

**XXXIX "A. CORBELLA" INTERNATIONAL SUMMER SCHOOL
ON ORGANIC SYNTHESIS
Gargnano (BS), Palazzo Feltrinelli, June 15-19, 2014**

ORGANIZING COMMITTEE
M. Benaglia, G. Bifulco, M. Bonchio, G. Fabrizi, C. Nativi, A. Puglisi

PROGRAMME OF LECTURES

INVITED SPEAKER

Matthew S. Sigman *Controlling and Analyzing Selectivity in Asymmetric Catalysis*

NEW TRENDS IN HETEROCYCLIC CHEMISTRY

Stefan Bräse *Chemical Biology of Heterocycles*

Ernesto Occhiato *Synthesis of Heterocycles: from Simple to Complex Structures in the Golden Age of Catalysis*

CONFORMATIONAL TOOLS IN ORGANIC SYNTHESIS

Ryan Gilmour *Conformational Effects and Physical Organic Principles in Reaction Design*

Andrea Mazzanti *Spectroscopic and Computational Tools for the Conformational Analysis of Organic Molecules*

SYNTHESIS OF BIOMOLECULES

Mercedes Amat *An Enantiomeric Scaffolding Strategy for Alkaloid Synthesis*

Claudia Tomasini *Synthesis and Applications of Unnatural Foldamers*

INDUSTRIAL CATALYSIS

Henrique Teles *Oxidation from an Industrial Perspective - The new HPPO process*

Antonio Zanotti-Gerosa *Homogeneous Asymmetric Hydrogenation in API and Fine Chemical Synthesis*

ANALYTICAL TECHNIQUES IN BIOORGANIC AND MATERIAL CHEMISTRY

Alessandra Cambi *Advanced Fluorescence Microscopy Reveals Spatiotemporal Organization of Proteins and Lipids at the Cell Membrane*

Luisa De Cola *Self-assembly: a Tool to Create New Materials for Imaging and Optoelectronics*

OXYDATIONS IN ORGANIC SYNTHESIS

Kilian Muñiz *Oxidative Amination with Catalysts and Reagents in High Oxidation State*

CRITICAL SURVEYS COVERING THE YEAR 2013

Valeria Costantino *Total Synthesis of Natural Products*

Lucia D'Accolti *Functional Groups Transformations: Oxidations*

Clelia Giannini *Recent Advances in the synthesis of heterocyclic compounds*