

## List of Posters

Poster Session: Thursday 28<sup>th</sup> April, 2016, 18:30 – 21:30

- P-1 Giampaolo Barone**, Riccardo Bonsignore, Angelo Spinello, Alessio Terenzi  
*First row transition metal-DNA binding*
- P-2 Antonio Bauzá**, Antonio Frontera  
*Long Range Effects in Anion- $\pi$  Interactions: Their Crucial Role in the Inhibition Mechanism of Mycobacterium Tuberculosis Malate Synthase*
- P-3 Stefanie Perfahl**, Marta Natile, Giovanni Natile, **Patrick J. Bednarski**  
*Photoactivation of Pt(IV)-anticancer complexes coupled to upconverting nanoparticles*
- P-4 Zsolt Bihari**, Valeria Ugone, Eugenio Garribba, Péter Buglyó  
*Complex formation between half-sandwich type  $[\eta^6\text{-}p\text{-cym}]\text{Ru}(\text{H}_2\text{O})_3]^{2+}$  and oligopeptides containing three histidine*
- P-5 Elodie Morel**, Florent Poyer, Laurence Vaslin, **Sophie Bombard**, Marie-Paule Teulade-Fichou  
*Photoactivable Platinum(II) terpyridin derivatives for G-Quadruplex DNA double anchoring*
- P-6 Sylvestre Bonnet**, Bianka Siewert, Vincent H.S. van Rixel, Eva J. van Rooden, Samantha L. Hopkins, Maxime Siegler  
*Chemical Swarming: an Amphiphilic Ruthenium Polypyridyl Complex Induces Cell Death via a Concentration-Dependent Mechanism*
- P-7 Catalina Cabot**, Berta Gallego, Soledad Martos, Juan Barceló, Charlotte Poschenrieder  
*Metals and organic compounds cooperate in self-defence of plants against fungal infections*
- P-8 Francisco J. Carmona**, Sara Rojas, Purificación Sánchez, Hélia Jeremias, Carlos Romão, Jorge A. R. Navarro, Carmen R. Maldonado, Elisa Barea  
*Encapsulation of a photoactive CO-releasing molecule in anionic inorganic porous frameworks*
- P-9 Ayşegül Gölcü**, Harun Muslu, Derya Kılıçaslan, **Mustafa Çeşme**, Özge Eren, Fatma Ataş, İbrahim Demirtaş  
*The new generation drug candidate molecules: spectral, electrochemical, DNA-binding and anticancer activity properties*
- P-10 Alicia Dominguez-Martin**, Zenghui Wang, Roland K.O. Sigel  
*Concentration and Temperature-dependent behaviour of the RNA BCL2 G-quadruplex*
- P-11 Marianthi Zampakou**, **Daniela Donghi**  
*Studying the effect of platination on RNA structure by NMR*
- P-12 Fabienne Dumoulin**  
*Targeting strategies and therapeutic effect combination to improve the efficacy of photosensitising tetrapyrroles*
- P-13 Marcelo Echeverri**, Amparo Alvarez-Valdés, Carmen Navarro-Ranninger, Adoración G. Quiroga  
*Using a biological phosphine reducing agent as a carrier ligand to activate trans-Pt complexes*
- P-14 Etelka Farkas**, Péter Buglyó, Zsuzsa Szabó, István Pócsi  
*Co(III) complexes of hydroxamate-based compounds that might interfere with iron-uptake of microorganisms*
- P-15 Yolanda Lagos**, Joana Palou-Mir, Antonio Bauzá, **Juan J. Fiol**, Ángel García-Raso, Àngel Terrón, Elies Molins, Miquel Barceló-Oliver, Antonio Frontera  
*New chloride-dimethylsulfoxide-iridium(III) complex with histaminium*
- P-16 Angelo Frei**, Samer Ursillo, Daniel Can, Roger Alberto  
*Multifunctional Cyclopentadiene Ligands for Theranostic  $\text{Re}^{99\text{m}}\text{Tc}$  Complexes*
- P-17 Meng Zhao**, David E. Egloff, Igor A. Oleinich, Richard Börner, Roland K. O. Sigel, **Eva Freisinger**  
*A DNA-templated approach for the sequence-specific labeling of adenine bases in single stranded regions of DNA or RNA*
- P-18 Antonio Frontera**, Antonio Bauzá  
*Tetrel bonding interactions in HEME containing proteins: A combined PDB survey and DFT calculations*
- P-19 Aïda Lancho**, Santiago Cañellas, Antonio Bauzá, **Ángel García-Raso**, Juan J. Fiol, Àngel Terrón, M. Barceló-Oliver, Elies Molins, Antonio Frontera

