

## **XLIX "A. CORBELLA" INTERNATIONAL SUMMER SCHOOL ON ORGANIC SYNTHESIS - ISOS 2025**

Gargnano (BS), 15<sup>th</sup>-19<sup>th</sup> June 2025

### **ORGANIZING COMMITTEE**

D. Passarella, S. Mazzotta, L. Pasquato, G. Piersanti, V. Capriati, C. Prandi, J. Roletto

### **PROGRAM OF LECTURES**

#### **OPENING LECTURE**

**BENJAMIN LIST** - Max-Planck-Institut für Kohlenforschung  
*The Universality of Acid Catalysis*

#### **SYNTHESIS OF NATURAL PRODUCTS**

**SARAH REISMAN** - California Institute of Technology  
*Necessity is the Mother of Invention: Natural Products and  
the Chemistry They Inspire*

-Sponsored by the Division of Organic Chemistry of Italian Chemical Society

#### **MULTICOMPONENT REACTIONS**

**ALEXANDER DÖMLING** - University of Olomouc  
*From Nanoreactors to Megadata: Redefining Discovery  
Through Automated High-Throughput Chemistry*

**GIAN CESARE TRON** - University of Piemonte Orientale  
*The Power of Isocyanides: Discovering New Multicomponent  
Reactions and Designing Bioactive Molecules*

#### **SYNTHETIC METHODOLOGIES**

**RUBEN MARTIN** - ICIQ Tarragona  
*Ni-catalyzed Functionalization of  $sp^3$  C-H Bonds*

**VICENTE GOTOR-FERNÁNDEZ** - University of Oviedo  
*Combining Organometallic Chemistry and Biocatalysis.  
The Golden Age of Enzymes*

**MARIOLA TORTOSA** - University of Madrid, Spain  
*Catalysis to Increase Complexity: Stereoselective Synthesis  
of  $Sp^3$ -Rich Building Blocks*

#### **ADVANCED ORGANIC MATERIALS**

**DAVIDE BONIFAZI** - University of Vienna  
*Aromatic Hydrocarbons Engaging with Light: Synthetic  
Strategies for Tailoring Properties*

**FRANK WÜRTHNER** - University of Würzburg  
*Nanographenes – New Functions by Imidization*

#### **SYNTHESIS OF FINE CHEMICALS**

**CARLA OBRADORS** - R&D J&J Innovative Medicine, Belgium  
*Johnson & Johnson Innovative Medicine*

**ANNA CHIARA VICINI** - R&D Pfizer, Groton, USA  
*Process Development in Pfizer: How to Make Medicines Faster*

#### **BIOORGANIC CHEMISTRY AND CHEMICAL BIOLOGY**

**REBECCA GOSS** - University of St. Andrews  
*PRecIsion Molecule Editing (PRIMED for Diversification)*

**ANNEMIEKE MADDER** - University of Ghent  
*Singlet Oxygen-Based Chemistries for Bio-Orthogonal  
Nucleic Acid and Protein Modification*

#### **ANALYTICAL METHODS**

**KONRAD KOSZINOWSKI** - University of Göttingen  
*Electrospray-Ionization Tandem Mass Spectrometry for  
Characterizing Reactive Intermediates*

**MARIA CHIARA MONTI** - University of Napoli Federico II  
*A Journey into Functional Proteomics: From Label-Based to  
Label-Free Strategies For Small Molecules Targets  
Deconvolution*

#### **SPECIAL SESSION**

**GIADA FURLAN** - Carabinieri's RIS Parma, Italy  
*Chemistry in the Forensic Field: A Versatile Subject in  
Scientific Investigation Area*

#### **"A. CORBELLA" INTERNATIONAL SUMMER SCHOOL ON ORGANIC SYNTHESIS**

Secretariat: Dr. Sarah Mazzotta

Università degli Studi di Milano - Dipartimento di Chimica  
via Golgi, 19 - 20133 Milano

Tel. +39 02 50314111

E-mail: [secretariat.corbella.ISOS@unimi.it](mailto:secretariat.corbella.ISOS@unimi.it)