



**XXXVI "A. CORBELLA" SUMMER SCHOOL  
SEMINARS IN ORGANIC SYNTHESIS  
Gargnano (BS), Palazzo Feltrinelli, June 13-17, 2011**

**ORGANIZING COMMITTEE**

**A. Bernardi, C. Giannini, R. Lanzetta, E. Marcantoni, P. Tecilla, C. Villani**

**PROGRAMME OF LECTURES**

**ADVANCES IN ORGANOCATALYSIS**

**Benjamin List** *Asymmetric aminocatalysis*

*Asymmetric counteranion directed catalysis*

**SYNTHETIC CHEMISTRY AND BIOMATERIALS: IMPROVING NATURE WITH CHEMISTRY**

**Luigi Ambrosio** *Bioactive polymers and composites in regenerative medicine*

**Maurizio Prato** *Synthesis, characterization and applications of carbon nanostructures*

**SILICON AND PHOSPHORUS COMPOUNDS: PREPARATIONS AND SYNTHETIC APPLICATIONS**

**Letizia Sambri** *Versatility of silicon-based compounds in organic synthesis*

**Umberto Piarulli** *Recent applications of phosphorus reagents: from organic synthesis to stereoselective catalysis*

**INDUSTRIAL PERSPECTIVES**

**Riccardo Giovannini** *The drug discovery process: what a chemist can contribute*

**Laura Quaranta** *Modern industrial crop protection research as exemplified by the discovery of Mandipropamid*

**NEW INSIGHTS IN OXIDATION CHEMISTRY**

**Marcella Bonchio** *Bioinspired oxidation catalysis*

**Francesca Cardona** *Aerobic oxidations of alcohols*

**THE INTERPLAY OF LIQUID CHROMATOGRAPHY, MASS SPECTROMETRY AND ORGANIC SYNTHESIS**

**Iliaria D'Acquarica** *The combination of High Performance Liquid Chromatography with Mass Spectrometry (HPLC-MS) as a powerful tool for modern organic chemistry*

**Domenico Garozzo** *From micro- to femto-moles, from small to giant molecules: the route of modern mass spectrometry*

**ANYWHERE THERE'S CHEMISTRY**

**Rosangela Marchelli** *Molecular secrets of gastronomy*

**CRITICAL SURVEYS COVERING THE YEAR 2010**

**Anna Barattucci** *Introduction and transformation of functional groups*

**Luca Bernardi** *Organocatalysis in organic synthesis*

**Alessandra Silvani** *Total synthesis of natural products*

**Davide Tessaro** *Biocatalysis in organic synthesis*