

Program – 26. Norske Symposium i Kromatografi

Søndag 21/1-2024

14.00-17.00 **Registrering**

17.00-17.15 **Velkommen – BANKETTEN**
Komiteén

Seksjon: Nytt fra Forskningsfronten (Ordstyrer: Trine Grønhaug Halvorsen) – BANKETTEN

17.15-18.00 ***SFC in analysis of pharmaceuticals, cosmetics and food - Are we getting closer to routine use?*** (F1)
Caroline West, Universitetet i Orléans, Frankrike

18.00-18.30 ***Kjemometriske teknikker i kromatografi og massespektrometri*** (F2)
Svein Are Mjøs, Universitetet i Bergen

18.30-19.00 **Pause**

19.00-20.00 ***Matriks inviterer til overraskelse i Banketten*** (F3)

20.00- **Middag i restauranten**

22.00- **Tre Lykter**

Mandag 22/1-2024

Seksjon: Nytt fra Forskningsfronten (Ordstyrer: Stig Pedersen-Bjergaard) - BANKETTEN

- 9.00-9.30 **Stationary phases for efficient chiral separations in liquid chromatography** (F4)
Michael Lämmerhofer, Universitetet i Tübingen, Tyskland
- 9.30-10.00 **Analysis of chemical warfare agent biomarkers** (F5)
Ingvild Comfort Hvinden, Forsvarets Forskningsinstitutt

10.00-10.30 Utstilling/Plakater/Kaffe/Sen registrering

Seksjon: Bioanalyse av proteiner (Ordstyrer: Maren Levernæs) - BANKETTEN

- 10.30-10.45 **Smart sampling: next-generation DBS samplers for LC-MS based protein analysis** (F6)
Leon Reubsaet, Universitetet i Oslo
- 10.45-11.00 **One-step functionalization of paper and simplified antibody immobilization for on-the-spot immunocapture from dried serum in LC-MS-based targeted protein determination** (F7)
Ago Mørsg, Universitetet i Oslo
- 11.00-11.15 **Classical chromatographic methods and spectroscopic methods – different approaches for protein analysis** (F8)
Greta Nardini, Norges miljø- og biovitenskapelige universitet

Seksjon: Prøveopparbeidelse og separasjonsteknologi (Ordstyrer: Cato Brede) – GALLERIET

- 10.30-10.45 **Generic liquid membranes for electromembrane extraction of basic and acidic analytes with a wide range of hydrophobicity** (F10)
Frederik André Hansen, Universitetet i Oslo
- 10.45-11.00 **Survey of ethanol content in fermented food and drink with the smart, simplified, and sustainable GC 2400 platform** (F11)
Daniel Flieqel, PerkinElmer EMEA
- 11.00-11.15 **A new purification tool for gas chromatography** (F12)
Jens Glastrup, MSCi ApS, Danmark
- 11.15-11.30 **Analytical chemistry, organoids and organ-on-a-chip** (F13)
Hanne Røberg-Larsen, Universitetet i Oslo

11.30-12.00 Utstilling/Plakater/Kaffe/Sen registrering

Seksjon: Firmapresentasjoner (Ordstyrer: Espen Storbråten) – BANKETTEN

- 12.00-12.05 **Matriks (L1)**
12.05-12.10 **Nerliens Meszansky AS (L2)**
12.10-12.15 **Chiron AS (L3)**
12.15-12.20 **PerkinElmer (L4)**
12.20-12.25 **SAMSI (L5)**
12.25-12.30 **LECO (L6)**

12.30-13.30 **Lunsj**

Seksjon: Nytt fra Forskningsfronten (Ordstyrer: Hanne Røberg-Larsen) - BANKETTEN

- 13.30-14.00 **Studying environmental exposure via human biomonitoring (F14)**
Tina Kosjek, Jožef Stefan Instituttet, Slovenia
- 14.00-14.30 **Gasskromatografi som verktøy for monitorering av lite nedbrytbare miljøgifter (F15)**
Roland Kallenborn, Norges miljø- og biovitenskapelige universitet

14.30-14.45 **Utstilling/Plakater/Kaffe**

Seksjon: Bioanalyse (Ordstyrer: Leon Reubsæet og Lisa Myrseth Hemmingsen) - BANKETTEN

- 14.45-15.00 **Which LC system should I use for my bioanalytical application? (F16)**
Steven Wilson, Universitetet i Oslo
- 15.00-15.15 **Automated sample filtration, clean-up, and analysis for organoid and organ-on-chip samples (F17)**
Stian Kogler, Universitetet i Oslo
- 15.15-15.30 **Analytical strategies for the detection of new semi-synthetic and synthetic cannabinoids and their metabolites in seized drugs and toxicology samples (F18)**
Craig McKenzie, Chiron AS

15.30-15.45 **Utstilling/Plakater/Kaffe**

- 15.45-16.00 **Measuring steroid hormones in saliva samples for clinical management of ill new-borns using LC-MS/MS (F19)**
Sandra R. Dahl, Oslo Universitetssykehus

UTGÅR ~~**Quantitative Analysis of Designer Benzodiazepines in Human Urine by LC-MS/MS (F20)**~~
~~*Charles Webb, Phenomenex, Danmark*~~

