



Agenda

Wednesday, December 10th

13:00	Registrations of Participants
	Opening remarks
	Giuliana Bianco – <i>President DSM-SCI</i>
14:30	Derek Craston – <i>President ACD-IUPAC</i>
	Angelo Fontana – <i>Director ICB-CNR</i>
	Eugenia Eftimie Totu – <i>President Eurachem</i>
	Federico Pecoraro – <i>Vice Direttore Dipartimento Laboratori di prova Accredia</i>
15:15	Introduction and Presentation IUPAC project on LC-MS method validation
	Fabiana Piscitelli – <i>ICB-CNR</i>
	Session 1 – “Fit for Purpose” – Principles of LC-MS Method Validation
	Chairs: Giuliana Bianco and Ivo Leito
15:30	KN01 - Principles of method validation
	Riin Rebane– <i>University of Tartu, Estonia</i>
16:10	KN02 - From Principles to Practice: LC-MS Method Validation Illustrated by Real-World Applications
	Manuela Moreira– <i>Instituto Politécnico do Porto, Portugal</i>
16:50	BI01 - Maximum Performance, Minimal Preparation, Even in the Most Complex Matrices – PerkinElmer's QSight 500 is the Solution
	Alessandro Fabiani – <i>Perkin Elmer, Italy</i>
17:00	Coffe break and Poster session
	Session 2- Regulatory & QA Perspectives – Meeting Global Standards
	Chairs: Emanuela Gregori and Vincenzo Abbate
17:30	KN01 - Food safety: criteria for valid LC-MS methods
	Marina Patriarca– <i>Eurachem-Italia</i>
	Maurizio Fiori– <i>Istituto Superiore di Sanità, Italy</i>
18:10	OR01 - Performance criteria for mycotoxins and plant toxins analysis in food and feed. The EURL guidance document
	Barbara De Santis– <i>National Reference Laboratory for Mycotoxins, Dept. Food Safety, Nutrition and Veterinary Public Health, Istituto Superiore di Sanità, Italy</i>
18:30	KN02 - Assuring reliable results in anti-doping analysis
	David Cowan– <i>King's College London, UK</i>
19:10	Session ends and Closing remarks

Thursday, December 11th

Session 3– Practical Challenges – Matrix Effects, Stability, and Interferences

Chairs: Eugenia Eftimie Totu and Derek Craston

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| 09:00 | KN01 - Matrix Effect: A Review from Literature to Regulation
Marios Kostakis– <i>Eurachem, University of Athens, Greece</i> |
| 09:40 | OR01 - DoE-driven workflow for reliable peptide quantification in saliva of chronic kidney disease patients
Mariano De Cristofaro– <i>Università di Pisa, Italy</i> |
| 10:00 | OR02 - Development and validation of a LC-MS/MS method for the quantification of commendamide and its congeners in biological matrices associated with obesity and type 2 diabetes: an interlaboratory study
Oumaima Azeggouar Wallen– <i>Université Laval, Canada</i> |
| 10:20 | KN02 - Challenges of Standardisation and Traceability in LC-MS
Tabatha Hambidge– <i>LGC, UK</i> |
| 11:00 | BI01 - Pushing the Limits of Robustness and Pushing the Limits of Robustness and Sensitivity: Shimadzu LCMS-8065XE on Food and Environmental Analysis: Shimadzu LCMS-8065XE on Food and Environmental Analysis
Domingo Pastran– <i>Shimadzu, Italy</i> |
| 11:10 | Coffe break and Poster session |
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Session 4– Validation in the Real World – Applications Across Fields

Chairs: Fabiana Piscitelli and Marios Kostakis

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| 11:30 | KN01 - What are the issues encountered in the real world? Lessons learned form an online validation course
Ivo Leito– <i>University of Tartu, Estonia</i> |
| 12:10 | OR01 - Development of an HPLC-MS/MS method for the analysis of mycotoxins in apple products
Henry Mackeown– <i>Laimburg Research Center, Italy</i> |
| 12:30 | OR02 - New integrated workflows for comprehensive broad scope pesticides analysis in food
Claudio Ghilardi– <i>Thermo Fisher, Italy</i> |
| 12:50 | KN02 - The ScreenFood project: validation of IDMS methods for quantification of PFAS in food matrices
Chiara Portesi– <i>Istituto Nazionale di Ricerca Metrologica, INRiM, Italy</i> |
| 13:30 | Lunch Break, Poster session |
| 14:30 | KN03 - Streamlining Metabolomics: From Broad Discovery to Targeted Validation
Eduardo Sommella– <i>University of Salerno, Italy</i> |
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Session 5– Hands-on Session: Software Tools for LC–MS Method Validation
Chairs: Marco Gaspari and Manuela Moreira

15:10 **KN01 - ValChrom open-access online validation software**

Asko Laaniste – *University of Tartu, Estonia*

16:10 **OR01 - Methods Validation App (MVA): A Freeware Tool For Enhancing Analytical Method Validation**

Giovanni Solarino – *University of Turin, Italy*

16:30 **KN02 - ADVerSE: An R Package for Analytical Method Validation and Performance Assessment**

Roberta Galarini – *Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche, Italy*

17:30 End of the works and General Assembly for members of the Division of Mass Spectrometry of the Italian Chemical Society (DSM-SCI)



List of Posters

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| P01 | Comprehensive three- laboratory validation of a multiclass LC-HRMS method for the determination of antibiotic residues in processed meat products according to regulation (EU) 2021/808

<i>Veronica Pieragostini– Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche, Italy</i> |
| P02 | Development and validation of a NANOLC-TIMS-MS/MS method for structural characterization of plasma and DBS N-GLYCANS

<i>Claudia Fumagalli –Università degli Studi di Milano- Bicocca</i> |
| P03 | LC-MS/MS and siscapa technology: a novel approach for accurate thyroglobulin quantification overcoming antibody interference

<i>Nicole Monza – Proteomics and Metabolomics unit, Department of Medicine and Surgery, University of Milano- Bicocca, Monza, IT</i> |
| P04 | Determination of insect ingredients in savory cereal- based snacks at cross-contamination level VEL

<i>Carolina Barola – Istituto Zooprofilattico dell'Umbria e delle Marche “Togo Rosati”</i> |
| P05 | Impact of the regulation (EU) 2025/351 "Quality Amendment " on compliance of plastic kitchenware- a case study

<i>Veruska Mannoni– Istituto Superiore di Sanità</i> |
| P06 | Method validation for the analysis of highly polar pesticides in commodities of plant and animals origin by LC-TRIPLE QUADRUPOLE MASS SPECTROMETRY

<i>Patrizia Stefanelli– Istituto Superiore di Sanità, National Institute of Health, Environment and Health Dept. Exposure to Air, Soil, Contaminants and LifestyleUnit, Rome Italy</i> |
| P07 | Development and validation of LC–MS METHOD for the identification and quantification of marker peptides of spirulina allergens

<i>Vito Nettis– Università degli Studi di Bari “Aldo Moro”</i> |
| P08 | Validation of a LC-MS/MS METHOD for PFAS quantification in eggs

<i>Roberta Piccotti– Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle D'Aosta</i> |
| P09 | Development and validation of an LC-MS/MS METHOD for the determination and quantification of total PFOS, PFOA, PFNA and PFHXS (linear + branched isomers) and their sum in animal tissues (meat and fish)

<i>Francesca D'Onofrio – Istituto Zooprofilattico Sperimentale del Lazio e della Toscana “M. Aleandri”</i> |
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