- P-20** Raji Raveendran, Jeremy Phillip Braude, Ezequiel Wexselblatt, Vojtech Novohradsky, Olga Stuchlikova, Viktor Brabec, Valentina Gandin, **Dan Gibson**  
*Pt(IV) derivatives of cisplatin and oxaliplatin with phenylbutyrate axial ligands are potent cytotoxic agents*
- P-21** Stefan Nikolić, Aleksandar Savić, Ivanka Ivanović, Sandra Arandelović, Siniša Radulović, Gilles Gasser, **Sanja Grgurić-Šipka**  
*Influence of co-ligands on the cytotoxicity of ruthenium-cymene complexes*
- P-22** **Meryem Hatip**, Mustafa O Guler  
*Supramolecular Self-Assembled Systems for Designing Chiral Peptide Amphiphile Nanostructures*
- P-23** Kushtrim Kryeziu, Walter Berger, **Petra Heffeter**  
*Therapeutic strategies against cancer cells with intrinsic and acquired resistance against arsenic trioxide*
- P-24** **Ümit İsci**, Marlena Beyreis, Nicole Tortik, Sevinc Z. Topal, Michael Glueck, Vefa Ahsen, Fabienne Dumoulin, Tobias Kiesslich, Kristjan Plaetzer  
*Tetramethylsulfonyl Zn phthalocyanine is a hydrophobic photosensitizer powerful against cancer cells and *S. aureus**
- P-25** **Hatice Kubra Kara**, Melis Sardan, Mustafa O. Guler  
*Noncovalent Functionalization of Superparamagnetic Iron Oxide Nanoparticles (SPIONs) with Bioactive Peptide Amphiphiles for MRI Imaging*
- P-26** Zoran Kokan, Anamaria Brozovic, Ivo Piantanida, Iztok Turel, **Srećko I. Kirin**  
*Organometallic Ruthenium complexes with triphenylphosphane amino acid bioconjugates: Catalytic and biological properties*
- P-27** **J. Christian Léon**, Anzhela Galstyan, Cristian A. Strassert, Jens Müller  
*Characterization of Silver Nanoclusters from a ds-DNA Template*
- P-28** **Jaroslav Malina**, Michael J. Hannon, Viktor Brabec  
*Recognition of HIV-1 TAR RNA by iron(II) supramolecular helicates and inhibition of the HIV-1 Tat-TAR interaction*
- P-29** **Tiziano Marzo**, Gianluca Bartoli, Serena Pillozzi, Viktor Brabec, Chiara Gabbiani, Adóracion G. Quiroga, Luigi Messori  
*cis-PtI<sub>2</sub>(NH<sub>3</sub>)<sub>2</sub> and cis-PtBr<sub>2</sub>(NH<sub>3</sub>)<sub>2</sub>: cisplatin analogues bearing different halide ligands with promising antineoplastic activity*
- P-30** **Lara Massai**, Tiziano Marzo, Elena Michelucci, Maria Serratrice, Maria A. Cinellu, Luigi Messori  
*New Synthesis and Mechanistic Studies of Metal compounds as Anticancer Agents*
- P-31** **Ana I. Matesanz**, Pilar Souza, Adoración G. Quiroga  
*DNA binding studies of cytotoxic platinum(II) thiosemicarbazones based on 3,5-diacetyl-1,2,4-triazol*
- P-32** **Luigi Messori**, Antonello Merlino  
*Binding of Platinum Drugs to Proteins: Structural and Functional Aspects*
- P-33** Alejandra Rodríguez, Javier García-Pardo, Patrick Gamez, Julia Lorenzo, **Virtudes Moreno**  
*Evaluation of the interaction of copper(II) and ruthenium(II) compounds with fibronectin and tubulin proteins, two potential chemotherapeutic targets*
- P-34** **Francisco Navas**, Tiziano Marzo, Luigi Messori, Adoración Gómez Quiroga  
*Studying the reactivity of Pt and Pd thiosemicarbazone complexes with different nuclearities versus targeting proteins*
- P-35** **Olga Novakova**, Michael J. Hannon, Viktor Brabec  
*M enantiomer of supramolecular iron(II) helicates can mimic chaperone function in nucleosome assembly in vitro*
- P-36** **Joana Palou-Mir**, Maria Olivia Schweiss, Miquel Barceló-Oliver  
*Riboswitch-based fluorescent sensor for cobalamin derivatives detection*
- P-37** **António Paulo**, Elisa Palma, Inês Rodrigues, Goretí M. Morais, Maria P.C. Campello, P. Raposinho, Filipa Mendes, Isabel C. Santos, Dulce Belo, Isabel Correia, Vítor Alves, Antero Abrunhosa, Isabel Santos, Sofia Gama  
*Biophysical Characterization and Antineoplastic Activity of New Bis(thiosemicarbazonato) Copper(II) Complexes*

