

CONFERENCE PROGRAMME

Sunday, 8th

18.00-20.30 Registration and Welcome Reception (Broletto Palace)

Monday, 9th

9.00-9.30 Opening Ceremony

Chairman: Luigi FABBRIZZI

9.30-9.50 **OC-1** Anion Recognition by Triethylbenzene-Capped Polyamine Macrobicyclic Receptors: Tuning Selectivity through Small Structural Changes.

Pedro MATEUS, Rita DELGADO

9.50-10.10 **OC-2** Metallocrowns: controlling the assembly toward supramolecular constructs

Matteo TEGONI, Corrado ATZERI, Davide CAPUCCI, Maurizio REMELLI, N. PECORARO

10.10-10.30 **OC-3** Copper(II) complexes of cyclams containing nitrophenyl substituents: push-pull behaviour and scorpionate coordination of the nitro group

Massimo BOIOCCHI, Carlo CIARROCCHI, Luigi FABBRIZZI, Carlo MANGANO

10.30-10.50 **OC-4** The Importance of Metal Ion Complexation in a Biphasic Solvent Extraction System

Travis S. GRIMES, Leigh R. MARTIN

10.50-11.20 Coffee break

Chairman: Enrique GARCÍA-ESPAÑA

11.20-12.00 **PL-1** Supramolecular Analytical Chemistry

Eric V. Anslyn

12.00-12.20 **OC-5** New Kinetically Inert Cu(II)-Bispidine Complex for Nuclear Medicine and Diagnosis

Jérémy BRANDEL, Véronique Hubscher-Bruder, Amandine Roux, Aline Nonat, and Loïc Charbonnière

12.20-12.40 **OC-6** The role of side chains in the fine tuning of metal binding ability of peptides.

Katalin VÁRNAGY, Gizella CSIRE, Sarolta TIMÁRI

- 12.40-13.00 **OC-7** Insights on the coordination mode of phenolic compounds with Al(III) ion from a combined experimental and theoretical study.
Emilia FURIA, Tiziana MARINO, Antonio TAGARELLI, Nino RUSSO
- 13.00-15.00 *Lunch break*
- 13.00-15.00 *Chairman: Plinio DE BERNARDO*
- 15.00-15.15 **Honoring Prof. Roberto Portanova** (Marilena TOLAZZI)
- 15.15-15.45 **KN-1** Actinide carboxylate complexes in solution: a long travel among experiments and theory
Andrea MELCHIOR, Plinio DI BERNARDO, Marilena TOLAZZI
- 15.45-16.00 **Honoring Prof. Vincenzo Romano** (Roberto ZINGALES)
- 16.00-16.30 **KN-2** Generation of novel Au_mSe_n clusters via laser ablation synthesis. Laser desorption ionisation time-of-flight mass spectrometry
Lubomír PROKEŠ, Eladia Maria PEÑA-MÉNDEZ, Filippo AMATO, Milan ALBERTI, Pavel KUBÁČEK, Josef HAVEL
- 16.30-17.00 *Coffee break*
- Chairman: Tarita BIVER*
- 17.00-17.20 **OC-8** Some Research Results Accounting Professor Vincenzo Romano Teachings
Manuel VALIENTE
- 17.20-17.40 **OC-9** Weak complexes of sodium cation with negatively charged ligands
Silvia BERTO, Enrico CHIAVAZZA, Pier Giuseppe DANIELE, Gabriele LANDO, Enrico PRENESTI, Silvio SAMMARTANO
- 17.40-18.00 **OC-10** The Interaction of Scorpiand-type Polyazacyclophanes with Single and Double-Stranded Polynucleotides Reveals Sequence Selectivity
Enrique GARCIA-ESPAÑA, Mario INCLÁN, M^a. Teresa ALBELDA
- 18.00-19.00 **Poster Session 1** (from P1 to P30)
- 21.30** **Live band music & dance entertainment**

