

XIII CONGRESSO NAZIONALE DI CHIMICA SUPRAMOLECOLARE

18th-21st June 2017

PROGRAMME

Sunday, June 18th, 2017

15h30 Registration

20h00 Welcome Party

Monday, June 19th, 2017

09h00 Opening ceremony

Chairman Prof. Antonio Bianchi

09h30 PL1 **Valérie Heitz** (Université de Strasbourg)

“Multicomponent systems with porphyrins: switchable nanocontainers and molecular theranostic agents”

10h20 KN1 **Cecilia Bombelli** (CNR-IMC)

“Inclusion of antioxidants in mitochondriotropic liposome formulations”

10h50 Coffe break (poster session)

Chairman Prof. Antonella Dalla Cort

11h20 OC1 **Anna B. Aletti**, Joseph P. Byrne, Eoin McCarney, Salvador Blasco, Thorfinnur Gunnlaugsson

"Self-assembly and anion binding properties of 2,6-bis(1,2,3-triazol-4-yl)pyridine (BTP) based macrocycles and [2]Catenanes"

11h40 OC2 Antonella Fontana, Romina Zappacosta, Valeria Ettore, Mara Di Giulio, Caroline Hadad, Luigina Cellini

"Easy preparation of aqueous dispersions of few layer graphene"

12h00 OC3 **Andrea Bernardos**, Irene Galiana, Beatriz Lozano, Cristina Gimenez, Daniel Muñoz, Miguel Rovira, José Ramón Murguía, Manuel Serrano, María Dolores Marcos, Ramón Martínez-Máñez

"Senescent-associated nanoparticles as drug delivery system"

12h20 OC4 **C. Sgarlata**, C. Bonaccorso, R. Migliore, M. Volkova, P. Gans, G. Arena

"HypCal, a versatile program for the determination of standard reaction enthalpy and binding constant values from calorimetric data"

12h40 OC5 **Francesca Ceccacci**, Serena Ponte, Adriana Pietropaolo, Anita Scipioni, Luciano Galantini, Giovanna Mancini

"Heteroaggregates dye/surfactant as model systems to investigate the transfer of chirality from molecules to complex systems"

13h00 KN2 **Barbara Ventura** (CNR-ISOF)

“Porphyrin-based self-assembled arrays with light-driven functionalities”

13h30 Lunch

Chairman Prof. Luca Prodi

14h50 KN3 **Roberto Corradini** (Università degli Studi di Parma)

“Building on the peptide nucleic acid (PNA) scaffold: a biomolecular engineering approach”

15h20 OC6 **Laura Baldini**, Federica Faroldi, Irene Tosi, Francesco Sansone, Brunella Bardi, Cristina Sissa, Francesca Terenziani, Alessandro Iagatti, Mariangela di Donato

“Study of the excitation energy transfer in a small family of calixarene-based bichromophoric compounds”

15h40 OC7 **Flavio della Sala**, Leonard J. Prins

“Hierarchical self-assembly of supramolecular amphiphiles into higher-order nanostructures”

16h00 OC8 **Giulio Ragazzon**, E. Penocchio, G. Brancato, V. Barone, A. Credi, L. J. Prins

“From light- to chemically-driven dissipative self-assembly”

16h20 Coffe break (poster session)

Chairman Prof. Luigi Monsù Scolaro

16h40 OC9 **Guido Ennas**, M.C.Aragoni, V.Cabras, S.J. Coles , R.Lai,
M.Pilloni, A. Scano

“Mechanochemical Reactivity of Square Planar Nickel Complexes and Pyridyl Based Spacers for the Solid State Preparation of Coordination Polymers”

17h00 OC10 **Isabella Daidone**, Laura Zanetti-Polzi, Massimiliano Aschi
Andrea Amadei

“Insight into the IR-Spectra/Structure Relationship in Amyloid Fibrils: A Simulation Study on a Prion Peptide”

17h20 OC11 **Luca Conti**, Gianluca Ambrosi, Andrea Bencini,
Mauro Formica, Vieri Fusi, Claudia Giorgi, Barbara Valtancoli

“New polyamine-based fluorescent chemosensors for metal ions recognition in aqueous solution”

