

Monday - 31st July

09:00 -12:00	Registration		
14:00 -14:30	Opening Ceremony		
14:30 -15:30	<p align="center">Angela Casini RSC Dalton Transactions Lecture</p> <p align="center"><i>A Golden Future in Bioinorganic Chemistry: the Promise of Bioactive Gold Complexes as Probes and Therapeutic Agents</i> Chair: Helmut Sigel</p>		
15:30 -16:00	Coffee Break		
	<p align="center">Ilha Terceira Room Medicinal Inorganic Chemistry Chair Heloisa Beraldo</p>	<p align="center">Pico Room Metalloproteins and Metalloenzymes Chair Gerhard Schenk</p>	<p align="center">São Miguel Room Bioinspired Coordination and Organometallic Chemistry Chair Ebbe Nordlander</p>
16:00–16:30	<p align="center">Trevor Hambley <i>Targeting Strategies for Metal-Based Anticancer Agents</i></p>	<p align="center">Nils Metzler-Nolte <i>Metal-Based Antibiotic Drug Candidates: How New Structures Lead Towards New Modes of Action</i></p>	<p align="center">Ivan Castillo Perez <i>Imidazole- and benzimidazole-based Cu complexes inspired by LPMOs degrade oligosaccharides</i></p>
16:30-16:45	<p align="center">Limei Zhang <i>A Unique Family of Iron-Sulfur Regulators in Redox Stress Response in Mycobacteria</i></p>	<p align="center">Peter A. Lay <i>Chemical Warfare in the Immune System Response to Cryptococcus Neoformans</i></p>	<p align="center">Manfredo Hörner Macrocyclic bis-Triazenes – Templates for Biological Activity</p>
16:45-17:05	<p align="center">Victor M. Deflon <i>Topoisomerase IB inhibitors palladium(II) complexes as potential anti ovarian cancer metallodrugs</i></p>	<p align="center">Bilha Fischer <i>A Quest for Biocompatible Therapeutic Metal-ion Chelators: Nucleoside 5'-thiophosphate and Bis-(thio)phosphate Analogues</i></p>	<p align="center">Catherine Belle <i>Mixed-valent dicopper(II,III) complexes as models for potential intermediates of multicopper oxygenase</i></p>
17:05-17:35	<p align="center">Maria Contel <i>Cancer Chemotherapeutics: Gold(I)-N-heterocyclic Carbene Motifs in Heterometallic Complexes and Antibody Drug Conjugates</i></p>	<p align="center">Wilfred R. Hagen <i>The workings of ferritin is in the eye of the beholder</i></p>	<p align="center">Kenneth D. Karlin <i>New Synthetic Heme-O₂-Copper Coordination Complex Assemblies and Insights into the O-O Reductive Cleavage Process</i></p>
17:35–18:05	<p align="center">Claudia Turro <i>Dual Action Complexes that Target Cancer: Drug Photorelease and Singlet Oxygen Production</i></p>	<p align="center">Paolo Carloni <i>Multiscale simulation-based structural predictions of metalloproteins of pharmacological relevance</i></p>	<p align="center">Karl K. Andersson <i>Ribonucleotide Reductase, and a comparison of the dimanganese active sites of manganese catalase</i></p>
18:05-18:20	<p align="center">Sylvestre Bonnet <i>Green Light-induced apoptosis in cancer cells by a tetrapyrrolyl ruthenium prodrug offering two trans coordination sites</i></p>	<p align="center">John H. Dawson <i>Neutral Cysteine Thiol can be a Well-Behaved Ligand to Ferrous Heme Iron</i></p>	<p align="center">Raphael Enoque Ferraz de Paiva <i>S-arylation: A unique zinc finger inhibition mechanism observed for Au(2-benzylpyridine)Cl₂</i></p>
18:20-18:25			
18:25-18:35			
19:00-20:30	Welcome Party		

