

Supramolecular Chemistry@PoliMI:  
Where Nano meets Biology

POLITECNICO DI MILANO



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Milano, 28-29 June 2012

Thursday, June 28, 2012  
Aula De Donato  
Piazza Leonardo da Vinci, 32  
Politecnico di Milano - Campus Leonardo

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## SCIENTIFIC PROGRAM

**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

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### 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**

**No registration is required**

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