17h40 KN4 **Gabriella Cavallo**, Pierangelo Metrangolo, Roberto
Milani, Arri Priimagi, Valentina Dichiarante, Giancarlo
Terraneo, (Politecnico di Milano)

“Engineering New Functional Materials Through Halogen Bonding”

Tuesday, June 20th, 2017

Chairman Prof. Giovanna Mancini

09h10 PL2 **Ramón Martínez-Máñez** (Universitat Politècnica de València)

“Chromo-fluorogenic Probes and Advanced Sensing Materials”

10h00 KN5 **Francesco Ricci** , (Università di Roma Tor Vergata)

“DNA-based nanodevices for diagnostic and drug-delivery applications”

10h30 OC12 **Luciano Lattuada**, Lorena Beltrami^a, Enrico Cappelletti^a, Giovanni B. Giovenzana^b, Loredana Sini

“Bifunctional chelating agents based on AAZTA scaffold”

10h50 OC13 **Massimo Cocchia**

“Berghof, High pressure reactors: where are your limits?”

11h10 Coffe break (poster session)

Chairman Prof. Vieri Fusi

11h40 OC14 **Luisa Giansanti**, Manuela Petaccia, Angela La Bella, Francesca Leonelli, Giovanna Mancini

“Fluorescent lipid based sensor for the detection of an enzymatic tumor biomarker”

12h00 OC15 **Marco Fornasier**, Claudia Caltagirone

“Urea-based receptors for anion recognition”

12h20 OC16 **Matteo Calvaresi**, Francesco Zerbetto

“Proteins as supramolecular hosts for nano-objects”

12h40 OC17 **Matteo Di Giosia**, Lucia Ferrazzano, Federica Nicolini, Francesco Valle, Marco Montalti, Alessandra Tolomelli, Matteo Calvaresi

“Peptide nanotweezers for monomolecular dispersion of fullerenes”

13h00 KN6 **Paolo Pengo** (Università degli Studi di Trieste)

“Mixed Self-Assembled Monolayers on Gold Nanoparticles: Challenges and Opportunities”

13h30 Lunch

Chairman Prof. Piersandro Pallavicini

14h50 KN7 **Andrea Romeo**, Maria Angela Castriciano, Luigi Monsù Scolaro (Università degli Studi di Messina)

“Supramolecular Chirality in Self-Assembled Porphyrin Architectures”

15h20 OC18 **Mattia Nieddu^a**, José María López de Luzuriaga, Vito Lippolis, Alessandra Garau, Miguel Monge, M. Elena Olmos, Rocío Donamaría

“Study of optical properties of aryl gold and thallium derivatives with heterocyclic ligands”

15h40 OC19 **Oscar Francesconi**, M. Martinucci, C. Nativi, S. Roelens

"An aminocarbazolic receptor recognizes fucose and galactose in water"

16h00 OC20 **Roberta Pinalli**

"Stimuli responsive polymers via molecular recognition"

16h20 Coffe break (poster session)

16h40 Short Oral Presentations

Chairman Prof. Paolo Tecilla

SO1 Agnese Amati, G. Cecot, I. Regeni, E. Giraldi, N. Demitri, K. Severin, E. Iengo

"Hetero-metallic discrete systems assembled from Zn(II)-porphyrin metallacycles and clathrochelate metal-containing ligands"

SO2 Alvaro Martínez, Fabrizio Mancin, Paolo Scrimin

"Targeted nanoparticle-protein interactions for selective capturing"

SO3 Angela Ricci, Gianluca Ambrosi, Mauro Formica, Vieri Fusi, Mirco Fanelli, Luca Giorgi

"Novel oxadiazole-based fluorescent macrocycles for biological and sensing applications"

SO4 Damiano Genovese, Francesco Palomba, Cristina Satriano, Enrico Rampazzo, Nelsi Zaccheroni, Luca Prodi

"Visualizing Interactions between Hyaluronic Acid and Nanomaterials with Fluorescence"

SO5 Eleonora Macedi, Gianluca Ambrosi, Mauro Formica, Vieri Fusi, Luca Giorgi, Paola Paoli, Patrizia Rossi

“Insights into a family of fluorescent receptors with dual chemosensor/anticancer application”

SO6 Luca Leoni, R. Puttreddy, C. E. Chiaretti, A. Mele, K. Rissanen, A. Dalla Cort

