

# PROGRAM

## Tuesday, 28<sup>th</sup> June

14.00-16.00

*Registration*

16.00-16.30

*Opening Conference*

Chairperson: *Placido Neri*

16.30-17.20

**PL1**

**THOMAS SCHRADER**

*MOLECULAR TWEEZERS – Supramolecular Tools with fascinating biological applications*

Chairperson: *Antonio Bianchi*

17.20-17.40

**OC1**

**ALESSANDRO PEDRINI**

*Cavitand-based polymers for gas adsorption/separation and water treatment*

17.40-18.00

**OC2**

**GIANPIERO CERA**

*Merging molecular recognition and gold(I) catalysis with triphoscalix[6]arene ligands*

18.00-18.30

**KN1**

**YURI DIAZ FERNANDEZ**

*Exploiting non-covalent interactions for loading and controlled release of bioactives from functional surfaces.*

19.30

*Welcome Party*

## Wednesday, 29<sup>th</sup> June

Chairperson: *Alessandro Casnati*

9.00-9.30

**KN2**

**ANNA NOTTI**

*Lower-rim sulfonato calixarenes: amphiphiles and supra-amphiphiles in action*

9.30-9.50

**OC3**

**JACK CHEN**

*Dynamic catalyst systems from the self-assembly of amphiphiles*

9.50-10.10

**OC4**

**GIACOMO PICCI**

*Anion-responsive fluorescent supramolecular gels*

10.10-10.40

**KN3**

**PAOLA LUCIANI**

*Modulating drug release with composite lipid-based delivery platforms*

10.40-11.00

*Coffee Break*

Chairperson: *Antonella Dalla Cort*

11.00-11.30

**KN4**

**ELEONORA MACEDI**

*Maltol-based scaffolds: a versatile tool*

11.30-11.50

**OC5**

**ANDREA CESARI**

*Cavitand-decorated silica nanoparticles as selective receptors for the detection of N-methylated amines*

- 11.50-12.10 **OC6 SHENG GAO**  
*Photophysical and photodeformation properties of star-shaped Ru (II) motor systems containing BODIPY or BODIPY-styryl fragments*
- 12.10-12.30 **OC7 ROSA BELLAVITA**  
*Self-assembled peptide-based nanofibers for anticancer applications*
- 12.30-12.50 **OC8 PAOLA POSOCCO**  
*Data-driven identification of molecular environments in self-assembled monolayers: a proof-of-concept study*

12.50-14.50 **Lunch**

Chairperson: **Fabrizio Mancin**

- 14.50-15.20 **KN5 CARLA ARAGONI**  
*Structural insights into chalcogen bonding*
- 15.20-15.40 **OC9 ROBERTO PENASA**  
*Chiroptical enhancement of chiral dicarboxylic acids from confinement in a stereodynamic supramolecular cage*
- 15.40-16.00 **OC10 DANIELE PADERNI**  
*A new HNBO-based family of fluorescent chemosensors for Mg<sup>2+</sup>*
- 16.00-16.20 **OC11 MARIA ANGELA CASTRICIANO**  
*Insights into TPPS porphyrin J-aggregates*
- 16.20-16.40 **OC12 GIAMMARCO MARIA ROMANO**  
*Polyamine receptors as fluorescent chemosensors for emerging pollutants in aqueous media*

16.40-17.00 **Coffee Break**

Chairperson: **Carmelo Sgarlata**

- 17.00-17.07 **FP1 MONICA TERRACCIANO**  
*Redox responsive polymeric gatekeepers—modified diatomite nanoparticles for on-demand intracellular delivery of antisense peptide nucleic acid*
- 17.08-17.15 **FP2 SARA VENTURI**  
*Amyloid and Non-Amyloid Aggregation of  $\beta$ -Lactoglobulin in Self-Crowded Regime*
- 17.16-17.23 **FP3 LUCA MANCINI**  
*Two new squaramide-based chemosensors for the detection of non-steroidal anti-inflammatory drugs*
- 17.24-17.31 **FP4 FILIPPO INGARGIOLA**  
*Supramolecular-based fluorescent ligands as sensing tools for the detection of nonsteroidal anti-inflammatory drugs*

