



**XXX "A. CORBELLA" SUMMER SCHOOL
SEMINARS IN ORGANIC SYNTHESIS
Gargnano (BS), Palazzo Feltrinelli, June 13-17, 2005**

ORGANIZING COMMITTEE

E. Licandro, L. Lay, R. Ballini, L. Banfi, A. Guarna, M. Prato

PROGRAMME OF LECTURES

THE MECHANICAL BOND

- J. Fraser Stoddart** **Nano Meccano.** *An integrated systems-oriented approach to molecular electronics*
Nano Meccano. *The magnificent young chemists and their working molecular machines*
Nano Toys and Nano Art. *How fun and beauty inspire chemical creativity*

DIVERSITY ORIENTED SYNTHESIS

- Renata Riva** *Multicomponent reactions involving isonitriles*
Paolo Righi *Domino and multicomponent processes in organic synthesis*

ADVANCED PHYSICAL METHODS IN ORGANIC CHEMISTRY

- Gianluca De Bellis** *An introduction to array technologies*
Paolo Tecilla *Fluorescent chemosensors*
Gian Luca Bartolucci *Trace analysis in mass spectrometry*

NEW SYNTHETIC METHODOLOGIES

- Enzo Cereda** *Microwaves in organic chemistry*
Chiara Ghiron *Scavenger resins in synthesis and purification of organic molecules: application to the drug discovery process*
Enrico Marcantoni *Use of lanthanides in organic synthesis*
Cosimo Franco *Innovation in chemical industry*
Cesare Gennari *Natural products with Taxol®-like anti-tumour activity: synthetic approaches to sarcodictyins and eleutherobin*

CULTURAL SEMINAR

- Goffredo Rosini** *The origin of asymmetric synthesis in Italy*

CRITICAL SURVEYS COVERING THE YEAR 2004

- Roberto Pagliarin** *Introduction and transformation of functional groups*
Marcella Bonchio *Organometallic compounds in organic synthesis*
Andrea Missio *Solid-phase synthesis*
Giuseppe Bifulco *Total synthesis of natural products*