“Catching elusive anion- π interactions in solution and in the solid state ”

SO7 Massimo Tosolini, Nicola Passoni, Gabriele Balducci, Elisabetta Iengo, Paolo Tecilla

“Transition Metal Complexes with bis-Phosphine Ligands as Anion Transporters across Biological Membranes”

SO8 Sara Battista, Luisa Giansanti, Barbara Altieri, Giovanna Mancini

“Detection of tumour biomarkers through liposomal polydiacetylenic sensors functionalized with 5-fluorouracil”

SO9 Suchithra Ashoka Sahadevan, Alexandre Abherve, Noemi Monni, Narcis Avarvari, Maria Laura Mercuri

“Synthesis and Physical Properties of Supramolecular Networks Based on Chlorocyanilate Ligand”

SO10 Valeria Caponetti, Marco Montalti

“Self-assembling supramolecular structures as stimuli-responsive systems for sensing pH and anions in water”

SO11 Lorenzo Casimiro, Giulio Ragazzon, Massimo Baroncini, Serena Silvi, Margherita Venturi, Jessica Groppi, Alberto Credi

“Light Powered Artificial Molecular Pumps”

SO12 Andrea Cantelli , Alice Soldà, Matteo Di Giosia, Marco Montalti, Francesco Zerbetto, Stefania Rapino , Matteo Calvaresi

“C60@lysozyme: a new photosensitizing agent for photodynamic therapy”

SO13 Matteo Savastano, P. Arranz-Mascarós, C. Bazzicalupi, M. P. Clares, M. L. Godino-Salido, M. D. Gutiérrez-Valero, M. Inclán, A. Bianchi, E. García-España, R. Lopez-Garzón

“Macrocyclic Complexes as Surface Functionalities for CNTs: Pd(II) Catalysis”

20h00 Gala dinner

Wednesday, June 21th, 2017

Chairman Prof. Nicola Armaroli

09h30 KN8 **Carmine Gaeta**, Carmen Talotta, Margherita De Rosa, Annunziata Soriente, Placido Neri (Università degli Studi di Salerno)

“Unconventional Forms of Stereoisomerism Induced by Threading of Calixarene-Wheels with Ammonium Axles”

10h00 OC21 **Riccardo Salvio**, Stefano Volpi, Roberta Cacciapaglia, Francesco Sansone, Luigi Mandolini, Alessandro Casnati

“Calix[4]arenes and Guanidinium Unit as Tools to Achieve Enzyme Mimics of Staphylococcal Nuclease and DNA Topoisomerase I”

10h20 OC22 **Sergio Murgia**, Claudia Caltagirone, Vito Lippolis, Maura Monduzzi, Luca Prodi

“Drug loaded, fluorescent cubic liquid crystalline dispersions designed for applications in cancer therapy”

10h40 OC23 **Simona Concilio**, Ilaria Ferrentino, Lucia Sessa, Antonio Massa, Stefano Piotto, Pio Iannelli

“Novel fluorescent solvatochromic molecules as probes for lipid bilayers”

11h00 Coffe break

Chairman Prof. Giuseppe Arena

11h30 OC24 **Stefano Di Stefano**, Chiara Biagini, Simone Albano

“Controlling the Rate of the Cyclic Motions of a Molecular Switch by a Fine Tuning of the Fuel Molecular Structure”

11h50 OC25 **Tania M. Godoy-Reyes**, Antoni Llopis-Lorente, Pablo Gaviña, Ana María Costero, Ramón Martínez-Máñez, Félix Sancenón

“Selective and sensitive colorimetric detection of the neurotransmitter serotonin based on the aggregation of bifunctionalized gold nanoparticles”

12h10 OC26 **Davide Sbravati**, Valeria Pizzolante, Silvia Bua, Fabrizio Carta, Alessandro Casnati, Francesco Sansone, Claudiu T. Supuran

“Calixarene-based multivalent inhibitors for carbonic anhydrase”

12h30 KN9 **Giacomo Dacarro**, Barbara Bassi, Agnese D'Agostino,
Piersandro Pallavicini, Angelo Taglietti (Università degli Studi di Pavia)

*“Self-Assembled Monolayers of nanoparticles with photohermal
properties”*

13h00 **Closing ceremony**

13h20 **Lunch**