Chairperson: **Claudia Caltagirone**

- 17.35-17.42 **FP5 MARCO AGNES**  
*Challenging tumor hypoxia with a polymeric carrier system simultaneously encapsulating complementary therapeutic agents*
- 17.43-17.50 **FP6 AMBRA MARIA CANCELLIERE**  
*New application for an Iron(III)-carbene complex*
- 17.51-17.58 **FP7 LUCIO MELONE**  
*In vivo imaging of gliomas with cyclodextrin-based organic radical contrast agents*

18.00-19.00 **Poster Session**

## Thursday, 30<sup>th</sup> June

Chairperson: *Carmine Gaeta*

9.00-9.50 **PL2 STEVE GOLDUP**  
*Mechanically Chiral Molecules: Synthesis and Applications*

Chairperson: *Vieri Fusi*

9.50-10.10 **OC13 ANTONELLA FONTANA**  
*3D Graphene oxide porous scaffold for cardiac tissue engineering*

10.10-10.30 **OC14 GIUSEPPE TRUSSO SFRAZZETTO**  
*Supramolecular sensing of chemical warfare agents*

10.30-10.50 **OC15 KENT KIRSHENBAUM**  
*Topologically defined supramolecular assemblies formed by heterodimeric coiled-coil peptides*

10.50-11.10 *Coffee Break*

11.10-13.00 *Mini Tour of Salerno City*

13.00-15.00 *Lunch*

Chairperson: *Luca Prodi*

15.00-15.30 **KN6 ILSE MANET**  
*Implementation of water-soluble crosslinked cyclodextrin -based polymers for light-activated combination therapy*

15.30-15.50 **OC16 DANIELE DEL GIUDICE**  
*Dissipative dynamic covalent chemistry (DDCvC) based on the transamination reaction*

15.50-16.10 **OC17 GIUSEPPINA D. G. SANTONOCETA**  
*Stimuli-responsive metal-coordinated assemblies of quercetin as effective drug delivery systems in aqueous solution*

16.10-16.30 **OC18 GIUSEPPE FLORESTA**  
*Three-component aza-Darzens reaction catalysed by cyclodextrins in water*

16.30-16.50 **OC19 OSCAR FRANCESCONI**  
*A tweezers-shaped biomimetic receptor targeting the core GlcNAc<sub>2</sub> disaccharide of N-glycans*

16.50-17.10 *Coffee Break*

Chairperson: *Luigi Monsù Scolaro*

17.10-17.40 **KN7 MATTEO SAVASTANO**  
*From anions to lone pairs: evidence, relevance and directionality of pi interactions*

17.40-18.00 **OC20 SALVATORE MARULLO**  
*Supramolecular ionic liquid gels as sorbents for bisphenol-A removal*

18.00-18.20 **OC21 CLAUDIA MARIA CAFIERO**  
*Fluorophore-gold nanoparticles assemblies as sensing tools for bacteria identification*

18.20-18.50 **KN8** **CRISTIAN PEZZATO**  
*The chemistry of spiropyrans in water*

21.00 *Social Dinner*

## **Friday, 1<sup>st</sup> July**

Chairperson: *Piersandro Pallavicini*

9.00-9.30 **KN9** **PIERANGELO GOBBO**  
*Self-assembled protein-polymer nanoconjugates as functional nano-building blocks for novel bio-inspired materials*

9.30-9.50 **OC22** **ELENA ALLEGRI**  
Iron oxide magnetic nanoparticles coated with lipid bilayer as tools in waste-water treatment

9.50-10.10 **OC23** **RICCARDO SALVIO**  
*Self-assembling systems based on calix[4]arenes with catalytic activity in phosphodiester cleavage. Inter- and intramolecular cooperativity*

10.10-10.40 **KN10** **ROBERTA PINALLI**  
*Exploiting host-guest chemistry in sensing array, water micropollutant detection and removal, polymer blending, and self-diagnostic composites*

10.40-11.00 *Coffee Break*

Chairperson: *Pierangelo Metrangolo*

11.00-11.30 **KN11** **ALESSANDRO D'URSO**  
*Designing supramolecular systems with desired properties in aqueous solution*

11.30-11.50 **OC24** **GIACOMO DACARRO**  
*Prussian Blue nanoparticles as novel photothermal antibacterial agents*

11.50-12.10 **OC25** **ANTONINO FAMULARI**  
*Unusual properties of M12L8 poly-[n]-catenanes: a X-ray/QM study*

12.10-12.40 **KN12** **LUKA DORDEVIC**  
*Photocatalysis with supramolecular hydrogels*

12.40-13.00 *Closing Remarks*

13.00-15.00 *Lunch*