16.00-16.15 *Towards multimodal analysis of gastruloids and organoids* (F21)
Malgorzata Zawadzka, Universitetet i Oslo

Seksjon: Miljøanalyser (Ordstyrer: Anna Nordborg og Frederik A. Hansen) – GALLERIET

14.45-15.00 *Gas chromatographic determination of VOC emissions from powdered adhesives – industry stack emissions vs laboratory studies* (F22)
Kristian Andersson, Dynea

15.00-15.15 *Estimating LoD-s based on the ionization efficiency values for reporting and harmonization of amenable chemical space in non-targeted screening LC/ESI/HRMS* (F23)
Amina Souihi, Stockholms universitet, Sverige

15.15-15.30 *How to identify residues of volatile chemical threat agents after a criminal incident* (F24)
Elisa Wiborg, Forsvarets forskningsinstitutt

15.30-15.45 **Utstilling/Plakater/Kaffe**

15.45-16.00 *Critical insights in the detection of PFAS in our environment: A deeper look at various methods in water samples* (F25)
Derek J. Mattern, PerkinElmer, Tyskland

16.00-16.15 *PFAS – Analyteløsninger som sikrer suksess* (F26)
Ørian Espeseth, Matriks AS

16.15-16.30 *Supporting environmental toxicology studies: the analytical characterisation of diverse per- and polyfluoroalkyl substances (PFAS) from industrial precursors and technical to pure linear isomers* (F27)
Craig McKenzie, Chiron AS

16.30-17.30 **Utstilling/Plakater/Kaffe/ – alle posterpresentatører er til stede på posteren**

19.00- **Aperitiff på Balustraden**

19.30- **Symposiummiddag**

22.00- **Tre Lykter**

Tirsdag 23/1-2024

Seksjon: Nytt fra forskningsfronten (Ordstyrer: Terje Vasskog) - BANKETTEN

- 9.00-9.30 ***The role of chromatography in increasing the coverage of metabolites in metabolomics*** (F28)
Thomas Moritz, Københavns universitet, Danmark
- 9.30-10.00 ***Chromatography in natural product discovery*** (F29)
Kine Østnes Hansen, UiT Norges Arktiske Universitet

10.00-10.30 Utstilling/Plakater/Kaffe – utsjekk fra rommet

Seksjon: Metabolomikk (Ordstyrer: Steven Wilson) – BANKETTEN

- 10.30-10.45 ***Implementation of global metabolomics and lipidomics as diagnostic tools in the clinic*** (F30)
Katja B Prestø Elgstøen, Oslo universitetssykehus
- 10.45-11.00 ***Investigating the effects of high-intensity training (HIT) using global LC-MS metabolomics and lipidomics*** (F31)
Hanne B. Skoqvold, Oslo universitetssykehus
- 11.00-11.15 ***Capillary flow anion-exchange chromatography as an efficient tool for untargeted metabolomics*** (F32)
Rachel Williams, Chemistry Research Laboratory, United Kingdom
- 11.15-11.30 ***Bruk av revers fase- og komplementær HILIC kromatografi i metabolomikkstudie av kardiovaskulær sykdom*** (F33)
Torbjørn Norberg Myhre, UiT Norges Arktiske Universitet
- 11.30-11.45 ***Exploring high-throughput analysis of polar, endogenous metabolites achieved by electromembrane extraction coupled to LC-MS/MS*** (F34)
Anne Oldeide Hay, Universitetet i Oslo

Seksjon: Bioprospektering og industriell prosessering (Ordstyrer: Kenneth Aase Kristoffersen) – GALLERIET

10.30-10.45 **Fast mass spectrometry-based screening and complementary analysis for enzyme discovery and characterization of xylan debranching enzymes** (F35)
Anna Nordborg, SINTEF Industry

10.45-11.00 **Unveiling monolignol oxifunctionalization by direct infusion electrospray ionization tandem mass spectrometry** (F36)
Rannei Skaali, Norges miljø- og biovitenskapelige universitet

11.00-11.15 **Production of Ciona Intestinalis: A Sustainable Protein and Cellulose Source** (F37)
Vilde Grindahl, Norges miljø- og biovitenskapelige universitet

UTGÅR ~~**Applications of GPC/SEC in industry and academia** (F38)~~
~~Sven Bahrke, Knauer wissenschaftliche Geräte GmbH, Tyskland~~

11.15-11.30 Multi-detector field flow fractionation as the perfect tool for gene therapy formulation development and control quality (F39)
Jeremie Parot, SINTEF Industry

11.45-12.00 **Utstilling/Plakater/Kaffe**

Seksjon: Firmapresentasjoner (Ordstyrer: Even Teigland) – BANKETTEN

12.00-12.05 **Triolab (L7)**

12.05-12.10 **Software Point – LabVantage Nordics (L8)**

12.10-12.15 **Waters (L9)**

12.15-12.20 **Evosep (L10)**

12.20-12.25 Shimadzu (L11)

Seksjon: Nytt fra Forskningsfronten (Ordstyrer: Helle Malerød-Fjeld) – BANKETTEN

12.30-13.00 **Multicolumn continuous chromatography for efficient purification of biopharmaceuticals** (F40)
Martina Catani, Universitetet i Ferrara, Italia

13.00-13.15 Avslutning
Helle Malerød-Fjeld

13.15-14.15 **Lunsj**