

Wednesday September 19

- 16.00 Registration (University, H3 Building)
- 19.30 Welcome Party (Caffè degli Specchi, Piazza Unità d'Italia)

Thursday September 20

8.00 Registration

8.30 Opening

Chairperson: Luigi Fabbrizzi

8.50 Plenary Lecture 1

Vincenzo Balzani

Processing energy and signals by molecules

9.40 **Stefano Masiero**, Stefano Lena, Silvia Pieraccini, Gian Piero Spada

Direct conversion of light into mechanical energy via photoreversible self-assembly

10.00 **Aurelio Mateo-Alonso**, Dirk M. Guldi, Francesco Paolucci, Maurizio Prato

Fullerenes: active components in molecular machinery

10.20 **Barbara Branchi**, Paola Ceroni, Frank-Gerrit Klaerner, Mauro Maestri, Thomas Schrader

Supramolecular properties of clip-shaped organic molecules

10.40-11.00 Coffee break

Chairperson:

11.00 Invited Lecture 1

Andrea Bencini

Macrocyclic systems containing large heteroaromatic moieties for recognition and sensing of anionic substrates

11.40 Arturo Arduini, **Luca Pescatori**, Andrea Pochini, Andrea Secchi, Franco Ugozzoli, Chiara Massera

Recognition of N-methyl pyridinium and N,N'-dimethyl viologen salts by heteroditopic calix[4]arenes

12.00 Cristina Nativi, Martina Cacciarini, **Oscar Francesconi**, Gloriano Moneti, Andrea Ienco, Stefano Roelens

Molecular recognition of carbohydrates: synthetic tripodal receptors with pyrrolic binding groups

12.20 **M. Melegari**, R. De Zorzi, S. Geremia, E. Kalenius, E. Dalcanale

Tuning selectivity in supramolecular mass sensors

12.40 **Teresa Pierro**, Francesco Troisi, Carmine Gaeta, Placido Neri

Calix[4]arene carboxylate derivatives: cation recognition and switching properties

13.00-15.00 *Lunch*

Chairperson:

15.00 Plenary Lecture 2

Maurizio Prato

Synthesis and applications of functionalized carbon nanotubes

15.50 **Giampaolo Zuccheri**, Marco Brucale, Alessandra Vinelli, Bruno Samorì

The Programmed Supramolecular Self-assembly of DNA as a Tool for Constructing Static or Dynamic Structures on the Nanoscale

16.10 **Gianluca Accorsi**, Nicola Armaroli, Andrea Parisini, Davide Bonifazi, Maurizio Prato

Luminescent single-walled carbon nanotubes

16.30-16.50 *Coffee Break*

Chairperson:

16.50 Invited Lecture 2

Giuseppe Resnati

Solution and gas-solid self-assembly processes: examples under halogen bonding control

17.30 **Donato Monti**, Mariano Venanzi, Manuela Stefanelli and Roberto Paolesse

Chiral amplification of chiral porphyrin derivatives by templated heteroaggregation

17.50 D.W. Bruce, P. Metrangolo, F. Meyer, T. Pilati, G. Resnati, **G.Terraneo**

Supramolecular liquid crystalline materials featuring halogen-bonded mesogens

18.10 Mariangela **Castriciano**, Andrea Romeo, Luigi Monsù Scolaro, Valentina Villari, Norberto Micali

Chiral porphyrin J-aggregates in AOT microemulsions

Friday September 21

Chairperson:

8.30 Plenary Lecture 3

Pablo Ballester

Molecular inclusion in aromatic cavities

9.20 Giovanna Mancini, Josep M. Ribò, Zoubir El-Hachemi, **Alessandro Sorrenti**

Transfer of chirality from molecules to complex systems

9.40 R. Germani, **M.V. Mancini**, G. Savelli, N. Spreti

Recognition and complexation of heavy metal ions in ionic liquids and sol-gel materials

10.00 Alessia Ciogli, **Antonella Dalla Cort**, Francesco Gasparrini, Luigi Mandolini, Chiara Pasquini, Marco Pierini, Luca Schiaffino, Francesco Yafteh Mihan
The challenge of configurationally stable macrocyclic uranyl-salophen derivatives: towards new chiral supramolecular receptors and catalysts

