

FMSS Fall Seminar 2026

Advances in Metabolomics: From Analytical Techniques to Biological Insights

**Date:**

Thu 22.10.2026

Location:

University of Turku, Main Building, Tauno Nurmela hall

10.30 → Coffee and sandwiches

11-13 → **Morning session**

- 11.00 Opening of the day, Chair Maarit Karonen
- 11.05-11.35 Plenary: Professor Kati Hanhineva (Food Sciences Unit): LC-MS metabolomics in food and nutrition research
- 11.35-11.50 Stefanie Wernisch (Bruker): Big technologies for small molecules
- 11.50-12.20 Plenary: Alex Dickens (CCMA): The role of PFAS in the developing brain
- 12.20-12.35 Otto Savolainen (Waters): The power of multiomics on the Xevo MRT P10
- 12.35-12.50 Jonathan Spencer (Agilent): Altura LC columns and the Hybrid Multisampler: how new LC tools can address challenging samples in LC/MS workflows

13-14 → Lunch

14-15.30 → **Afternoon session**, Chair Elina Kalenius

- 14.00-14.30 Plenary: Professor Juha-Pekka Salminen (NCRG): How to reveal significant patterns in nature and natural products: the use of compound group -specific UHPLC-MS/MS methods instead of traditional metabolomics
- 14.30-14.45 Mikael Fabritius (Food Sciences Unit): Advancing food lipidomics towards regioisomer resolution
- 14.45-15.00 Michal Kaczmarek (Thermo Fisher Scientific): Confidence not complexity. Metabolomics powered by Orbitrap
- 15.00-15.15 Dominika Oleseva (CCMA): Spatial lipidomics maps lesion architecture and vasogenic oedema in a mouse model of multiple sclerosis
- 15.15-15.30 Valtteri Rinne (Admescope): Modern pharmaceutical modalities and their investigation via LC-MS in ADME research

15.30-17 → **Lab tours**: Food Sciences Unit, NCRG & CCMA

17-19 → **Autumn Meeting** at University of Turku, Aurum, Aqua, 5th floor

- 17-17.30 FMSS Autumn Meeting, Chair Nina Sipari
- 17.30-19 Free discussions with wine and snacks

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