

REGISTRATION

Attendance fees are as follows:

IMaSS members (personal invoice): **50,00 €**

IMaSS members (invoice to the affiliation organisation): **50,00 € + VAT = 61,00 €**

(members must be in good standing with the 2025 membership fee)

Non-IMaSS members: **100,00 € + VAT = 122,00 €**

Undergraduate students: **FREE**

Everyone must register online using the following link (or the QR code):

<https://imass.it/evento/imass-drug-analysis-day-2025/>



CONFERENCE LANGUAGE

The official conference language is English.
No simultaneous translation will be provided.

ABSTRACT SUBMISSION

The conference includes a poster session. All proposals for poster communications are encouraged and welcome. Please, use the template available at the following link:

<https://bit.ly/41XDUUV> and mail it to master.mastforchem@unibo.it

There is no limit to the number of posters each attendee can present.

The best poster prize will be awarded during the conference by an IMaSS committee.

CONTACTS

If you need more information and indications about the congress, please contact:

Research Group of Pharmaco-Toxicological Analysis (PTA Lab), Department of Pharmacy and Biotechnology (FaBiT), Alma Mater Studiorum – University of Bologna

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UNIVERSITÀ DI BOLOGNA

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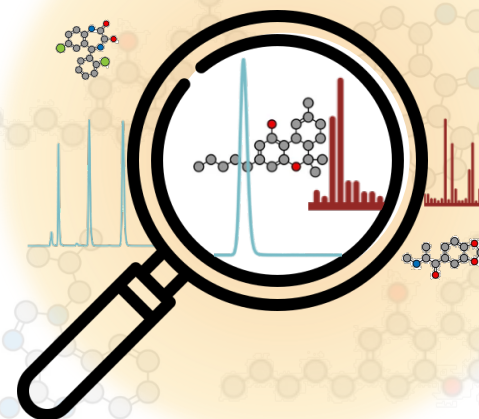
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IMaSS Drug Analysis Day 2025

A day dedicated to
pharmaceutical and
pharmaco-toxicological analysis
in biological and
non-biological samples



September 30th, 2025

Aula Magna U.E.1

Polo Didattico Navile

Alma Mater Studiorum – University of Bologna

Via della Beverara 123/1 Bologna

SCIENTIFIC COMMITTEE

Laura MERCOLINI (Chair)

Alice PASSONI

Andrea ARMIROTTI

Roberto MANDRIOLI

Michele PROTTI

Roberta DI LECCE

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WELCOME TO IMaSS DRUG ANALYSIS DAY 2025

In a field as dynamic and rapidly evolving as drug analysis, it is crucial for professionals, researchers, and students to come together to exchange knowledge, perspectives, and innovative ideas.

IMaSS Drug Analysis Day 2025 offers a unique opportunity to bring together experts from diverse backgrounds to explore recent developments, emerging innovations, and the challenges currently shaping the discipline.

Esteemed speakers, leading scientists, and industry professionals will deliver insightful presentations and lead engaging discussions across a wide range of relevant topics.

This event also provides a valuable space for networking, building meaningful collaborations, and discovering the latest technologies and methodologies that are driving progress in drug analysis.

We invite you to join us to deepen your understanding, share your expertise, and play an active role in advancing this vital scientific field.

Be part of a knowledge-rich, inspiring experience that aims to foster safer, more effective, and more reliable drug analysis methods for the benefit of society.

We look forward to welcoming you to this exceptional event.

SCIENTIFIC PROGRAM

Morning Session

Chairs: Laura Mercolini, Roberto Mandrioli

9:30 Alice Passoni, Laura Mercolini, Roberto Mandrioli
Opening and introduction

10:00 Carlos Lodeiro (BIOSCOPE Research Group, LAQV REQUIMTE - NOVA FCT - NOVA University Lisbon)
Fluorescent justice: turning optical sensing into a tool against chemical submission

10:30 Hugo Miguel Santos (BIOSCOPE Research Group, LAQV REQUIMTE - NOVA FCT - NOVA University Lisbon)
Mapping the proteome phenotype to guide predictive drug combinations and treatment monitoring

11:00 Roccaldello Sardella (University of Perugia)
New insights into the enantioselective liquid chromatographic analysis of Novel Psychoactive Substances (NPSs) under mass spectrometry-compatible conditions

11:30 **Coffee break**

12:00 Francesco Epifano (University of Chieti-Pescara)
HPLC as a powerful analytical tool to screen prolidase modulators

12:30 Eduardo M. Sommella (University of Salerno)
From discovery to quantification: A targeted approach to biomarker validation in HCC by HILIC-HRMS

13:00 **Lunch break & Poster session**

Afternoon Session

Chairs: Roccaldello Sardella, Michele Protti

14:30 Marcello Locatelli (University of Chieti-Pescara)
New frontiers in sample preparation: from new materials to new applications available for LC-MS analysis

15:00 Michele De Luca (University of Calabria)
Multivariate curve resolution in mass spectrometry: a tool for drug analysis and beyond

15:30 Lorenzo Zingaro (Agilent Technologies)
A simple cost-effective determination of histamines in gentamicin by HPLC-MS

15:50 Mario Armelao (SCIEX)
Breaking the limits: an ultra-sensitive complementary fragmentation for the confident identification and characterization of drug metabolites

16:10 **Coffee break**

16:40 Giulio Calza (Bruker)
Accelerating pharma innovation: CCS-driven molecular characterization

17:00 Riccardo Comazzi (University of Bologna, Rimini Campus)
A simplified analytical protocol for monitoring pharmaceuticals in wastewaters: optimised and validated LC-MS/MS method

17:20 Chiara Pia lattoni (University of Bologna)
Sweat patch analysis of central nervous system drugs

17:40 **End of the congress**