10.20 **Pietro Di Profio**, Simone Arca, Raimondo Germani, Gianfranco Savelli
Clathrate hydrates of hydrogen: a study on the structural requirements of co-former guests

10.40-11.00 *Coffee break*

Chairperson:

11.00 Invited Lecture 3
Maria Teresa Indelli
Photoinduced electron and energy transfer in metal-mediated multi-porphyrin arrays

11.40 Andrea Bencini, Giovanna Farruggia, Vito Lippolis, **Marta Mameli**, Luca Prodi, Nelsi Zaccheroni
Tuning the selectivity/specificity of fluorescent metal ion sensors based on N2S2 pyridine-containing macrocyclic ligands by changing the fluorogenic sub-unit: spectrofluorimetric, metal ion binding studies and potential biological applications

12.00 **Barbara Ventura**, Andrea Barbieri, Francesco Barigelletti, Julie Batcha Seneclauze, Raymond Ziessel
Photophysics of heteropolynuclear complexes containing ruthenium and osmium tris(bipyridine) and platinum diimine bis(acetylde)

12.20 **Valentina Calabrese**, Silvio Quici, Marco Cavazzini, Ester Rossi, Claudia Dragonetti, Elisa Tordin
Design, synthesis and non linear optic (NLO) properties of new push-pull ligands and of their metal complexes

12.40 **Michele Orlandi**, Elisabetta Iengo, Sandro Fracasso, Marcella Ravaglia, Claudio Chiorboli, Franco Scandola
Photoinduced Processes in an Aluminum-Porphyrin / Naphthalenediimide Axial Dyad

13.00-15.00 *Lunch*

Chairperson:

15.00 Invited Lecture 4
Fabrizio Mancin
Self-organized fluorescent chemosensors

15.40 **G. Scoles**, J. Liang and L. Rosa
Tayloring, layer-by-layer, the structure of dithiols on gold surfaces

16.00-16.20 *Coffee Break*

16.20-18.30 *Poster Session*

20.00 Social Dinner

Saturday September 22

Chairperson:

- 8.30 Plenary Lecture 4
Mauro Micheloni
Ligands and metal complexes: old chemistry still alive
- 9.20 **L. Goracci**, R. Germani, G. Savelli, M. Tiecco, E. Carretti, P. Baglioni
Surfactant based photorheological fluids: the effect of structural changes on the gelation capability
- 9.40 **N. Tuccitto**, N. Giamblanco, A. Licciardello, G. Marletta
Supramolecular Strategy for Patterning of Lactoferrin Using Functional Self-Assembled Monolayers of Iron Complexes
- 10.00 Myriam Mba, Marta Pontini, Elisa Cazzola, Cristiano Zonta, Peter E. Kündig, **Giulia Licini**
Spontaneous self-assembly of C3-symmetric Ti(IV) complexes
- 10.20 **S. Cicchi**, G. Ghini, L. Lascialfari, D. Berti, F. Betti
New organogelators based on a 3,4-dihydroxy-pyrrolidine nucleus and their applications
- 10.40-11.00 *Coffee break*

Chairperson:

- 11.00 Invited Lecture 5
Luigi Monsù Scolaro
From nano to micro-sized porphyrin aggregates
- 11.40 Giacomo Dacarro, Franck Denat, Yuri Diaz Fernandez, Piersandro Pallavicini, **Luca Pasotti**, Stefano Patroni, Yoann Rousselin
A fluorescent micellar lipophilicity-meter for carboxylates
- 12.00 **Cristina Gentilini**, Paola Franchi, Marco Lucarini, Lucia Pasquato
Studies on 3-D SAMs composed of a mixture of ligands by ESR spectroscopy
- 12.20 Massimo Boiocchi, **Guido Colucci**, Maurizio Licchelli, Enrico Monzani
Electron donor/acceptor adducts promoted by metal ions coordination
- 12.40 *Closing Address*
- 13.00 *Lunch*