Tuesday, 10th

Chairman: M. Amelia SANTOS

- 9.10-10.00 **PL-2 Iron chelators – novel therapeutic agents.**
Robert Hider
- 10.00-10.20 **OC-11** Alarming use of chelation therapy
Guido CRISPONI, Valeria M. NURCHI, Joanna I. LACHOWICZ, Miriam CRESPO-ALONSO, M. Antonietta ZORODDU, Massimiliano PEANA
- 10.20-10.40 **OC-12** ⁶⁸Ga-labelled curcuminoids complexes: potential radiotracers for imaging of cancer and Alzheimer's disease
Erika FERRARI, Mattia ASTI, Stefania CROCI, Giulia ATTI, Sara RUBAGOTTI, Monica SALADINI
- 10.40-11.00 **OC-13** Kinetic study of copper(II) complexes of TETA-like macrocyclic ligands
Přemysl LUBAL, Romana ŠEVČÍKOVÁ, Jakub VANĚK, Petr HERMANN, Luís M.P. LIMA, Rita DELGADO
- 11.00-11.30 *Coffee break*
- Chairman: Isabel VILLAESCUSA
- 11.30-12.00 **KN-3** Structural, thermodynamic, and kinetic chelation studies of f-elements by hydroxamic siderophores
Michel MEYER
- 12.00-12.20 **OC-14** Strategies for the Development of Novel Pt Anticancer Compounds: Shifting the Paradigms from Pt(II) to Pt(IV) Complexes
Mauro RAVERA, Elisabetta GABANO, Ilaria ZANELLATO, Ilaria BONARRIGO, Domenico OSELLA
- 12.20-12.40 **OC-15** Synthesis and asymmetric oxidations by chiral dinuclear copper complexes
Maria Lucia PERRONE, Eliana LO PRESTI, Luca PASOTTI, Enrico MONZANI, Laura SANTAGOSTINI, Luigi CASELLA
- 12.40-13.00 **OC-16** Reactivity of copper- α -synuclein peptide complexes relevant to Parkinson's disease
Simone DELL'ACQUA, Cecilia ANZANI, Valentina PIROTA, Michela M. ROCCO, Daniela VALENSIN, Enrico MONZANI, Luigi CASELLA
- 13.00-15.00 *Lunch break*

Chairman: Juan Nicolás GUTIERREZ

- 15.00-15.20 **OC-17** The effect of the metal ions on the active centre of colicin E7 nuclease
Eszter NÉMETH, Gabriella SCHILLI, Csilla KONCZ, Anikó CZENE, Milan KOŽIŠEK, Hans E.M. CHRISTENSEN, Kyosuke NAGATA, Béla GYURCSIK
- 15.20-15.40 **OC-18** Interaction of Silver Salts, Nanoparticles and Complexes with Bacterial and Yeast Cell Components
Iryna GONCHAROVA, Oleksiy LYUTAKOV, Marie URBANOVÁ
- 15.40-16.00 **OC-19** Surfaces modified with gold nanostars for a Near-IR switchable photothermal antibacterial action
Piersandro PALLAVICINI
- 16.00-16.20 **OC-20** The Peculiar Metal Ion-Coordinating Properties in Solution of the Antiviral and Cytostatic Nucleotide Analogue 9-[2-(Phosphonomethoxy) ethyl]-2-amino-6-dimethylaminopurine (PME2A6DMAP)
Astrid SIGEL, Helmut SIGEL
- 16.20-16.40 **OC-21** Synthesis, spectral characterization, anticancer activity and theoretical studies on some Schiff bases
Tiziana PIVETTA, Claudia FATTUONI, Federica TRUDU, Elisa VALLETTA, Elisa CARTA, Roberta MELIS, Alessandra PANI
- 16.40-17.00 *Coffee break*
- Chairman: Manuel VALIENTE*
- 17.00-17.20 **OC-22** C,N-chelated Organotin(IV) Pseudohalides: Synthesis, Characterization and Reactivity Studies
Petr ŠVEC, Zdeňka PADĚLKOVÁ, Aleš RŮŽIČKA
- 17.20-17.40 **OC-23** Structural Differences of Lithium Complexes Containing Hybrid Amino/Guanidinate Ligands
Jana NEVORALOVA, Zdenka PADELKOVA, Ales RUZICKA
- 17.40-18.00 **OC-24** Monomer or aggregate? Solution chemistry applications to today's problems
Tarita BIVER
- 18.00-19.00 **Poster Session 2** (from P31 to P65)
- 19.00-20.00 **GTC Meeting**

