e-WISPOC 2018

European Winter School on Physical Organic Chemistry

Bressanone (IT) January 28 – February 2, 2018

topic: *Soft Matter: fundamentals, concepts and applications*

The European-Winter School on Physical Organic Chemistry (E-WiSPOC), at its 12th edition, will take place in Bressanone (Italy) on January 28 - February 2, 2018 at Gruener Baum Hotel where lecturers and students will be accommodated in a friendly environment. The School, open to PhD students and postdocs, is supported by the University of Padova, the Organic Chemistry Division of the Italian Chemical Society, the Interuniversity Consortium of Materials Science and Technology - INSTM and recognized by EUCHEMS.

The topic of the 2018 edition is ***Soft Matter: fundamentals, concepts and applications***

The use of non-covalent forces to grow in a controlled way supramolecular soft-materials able to perform specific functions is nowadays a topic of foremost research in chemistry, materials science and nanotechnology. The field is highly interdisciplinary and this is reflected in the School's program which includes how soft matter can be obtained and characterized, its cutting-edge applications and computational tools for understanding the underlying mechanisms and allowing prediction.

Confirmed lecturers are: **Nazario Martin** - *Supramolecular Chemistry of Carbon Nanoforms* (Universidad Complutense – Madrid, ES), **Mauro Davanzo** - *Young chemists in European Industries (*Vileda GmbH – Frankfurt, DE), **Peter Schreiner** - *Noncovalent Interactions as Design Elements to Affect Structure and Reactivity* (University of Giessen, DE), **Francesca R. Novara** - *Scientific Publishing* (Wiley-VCH Weinheim - DE), **Fabio Benfenati** - *Soft Materials for Biomedical Applications* (Italian Institute of Technology - Genova), **Davide Bonifazi** – *Synthesis of Building Blocks for Functional Soft Materials* (University of Cardiff - UK), **Rienk Eelkema** - *Responsive Soft Materials* (Technische Universiteit Delft, NL), **Alberta Ferrarini** – *Order and Dynamics of Membranes and Biomolecules* (University of Padova, IT), **Nicolas Giuseppone** – *Self-assembled Molecular Structures and Materials for Supramolecular Electronics* (University of Strasbourg, FR), **Milo Schaffer** – *Carbon Nanostructures and Composite Materials* (Imperial College London, UK), **Tell Tuttle** – *Computational Studies of Soft Materials* (University of Strathclyde, UK).

A number of fellowships to cover the registration fee are available. Please, visit the School website for information: www.chimica.unipd.it/wispoc

School coordinators: Michele Maggini, U. of Padova, Benedetta Mennucci, U. of Pisa, Agostino Casapullo, U. of Salerno. **Organising Committee**: Miriam Mba, Enzo Menna, Tommaso Carofiglio, Leonard Prins - U. of Padova.