

## Workshop 3

### Smart Peptide Chemistry for Next Generation Industry in a Sustainable Society

#### CONVENERS

- Annamaria Papini (University of Florence)
- Giancarlo Morelli (University of Naples)
- Luis Moroder (Max Planck Institut for Biochemistry, Germany)
- Timo Nuijens (EnzyPep B.V.- Fresenius Kabi)

#### SCIENTIFIC COMMITTEE:

- Anna Maria D'Ursi (University of Salerno), Fernando Formaggio (University of Padua), Claudio Toniolo (University of Padua), Giancarlo Morelli (University of Naples), Anna Maria Papini (University of Florence), Paolo Rovero (University of Florence), Mariano Venanzi (University of Rome Tor Vergata)

#### ORGANIZED BY:

- Division of Physical Chemistry
- Division of Medicinal Chemistry

#### PATRONAGE and SUPPORT BY:

- European Peptide Society
- Italian Peptide Society
- Division of Pharmaceutical Technology

#### SHORT DESCRIPTION:

- In the last 5 years peptide science went through a real renaissance, raising a constantly increasing interest from research scientists and industry. Pharmaceutical, diagnostic, cosmetic and well-being industries are the main stakeholders for the development of new peptide-based materials, and sustainable synthetic methods for their large-scale preparation.
- The launch on the market of these products prompted a large R&D effort. Aim of the workshop is to put in communication peptide science researchers and stakeholders from industry and society, to explore the possibility of application of peptide materials in many diverse fields with potential societal impact, from antimicrobial resistance to culture heritage to nutraceuticals.

## **TOPICS**

**Peptide engineering**

**Peptide-based materials**

**Peptides for nanomedicine**

**Peptide theranostics**

**Peptides for sustainable industry**

**Peptide cosmeceutics**

**Peptide nutraceuticals.**

## **PROGRAMME OF THE WORKSHOP:**

**“Smart peptide chemistry for next generation industry in a sustainable society”**

### **Timetable:**

I Session: Perspectives on Peptide Research, Innovation and Industry

9.00-9.30 Invited

9.30-10.00

10.00-10,30

10.30 -11.00

11.00 – 11.30 Coffee break

II Session: Peptide Engineering and smart materials

11.30-12.00 Invited

12.00-12.20

12.20-12.40

12.40 – 13.00

13.00 – 14.30 Lunch

III Session: Peptides for biomedicine and nanomedicine

14.30-15.00 Invited

15.00-15.30

15.30-16.00

16.00 -16.30

16.30-17.00 Coffee break

IV Session: Peptides for a sustainable society: nutraceutical, cosmeceutical, cultur heritage

17.00-17.30 Invited

17.30-17.50

17.50-18.10

18.10 – 18.30

18.30 – 19.30 Poster session