

FLORENCE, ITALY

February 10-12, 2016



Web site: <http://www.spettrometriadi massa.it/Congressi/1MS-PeptideDay/>

A growing interest is focused on peptides not only because of their biological functions but more and more because of their wide use and applications not only as diagnostics and therapeutics agents, but also in different fields as material science, catalysis, etc. Big efforts are required for their synthesis and molecular characterization, both at the biological and structural level.

Among the different analytical methods, mass spectrometry plays a key role at different levels in chemistry and biochemistry of peptides. In fact, owing to its high sensitivity and specificity, high resolution and throughput, mass spectrometry is extensively used in identification and confirmation of identity, structural characterization, sequencing, quantitation of peptides, often coupled to HPLC, UPLC, CZE, etc.

Organized in plenary lectures, oral and poster communications, there is a good opportunity to link industrial needs and academic knowledge and to promote meeting, discussion and cooperation among scientists coming from public and private institutions, universities and industries from different countries to define the state of the art, instrumentation, methodologies, applications and innovations regarding the use of mass spectrometry in the peptide field.

The informal atmosphere and the social program will ensure wide contacts and interactions among participants.

Fellowships for young participants are available!

Scientific Committee

Anna Maria Papini	Chairperson, Università di Firenze (Italy)
David Andreu Martínez	Pompeu Fabra University, Barcelona (Spain)
Gianluca Bartolucci	Università di Firenze (Italy)
Gianluca Giorgi	Università di Siena (Italy)
Paolo Rovero	Università di Firenze (Italy)
Pietro Traldi	CNR, Padova (Italy)

PRELIMINARY SCIENTIFIC PROGRAMME

Wednesday, February 10, 2016

- 2:00 p.m. *Registration*
- 2:30 p.m. Welcome addresses
- 3:00 p.m. Session 1. **MS and peptides: a lifelong partnership**
Invited speaker: Pietro Traldi, CNR, Padova (I)
MS and peptides: an old but well consolidated affair
- 3:40 p.m. Oral communications
- 4:30 p.m. Session 2. **MS and peptides: insight into structure**
Invited speaker: Bela Paizs, Bangor University (UK)
- 5:10 p.m. Oral communications
- 5:45 p.m. *End of session*

Thursday, February 11, 2016

- 9:15 a.m. Session 3. **MS and peptides: biomedical applications**
Invited speaker: Michael Przybylski, University of Konstanz (D)
*New perspectives for proteomics, biomedical and Biomolecular Recognition
Analysis by Combination of Affinity Tools and Mass Spectrometry*
- 9:55 a.m. Oral communications
- 11:00 a.m. Poster session, *Coffee break*
- 12:00 p.m. Oral communications
- 1:00 p.m. *Buffet lunch*
- 2:30 p.m. Session 4. **MS and peptides: pharmaceutical applications**
Oral communications
- 4:00 p.m. *Coffee break*
- 4:30 p.m. Session 5. **MS and peptides: proteomic aspects**
Invited speaker: Nathalie Norais, GSK, Siena (I)
Isotopically labeled peptides for quantitative proteomics
- 5:10 p.m. Oral communications
- 5:45 p.m. *End of session*
- 8:30 p.m. **Social dinner**

Friday, February 12, 2016

- 9:15 a.m. Session 6. **MS and peptides: developments and perspectives**
Invited speaker: Zbigniew Szewczuk, University of Wroclaw (Poland)
Derivatization of peptides for improved analysis by ESI-MS
- 9:55 a.m. Oral communications
- 11:00 a.m. Poster session, *Coffee break*
- 11:45 a.m. Oral communications
- 12:45 p.m. **Concluding remarks & Arrivederci!!**