

Scientific Program

Thursday 28 th April, 2016		
8:00 - 9:00	Registration	
9:00 - 9:10	Welcome	
Oral Communications Session 1		
Chair: Anna Mårtensson		
9:10 - 9:30	OC-1	Ryszard Walenty Adamiak Unique solvation network of the high salt Z-RNA structure: a computational study
9:30 - 9:50	OC-2	Miquel Barceló-Oliver Characterization of the full-length <i>btuB</i> riboswitch from <i>Klebsiella pneumoniae</i>
9:50 - 10:10	OC-3	Celia Fonseca Guerra The Role of Alkali Metal Cations in the Stabilization of Guanine Quadruplexes: Why K ⁺ is the best
10:10 - 10:30	OC-4	Jens Müller Imidazophenanthroline as an artificial nucleobase for metal-mediated base pairing
10:30 - 10:50	OC-5	M. Eugenio Vazquez Coupling peptide folding with chelation-enhanced luminescence for specific sensing of RNAs
10:50 - 11:20	Coffee Break	
Early Career Investigators Session 1		
Chair: Luca Ronconi		
11:20 - 11:35	ECI-1	Sofia Gama Anthracene-Terpyridine Metal complexes as new G-Quadruplex DNA binders
11:35 - 11:50	ECI-2	Elena Alberti Exploiting NMR to assess the interaction between a metallo-intercalator and an RNA internal loop
11:50 - 12:05	ECI-3	Louise Slope Towards the Design of an Artificial Upconverting Metalloprotein
12:05 - 12:20	ECI-4	Angelo Spinello The inhibition of water and glycerol permeability of Aquaporin-3
12:20 - 12:35	ECI-5	Olga Stuchlikova Reductive Activation of Platinum(IV) prodrugs by Cytochrome C and its interactions with cisplatin
12:35 - 12:50	ECI-6	Belinda Halling Sørensen Role of LRRC8A/D in the cellular actions of R- and S-1,1'-binaphthyl-2,2'-diaminodichlorido-Pt(II) complexes
12:50 - 13:05	ECI-7	Christian Kowol Tyrosine-kinase receptor targeted platinum(IV) complexes
13:05 - 13:20	ECI-8	Jana Hildebrandt Are Ru(II)/Pt(IV) Complexes useful compounds to overcome Drug resistance?
13:20 - 15:20	Lunch Break	

Oral Communications Session 2		
Chair: Daniela Donghi		
15:20 - 15:40	OC-6	Giovanni Natile Probing the interaction between cisplatin and the monoclonal antibody trastuzumab by ESI-MS and NMR spectroscopy
15:40 - 16:00	OC-7	Viktor Brabec Potentiation of mitochondrial dysfunction in tumor cells by conjugates of metabolic modulator dichloroacetate with a Pt(IV) derivative of oxaliplatin
16:00 - 16:20	OC-8	Jana Kasparkova Mechanisms of antitumor effects of new platinum(II) complexes with the non-steroidal anti-inflammatory agent
16:20 - 16:40	OC-9	Rainer Schobert Light at the end of the tunnel: some reliable SAR emerging for antitumoral NHC complexes of gold and platinum
16:40 - 17:10	Coffee Break	
Oral Communications Session 3		
Chair: Jitka Pracharova		
17:10 - 17:30	OC-10	Ian Henry Lambert Role of LRRC8A-containing transporters on cisplatin resistance in human cancer cells
17:30 - 17:50	OC-11	Gianni Sava Platinum drugs in the era of the targeted therapies
17:50 - 18:10	OC-12	Christian Gaiddon A ruthenium anticancer compound interacts with histones and impacts differently on epigenetic and death pathways compared to cisplatin
18:10 - 18:30	OC-13	Walter Berger Metal drugs and the anticancer immune response
18:30 - 21:30	Poster session	

Friday 29th April, 2016

Oral Communications Session 4

Chair: **Alicia Dominguez Martin**

9:00 - 9:20	OC-14	Ingo Ott Gold NHC Complexes: From Anticancer Agents to Gram-positive Selective Antibacterial Agents
9:20 - 9:40	OC-15	Matthias Tacke Novel Metallocarbene Antibiotics and Anticancer Drugs
9:40 - 10:00	OC-16	Piotr Garnuszek Theoretical computational comparison of DOTA-minigastrin analogue (CP04) complexes with ⁶⁸ Ga and ¹⁷⁷ Lu
10:00 - 10:20	OC-17	Roger Alberto Functional Rhenium and Technetium Complexes: Targets and Building Blocks
10:20 - 10:40	OC-18	Angela Casini Novel self-assembled palladium cages as potential drug delivery systems and cytotoxic agents
10:40 - 11:00	OC-19	Maria Pia Rigobello Inhibitors of thioredoxin reductase 2 and consequences into mitochondria functions
11:00 - 11:30	Coffee Break	
Early Career Investigators Session 2		
Chair: Anna Peacock		
11:30 - 11:45	ECI-9	Sophie Jürgens Organometallic C [^] N-C-R [^] C Au(III) coupled systems for cancer cell treatment
11:45 - 12:00	ECI-10	Valeria Scalcon Metallocefens derived from tamoxifen inhibit thioredoxin system determining mitochondrial impairment and cell death
12:00 - 12:15	ECI-11	Vincent van Rixel Interaction of light-activatable trans-polypyridyl ruthenium complexes with single strand oligodeoxyribonucleotides
12:15 - 12:30	ECI-12	Yvonne Gothe Mechanistic Studies on Cytotoxic Ir(I)-NHC Complexes
12:30 - 12:45	ECI-13	Tadhg mc Givern Novel multifunctional copper conjugates; design, synthesis and in vitro pharmacological evaluation
12:45 - 13:00	ECI-14	Wojciech Streciwilk Investigation of the DNA binding properties of novel naphthalimide-based N-heterocyclic carbene metal complexes
13:00 - 13:15	ECI-15	Julius Grosche MS analysis of integrin-RAPTA-T adducts
13:15 - 15:15	Lunch Break	

Oral Communications Session 5		
Chair: Tiziano Marzo		
15:15 - 15:35	OC-20	Péter Buglyó Interaction between platinum metals and hydroxamates
15:35 - 15:55	OC-21	Elisa Barea Inorganic Porous Frameworks as CO Releasing Materials
15:55 - 16:15	OC-22	Adoracion G. Quiroga Rational procedures for metallodrugs drugs activation and design
16:15 - 16:35	OC-23	Iztok Turel Ruthenium Complexes with O,O-Ligands: Physicochemical and Biological Studies
16:35 - 17:05	Coffee Break	
Oral Communications Session 6		
Chair: Luca Salassa		
17:05 - 17:25	OC-24	Gilles Gasser Selective Photo-Release of Organometallic-containing Enzyme Inhibitors
17:25 - 17:45	OC-25	Andriy Mokhir Aminoferrocene-based anticancer prodrugs
17:45 - 18:00	Concluding Remarks	
18:00 - 20:00	MC meeting	
21:00 - ...	Social dinner (Palma Aquarium)	