

## 3<sup>rd</sup> IMaSS Network

May 9<sup>th</sup> - 10<sup>th</sup>, 2019  
PARMA – Ridotto del Teatro Regio

Thursday, May 9<sup>th</sup>

9.00 - 9.30 Registration

### **Opening ceremonies**

9.30 - 9.40 *Welcome*

Pietro Franceschi, Fondazione Edmund Mach, San Michele all'Adige, Trento & IMaSS  
President  
Silvia Catinella, Chiesi Farmaceutici  
Andrea Mozzarelli, SIB-Gruppo Proteine Coordinator

### **Micro-plastics, Macro-impact**

#### **Plenary lecture**

9.40 - 10.40 **Plenary Lecture**

*Il mare a 360 gradi: dai record in apnea agli incontri con i giganti del mare*  
Umberto Pelizzari - Freediver

#### **1<sup>st</sup> Session - Chairman: Barbara Bravo**

10.40 - 11.15 **IS1** *Plastics and Microplastics: the macroeconomic and the environmental scenario*

Federica Tommasi - Dipartimento Ambiente e Salute, Istituto Superiore di Sanità

**11.15 - 11.45** *Coffee Break*

11.45 - 12:20 **IS2** *Plastic at sea*

Carla Rita Ferrari - Struttura Oceanografica Dafne, ARPAE Emilia Romagna

12.20 - 12:40 **IS3** *Household goods and clothes: quantification and simultaneous identification via MicroFTIR of microplastics in the environment.*

Fabiana Corami - Istituto per le Dinamiche dei Processi Ambientali, CNR-IDPA, Venezia

12:40 - 13.00 *Microplastics release from textiles, a multidisciplinary approach*

Raffaella Mossotti, CNR STIIMA - Intelligent Industrial Systems and Technologies for Advanced Manufacturing, Biella

*13.00-14.30 Free lunch*

**2<sup>nd</sup> Session - Chairman: Ornella Curcuruto and Silvia Capacchi**

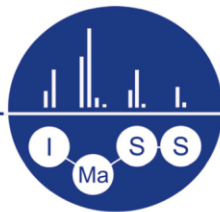
- 14.30 - 14.45 *Contribution of washing processes of synthetic clothes to microplastic pollution and mitigation strategies*  
Mariacristina Cocca - Istituto per i Polimeri, Compositi e Biomateriali, Consiglio Nazionale delle Ricerche, Pozzuoli (NA), Italy
- 14.45 - 15.20 **IS4** *Qualitative and quantitative analysis of microplastics by quantitative 1H-NMR spectroscopy*  
Nadine Peez - University Koblenz-Landau, Germany
- 15.20 - 15.55 *Microplastics in mineral water: research on the preparation method and analysis through FT-IR microscopy*  
Valentina Fiumi - SACMI, Imola
- 15.55 - 16.15 *Microplastics in aquaculture: a case study on water by microFT-IR*  
Monia Renzi - Bioscience Research Center, Orbetello
- 16.15 - 16.35 *Pyrolysis-GC-Orbitrap MS - a powerful analytical tool for identification and quantification of microplastics in a biological matrix*  
Elena Ciceri - European Specialist GC-HRMS, ThermoFisher

*16.35 - 17.00 Coffee Break*

**3<sup>rd</sup> Session - Chairman: Valentina Mileo**

- 17.00 - 17.35 *Microplastics in deep water: a combined GC-MS e FT-IR approach*  
Enrico Davoli - Dipartimento Ambiente e Salute, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milano
- 17.35 - 17.55 **IS5** *Microplastics in marine organisms: distribution, effects and risks along the food webs*  
Francesco Regoli - Università Politecnica delle Marche, Ancona
- 17.55 - 18.25 *Nature always finds the solution. Polyhydroxyalkanoates as biodegradable microplastics: challenging characterization of an outstanding material*  
Markus J. Barthel, Mauro Comes Franchini - Bio-on S.p.A., Bologna

*19.00 – 21.00 Visit to Monumental Complex of Pilotta, including Farnese Theater and National Gallery*



Friday, May 10<sup>th</sup>

**Old but gold: Proteins and Mass Spec**

**In collaboration with SIB-Gruppo Proteine**

8.30 - 8.50 Registration

**Opening ceremonies**

8.50 - 9.00 Welcome

Andrea Mozzarelli, SIB-Gruppo Proteine Coordinator

**1<sup>st</sup> Session - Chairman: Samanta Raboni and Barbara Pioselli**

9.00 - 9.30 **IS1: Proteoforms. The new proteomics challenge**  
Marta Vilaseca - IRB Barcellona

9.30 - 10.00 **IS2: What proteomics can do for cultural heritage**  
Leila Birolo - Università di Napoli, Napoli

10.00 - 10.20 **Accelerating SWATH® acquisition for protein quantitation – Up to 100 Samples per day**  
Marialuce Maldini - SCIEX

10.20 - 10.35 **Proteomic profiling of mutated-CFTR expressing cells identify new pharmacological targets for cystic fibrosis**  
Clarissa Braccia - Istituto Italiano di Tecnologia (IIT), Genova

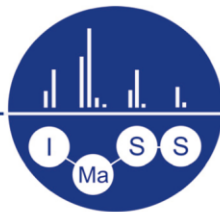
10.35 - 10.50 **In-vitro and In-cell cross-linking/mass spectrometry: from 3D-protein structure investigations to proteome-wide interactome studies**  
Claudio Iacobucci - Martin Luther University Halle-Wittenberg, Germany

**10.50 - 11.10 Coffee Break**

**2<sup>nd</sup> Session - Chairman: Barbara Campanini and Serena Faggiano**

11.10 - 11.40 **IS3: Ultraviolet Photodissociation of ESI and MALDI generated protein ions on a Q-Exactive mass spectrometer**  
Marialaura Dilillo - Pisa Foundation for Science, Pisa

11.40 - 12.10 **IS4: Extracting structural information from protein charge-state distributions in native-MS**  
Carlo Santambrogio - Università di Milano Bicocca, Milano



- 12.10 - 12.30 *The benefit of perfect order: a novel robust approach for deep proteome coverage*  
Christof Mitterer - PharmaFluidics NV, Ghent, Belgium
- 12.30 - 12.50 *HCP Characterization by mass spectrometry in biotech products*  
Barbara Liori - MERCK, Roma
- 12.50 - 13.00 *Proteomic and behavioural analysis of thermal stress effects on zebrafish brain*  
Francesca Grassi Scalvini - Dipartimento di Medicina Veterinaria, Università degli Studi di Milano
- 13.00 - 13.10 *Colorectal adenocarcinoma cell lines lose a key silencing histone mark on chromatin when depleted in methionine using methionine  $\gamma$ -lyase*  
Samanta Raboni - Interdepartment Center SITEIA.PARMA, Università di Parma

#### Closing ceremony

- 13:10 – 13:20 Final remarks  
Pietro Franceschi & Scientific & Organizing Committee Representatives

*13:20 - 14.30 Free lunch*

#### Meeting of IMaSS members

- 14.30 - 16.00 Annual Meeting of IMaSS members