- P-38 Andrea Pettenuzzo**, Rebecca Pigot, Luca Ronconi  
*Recent Developments of Gold(III)-Dithiocarbamate Glycoconjugates for the Targeted Metal-Based Anticancer Chemotherapy*
- P-39 Sylvain Clède**, Nicolas Delsuc, François Lambert, Christophe Sandt, Cécile Laugel, Arlette Baillet-Guffroy, **Clotilde Policar**  
*Metal-CO Probes for Imaging*
- P-40 Jitka Pracharova**, Teresa Saltarella, Tereza Radosova Muchova, Vojtech Novohradsky, Giovanni Natile, Viktor Brabec, Jana Kasparkova  
*New photosensitive platinum(II) 1-methyl-7-azaindole complexes with nuclease activity*
- P-41 Alexandra Kostelidou**, Stavros Kalogiannis, Franc Perdih, Iztok Turel, **George Psomas**  
*Copper(II)-gatifloxacin complexes: structure and bioactivity*
- P-42 Rafael Ramis**, Joaquín Ortega-Castro, Juan Frau  
*Cu<sup>2+</sup>- $\alpha$ -synuclein complexes: a DFT study of the relative stability of different binding sites*
- P-43 Mauro Ravera**, Elisabetta Gabano, Ilaria Zanellato, Federico Fregonese, Giorgio Pelosi, Domenico Osella  
*Synthesis and biological properties of a series of cisplatin-based Pt(IV)-acetylamido/carboxylato prodrugs*
- P-44 Raquel Gavara**, Elisabet Aguiló, Julia Schur, Jordi Llorca, Ingo Ott, **Laura Rodríguez**  
*Study of the biological activity of alkynyl gold(I) complexes that aggregate in water*
- P-45 José Ruiz**, Sergio A. Pérez, Concepción de Haro, Consuelo Vicente, Antonio Donaire, Ana Zamora, Delia Bautista  
*New Luminescent Acridine Thiourea Gold(I) Complexes as Anticancer Agents and Angiogenesis Inhibitors*
- P-46 Silvia Alonso de Castro**, Emmanuel Ruggiero, **Luca Salassa**  
*Upconverting Nanoparticles for Theranostic Applications*
- P-47 Nilab Feizy**, **Ulrich Schatzschneider**  
*Synthesis of neutral and cationic Pt- and Pd-azide complexes and their iClick reactions with electron-deficient alkynes*
- P-48 Alexander Schmidt**, Jutta Kösters, Jens Müller  
*Square planar Pt and Pd complexes for the stabilization of G-quadruplex DNA*
- P-49 Nataliia Shtemenko**, Svetlana Babiy, Alexander Golichenko, **Alexander Shtemenko**  
*New data about mechanism of biological activity of binuclear Rhenium(III) clusters*
- P-50 Daniel Siegmund**, François Lambert, Clotilde Policar, Nils Metzler-Nolte  
*Synthesis and initial biological evaluation of benzannulated Re(I)-NHC complexes*
- P-51 Stefan Stürup**, Celina S Dam, Belinda H Sørensen, Bente Gammelgaard, Ian H Lambert  
*Metal-based drugs in subcellular organelles*
- P-52 Sigridur G. Suman**, Johanna M. Gretarsdottir, Philipp Scharf  
*MoS Catalysts for Cyanide Detoxification*
- P-53 Angel Terrón**, Blas Moreno-Vachiano, Angel García-Raso, Juan J. Fiol-Arbós, Miquel Barceló-Oliver, Elies Molins  
*A silver(I) cytosine mediated base pair generates a DNA-like structure*
- P-54 Kübra Ucar**, Per Lincoln  
*DNA binding of a dibrominated light-switch complex studied with optical spectroscopy techniques*