Wednesday, 11th

Chairman: Antonio BIANCHI

- 9.10-10.00 **PL-3** Stability Constants: Determination and Uses
Peter GANS
- 10.00-10.10 **OC-25** 5-hydroxy-2-(hydroxymethyl)pyridin-4(1H)-one molecule as an intriguing tool in coordination and enzymatic studies
Joanna I. LACHOWICZ, Valeria M. NURCHI, Guadalupe J. PELAEZ, Leonardo TOSO, Miriam CRESPO-ALONSO, Peter GANS, M. Amelia SANTOS
- 10.20-10.40 **OC-26** Comprehensive modelling capability for aqueous solution thermodynamics: progress
Darren ROWLAND, Peter MAY
- 10.40-11.00 **OC-27** Naphthalenediimides as Selective "Naked eye" Chemosensor for Copper(II) in Aqueous Solution
Filippo DORIA, Valeria AMENDOLA, Vincenzo GRANDE, Greta BERGAMASCHI, Mauro FRECCERO

11.00-11.30 *Coffee break*

Chairman: Guido CRISPONI

- 11.30-12.00 **KN-4** Is chemometric easy? I think so. For sure it is cheap
Riccardo LEARDI
- 12.00-12.20 **OC-28** Analysis of Phosphorus and Sulfur by QQQ-ICP-MS
Glenn WOODS, Peter PLANITZ, Sebastian SANNAC
- 12.20-12.40 **OC-29** Copper(II) Binding to (Tacrine-S-allyl)- and (Tacrine-S-propargyl)-cysteine as Potential Anti-Neurodegenerative Hybrid Drugs
Catarina QUINTANOVA, Rangappa S. KERI, Sílvia CHAVES, M. Amélia SANTOS
- 12.40-13.00 **OC-30** Cr(VI) removal by using exhausted coffee waste: from synthetic solutions to industrial effluents
Chang LIU, Núria FIOL, Marc BARTROLÍ, Jordi POCH, Isabel VILLAESCUSA

13.00-15.00 *Lunch break*

15.00-18.30 Excursion

20.30 Social Dinner

Thursday, 12th

Chairman: Matteo TEGONI

9.30-10.30 **PL-4 Metal Ions and Neuronal Peptides: Binding and Redox Reactivity**
Luiqi CASELLA

10.30-10.40 **Pulidori Award – M. Remelli**

10.40-11.00 **OC-31 (Pulidori Award)**
Slawomir POTOCKI

11.00-11.10 **Bertero Awards – R. Biesuz**

11.10-11.20 **PP1 (Bertero Award)** Phytate in aqueous solution: unveiling its microprotonation equilibria and coordination ability under physiological conditions
Nicolás VEIGA, Julia TORRES, Israel MACHO, Kerman GÓMEZ, Gabriel GONZÁLEZ, Carlos KREMER

11.20-11.30 **PP2 (Bertero Award)** Binding studies of a dicopper(II) cryptate with dicarboxylate anions
Catarina V. ESTEVES, Pedro MATEUS, Rita DELGADO

11.30-11.40 **PP3 (Bertero Award)** Biomonitoring of toxic element exposure by ICP-AES and ICP-MS analysis
Miriam CRESPO-ALONSO, Valeria M. NURCHI, Joanna I. LACHOWICZ, M. Guadalupe JARAQUEMADA-PELÁEZ, Gavino SANNA

11.40-12.00 *Coffee break*

Chairman: Maria PESAVENTO

11.30-12.00 **KN-5 Hydroxamates as useful tools for the construction of artificial siderophores and metallacrowns**
Agnieszka SZEBESCZYK, Jenny BESSERGLICK, Evgenia OLSHVANG, Abraham SHANZER, Malgorzata OLEDZKA, Irina Golenya, Igor O. FRITSKY, and Elzbieta GUMIENNA-KONTECKA

12.30-13.00 **Closing remarks & presentation of ISMEC 2015**