



## European Winter School in Physical Organic Chemistry

*From Biological to Bio-Inspired Artificial Systems*

### Opening Lecture - Jan 27<sup>th</sup>

**Takuzo Aida**      *Advanced Design of Self-healable Materials by Supramolecular Chemistry*

### Biological Models and Bioinspired Systems for new Energy schemes & Computational Perspectives - Jan 28<sup>th</sup>

**Gianluca Farinola**      *Photoconverters from Functional Organic Molecules and Photosynthetic Microorganisms*

**Giulio Cerullo**      *To be announced*

**Vincenzo Barone**      *To be announced*

### Biological Models and Bioinspired Systems for Human Health - Jan 29<sup>th</sup>

**Graziella Pellegrini**      *Approaches to 3D Reconstruction of Human Cornea*

**Luisa De Cola**      *To be announced*

**Mario Salmona**      *Bio-inspired Therapeutic Strategies for Alzheimer's Disease*

### Biological Models and Bioinspired Systems for Transformation of Raw Materials-Feedstocks - Jan 30<sup>th</sup>

**Peter Seeberger**      *Novel Materials Created from Synthetic Polysaccharides: Synthesis, Structure and Function*

**Katalin Barta**      *Cleave and couple - Sustainable Pathways to Valuable Chemicals from Renewables*

**Pedro Perez**      *The Reactivity of Alkane Carbon-hydrogen Bonds: Strategies, Trend, Models and Predictions*

### Biological Models and Bioinspired Systems – Energy schemes & Industrial Perspectives – Feb 1<sup>st</sup>

**Erwin Reisner**      *Semi-biological Photosynthesis*

**Francesco Fontana**      *FIS The Italian Drug Factory*

*Transforming our Future*

#### Scientific Committee:

**Massimo Bietti** - University of Rome Tor Vergata (Italy)  
**Marcella Bonchio** – University of Padova (Italy)  
**Luisa De Cola** – University of Strasbourg (France)  
**Gianluca Maria Farinola** – University of Bari (Italy)  
**Maurizio Prato** – University of Trieste and CIC Biomagune (Spain)  
**Francesco Zerbetto** – University of Bologna (Italy)

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