



Advancements and future perspectives in chemical analysis 11.4.2024

Chairperson: Samuel Mesihää

10:00–10:10 Opening words

Elina Kalenius, Chair, Finnish Mass Spectrometry Society

Samuel Mesihää, Chair, The Finnish Chromatography Society

10:10–10:40 Plenary: Advancements and future perspectives in chemical analysis

Raimo Ketola, laboratory manager, Finnish institute of health and welfare

10:40–11:00 Urine drug screening with high-resolution time-of-flight mass spectrometry with a new, highly enhanced heated electrospray ionization technique

Mira Sundström, forensic chemist, Finnish institute of health and welfare

11:00–11:20 Työntekijöiden kemikaalialtistumisen biomonitorointi

Tiina Rantio, johtava asiantuntija, Työterveyslaitos

11:20–13:00 Lunch break

13:00–13:30 Machine learning for structural annotation of small molecules using LC-MS/MS data

Juho Rousu, Professor, Aalto University

13:30–13:45 Analytical chemistry: a key factor in circular economy

Ari Väisänen, Professor, University of Jyväskylä

13:45–14:00 A story of Admescope – entrepreneur in the field of drug analysis

Ari Tolonen, CSO & Head of in vitro Metabolism and Biotransformations, Admescope

14:00–14:30 Coffee break

14:30–15:00 Can mass spectrometry be used for molecular imaging on a tissue sample, and how?

Marc Baumann, Research director, University of Helsinki



15:00-15:30 Ion mobility mass spectrometry: adding a new dimension to structural chemistry and small molecule identification

Elina Kalenius, Senior lecturer, University of Jyväskylä

15:30–15:50 Redefine the Boundaries of Science with Cyclic Ion Mobility Mass Spectrometry

Susan Slade, Principal Applications Chemist, Waters

15:50–16:00 Closing Remarks

Elina Kalenius, Chair, Finnish Mass Spectrometry Society

Samuel Mesihää, Chair, The Finnish Chromatography Society

Organisers of the seminar: Finnish Mass Spectrometry Society & The Finnish Chromatography Society