

**XXXVII "A. CORBELLA" SUMMER SCHOOL
SEMINARS IN ORGANIC SYNTHESIS
Gargnano (BS), Palazzo Feltrinelli, June 18-22, 2012**

ORGANIZING COMMITTEE

A. Bernardi, M. Bonchio, G. Fabrizi, C. Giannini, R. Lanzetta, E. Marcantoni

PROGRAMME OF LECTURES

BIOINSPIRED CHEMISTRY WITH PEPTIDES

Helma Wennemers *Asymmetric catalysis with peptides and other bioinspired catalysts*
Oligoprolines as molecular allrounders - from Ag-nanoparticles to synthetic collagen and tumor targeting

BIOTECHNOLOGY AND ENZYME CATALYSIS

Mariagrazia Pizza *Meningococcus B: a genome based approach for the design of a new vaccine and the identification of novel virulence factors*

Giorgio Colombo *Computational design of new biomolecules for organic chemistry*

C-H BOND ACTIVATION IN ORGANIC SYNTHESIS

Marco Bandini *C-H activation in asymmetric catalysis*

Bartolo Gabriele *Geometrically directed C-H activation*

NEW SUSTAINABLE SYNTHETIC PATHWAYS FOR THE SYNTHESIS OF SMALL MOLECULES

Stefano Menichetti *Synthesis of benzofused six-membered heterocycles: rinsing the methods in the river of sustainability*

Giovanni Appendino *Ingenuity, economy, and politics: the quest for sustainability in chemical synthesis*

INDUSTRIAL PERSPECTIVES

Marco Villa *From lab to market: development of API*

Emanuele Attolino *Trichloroacetimidates: the great gift of carbohydrate chemistry to organic synthesis*

ESR AND NMR : MODERN APPLICATIONS OF MAGNETIC RESONANCE SPECTROSCOPIES

Marco Lucarini *Electron Spin Resonance (ESR) of organic free radicals: relevant examples from the recent literature*

Donatella Potenza *Ligand-target interactions: a NMR point of view*

ANYWHERE THERE'S CHEMISTRY

Francesco Naso *The alchemical heritage*

Michele e Ottorino De Lucchi *Chemistry, architecture and other pleasures*

CRITICAL SURVEYS COVERING THE YEAR 2011

Cristina Cimarelli *Introduction and transformation of functional groups*

Vito Capriati *Organometallic compounds in organic synthesis*

Andrea Penoni *Total synthesis of natural products*

Michelangelo Gruttadauria *Non-conventional techniques in organic synthesis*

Secretariat: Dott. Clelia Giannini
Università degli Studi di Milano
Dipartimento di Chimica Organica e Industriale
via Venezian, 21 - 20133 MILANO
tel. +39 02 50314148 - fax +39 02 50314139
e-mail: clelia.giannini@unimi.it