

Supramolecular Chemistry@PoliMI: Where Nano meets Biology

SCIENTIFIC PROGRAM

Thursday, June 28, 2012

8:30-9:00 Registration

9:00-9:15 Welcome Address

Pierangelo **Metrangolo**, *Politecnico di Milano and Fondazione Istituto Italiano di Tecnologia, CNST Polimi, Italy*
Giuseppe **Resnati**, *Politecnico di Milano and Fondazione Istituto Italiano di Tecnologia, CNST@Polimi, Italy*

SECTION I

Chairman: Giuseppe Resnati

9:15-10:00 Makoto **Fujita**, *University of Tokyo, Japan*

The Structure and Function of Self-assembled Coordination Architectures: Lessons from Nature

10:00-10:30 Alessandro **Casnati**, *Università di Parma, Italy*

Multivalent Calixarenes in Lectin and DNA Binding

10:30-11:00 Leonard **Prins**, *Università di Padova, Italy*

Functionalized Au Nanoparticles for Biomolecular Sensing and Catalysis

11:00-11:30 Coffee Break

SECTION II

Chairman: Makoto Fujita

11:30-12:15 Jonathan W. **Steed**, *Durham University, United Kingdom*

Responsive Supramolecular gels

12:15-12:45 Alberto **Credi**, *Università di Bologna, Italy*

Photoinduced Functions in Multicomponent Nanosystems

12:45- 14:00 Lunch

SECTION III

Chairman: Maurizio Prato

14:00-14:45 Luisa **De Cola**, *University of Münster, Germany*

Molecular Self-assembly for Biomedical Applications

14:45-15:15 Markus **Linder**, *VTT-Technical Research Centre of Finland*

Materials by self-assembly of natural nanosystems

15:15-15:45 Giuseppe **Gigli**, *Università del Salento, Italy*

Molecular Nanotechnology: towards a Bio Approach

15:45 – 16:15 Coffee Break

SECTION IV

Chairman: Luisa De Cola

16:15-17:00 Maurizio **Prato**, *Università di Trieste, Italy*

Applications of Functionalized Carbon Nanotubes in Nanobiotechnology

17:00-17:30 Gianluca **Farinola**, *Università di Bari, Italy*

Combining Photo/Electrically Active Molecules with Biological Structures for Advanced Functions

17:30-18:00 Arri **Priimägi**, *Aalto University, Finland*

Halogen-Bonded Photoresponsive Materials

18:00-18:30 Werner **Nau**, *Jacobs University Bremen, Germany*

Supramolecular Tandem Assays

Friday, June 29, 2012

SECTION V

Chairman: Stefan Matile

9:00-9:45 Kari **Rissanen**, *University of Jyväskylä, Finland*

Functional Supramolecules Through Molecular Self-assembly

9:45-10:15 Giuseppe **Resnati**, *Politecnico di Milano and Fondazione Istituto Italiano di Tecnologia, CNST@Polimi, Italy*

Anion Recognition and Coordination via Halogen Bond

10:15-10:45 Roberto **Gobetto**, *Università di Torino, Italy*

Solid State NMR Studies of Weak Interactions and Polymorphic Forms

10:45- 11:15 Coffee Break

SECTION VI

Chairman: Kari Rissanen

11:15-12:00 Stefan **Matile**, *University of Geneva, Switzerland*

Synthetic Supramolecules at Work

12:00-12:30 Pierangelo **Metrangolo**, *Politecnico di Milano and Fondazione Istituto Italiano di Tecnologia, CNST@Polimi, Italy*

Dynamic Supramolecular Architectures Controlled by Halogen Bonding

12:30-13:00 Davide **Bonifazi**, *University of Namur, Belgium*

Theming Organic Synthesis for Mastering Supramolecular Matter

13:00 Concluding remarks

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