

## 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

Scientific & Organizing Committee Representatives

### **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:**

10.40 - 11.15 **IS1** *Le microplastiche un tema ambientale (e di salute) emergente e suoi scenari futuri nel contesto internazionale*

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

#### **11.15 - 11.45 Coffee Break**

11.45 – 12:20 **IS2** *Plastiche in mare, problema mondiale individuate come una delle principali minacce sulla salute degli oceani*

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

13.00-14.45 Free lunch

**2<sup>nd</sup> Session:**

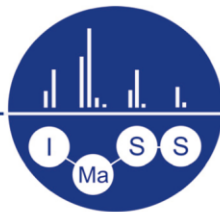
- 14.45 - 15.20 **IS4** *Qualitative and quantitative analysis of microplastics by quantitative 1H-NMR spectroscopy*  
Nadine Peez - University Koblenz-Landau, Germany
- 15.20 - 15.55 *Microplastics in mineral water: research on the preparation method and analysis through FT-IR microscopy*  
Valentina 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:**

- 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 pollution after the removal of the Costa Concordia wreck: first evidences from a biomonitoring case study*  
Francesco Regoli – Università Politecnica delle Marche, Ancona
- 17.55 - 18.15 *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*

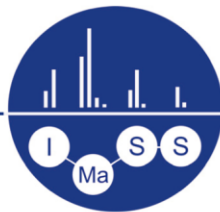
**1<sup>st</sup> Session:**

- 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<sup>®</sup> 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 - 11.00 Coffee Break**

**2<sup>nd</sup> Session:**

- 11.00 - 11.30 **IS3: Ultraviolet Photodissociation of ESI and MALDI generated protein ions on a Q-Exactive mass spectrometer**  
Marialaura Dilillo - Pisa Foundation for Science, Pisa
- 11.30 - 12.00 **IS4: Extracting structural information from protein charge-state distributions in native-MS**  
Rita Grandori - Università di Milano Bicocca, Milano
- 12.00 - 12.20 **The benefit of perfect order: a novel robust approach for deep proteome coverage**  
Christof Mitterer - PharmaFluidics NV, Ghent, Belgium
- 12.20 - 12.40 **HCP Characterization by mass spectrometry in biotech products**  
Barbara Liori – MERCK, Roma



### **Closing ceremony**

12:40 – 12:50 Final remarks  
Pietro Franceschi & Scientific & Organizing Committee Representatives

*12:50 - 14.30 Free lunch*

### **Meeting of IMaSS members**

14.30 - 16.00 Annual Meeting of IMaSS members