple register study of forensic autopsy cases
12.15	O32	Jessica Bragd	Development and validation of a LCMSMS method for confirmation of anabolic androgenic steroids (AAS) in Urine.
12.30	Closing of the conference		

Welcome reception
21.5.2025 at 19.00 Hotel Valo

General assembly
22.5.2025 at 16.00

Conference dinner
22.5.2025 at 19.00 Mestaritalli