Tuesday - 1st August

<p style="text-align: center;">Shinobu Itoh <i>Copper-Dioxygen Chemistry. From Modeling Studies to Enzymatic Reactions</i> Chair: Kenneth K Karlin</p>			
09:00 -10:00			
10:00-10:30	Coffee Break		
	Ilha Terceira Room Medicinal Inorganic Chemistry Chair João da Costa Pessoa	Pico Room Metalloproteins and Metalloenzymes Chair Alison Butler	São Miguel Room Bioinspired Coordination and Organometallic Chemistry Chair Marciela Scarpellini
10:30-11:00	Debbie Crans <i>Vanadium compounds as phosphatase inhibitors and used in oncolytic virotherapy</i>	Edward I. Solomon <i>Geometric and Electronic Structural Contributions to Fe/O₂ Reactivity</i>	Hugh H. Harris <i>XFM and XAS combined yield insight on mammalian selenium biochemistry</i>
11:00-11:15	Heloisa Beraldo <i>Silver(I) complexes with 2-acetylpyridine- and 2-benzoylpyridine- derived hydrazones: cytotoxicity against metastatic melanoma cells</i>	George Edward Cutsail III <i>Determining the Critical Diiron Distance of Q within Soluble Methane Monooxygenase</i>	Galia Maayan <i>A Biomimetic Approach for the Design of Manganese and Copper Based Water Oxidation Electrocatalysts</i>
11:15-11:35	Edit Tshuva <i>Anticancer Titans: Potent, Resilient and Safe antitumor Agents based on Ti(IV) phenolato Complexes</i>	Claudia Andreini <i>Bioinformatics resources to study metals in biology</i>	Christine Chow <i>Amino acid-linked platinum(II) analogues have altered RNA adduct profiles compared to cisplatin</i>
11:35-12:05	Celine J. Marmion <i>Rational design and development of metallodrug chemotypes for therapeutic exploitation</i>	Anne-Kathrin Duhme-Klair <i>Siderophores as anchors in artificial metalloenzymes</i>	David P. Giedroc <i>Mechanisms of Zinc Metallostasis in Bacterial Pathogens</i>
12:05-14:00	LUNCH Ondas Restaurant		
	Ilha Terceira Room Medicinal Inorganic Chemistry Chair Katherine Franz	Pico Room Metalloproteins and Metalloenzymes Chair Claudia Blindauer	São Miguel Room Nanotechnology in Bioinorganic Chemistry Chair Peter Comba
14:00 -14:30	Susan Jane Berners-Price <i>NMR Studies Probing Membrane Interactions of Polynuclear Platinum Compounds: Phospholipids and Heparan Sulfate Proteoglycans</i>	Eva Freisinger <i>Metallothioneins recruiting additional players: The influence of histidine</i>	Henrique Toma <i>A nanotechnological approach to bioinorganic chemistry</i>
14:30 -14:45	Adolfo Horn Jr <i>Increasing the anticancer activity of copper(II)-salan complex by attaching naphthyl groups to the ligand structure</i>	Gabriele Meloni <i>Novel insights into metal selectivity and reactivity in human metallothionein-3</i>	Ana Isabel Antunes Tomaz Diniz <i>On the mechanism of action of new active ruthenium anticancer compounds: a model membrane biophysics approach</i>

14:45 -15:00	Diego Montagner <i>Estrogens-functionalized metal complexes: selective anticancer and antibacterial activity</i>	Marcos Nicolás Morgada <i>Spectroscopic characterization of the soluble electron transfer domains of <i>T. Thermophilus caa₃ COX</i></i>	Justin Wilson <i>Expanded Macrocycles for the Chelation of Radionuclides for Targeted Alpha Therapy</i>
15:00 -15:15	Arthur Tinoco <i>Cytotoxic titanium(IV) compounds prepared with iron chelators alter the intracellular labile iron pool</i>	Thierry Tron <i>Catalysts based on surface functionalized laccases</i>	Camila Fontes Neves da Silva <i>Design of new trinuclear ruthenium clusters with ortho-metallated ligands: physical-chemical characterization and promising antitumor activity</i>
15:15 -15:30	André Amorim <i>The use of conjugated polypyridyl ligands as a design strategy to increase the CO release activity of manganese photoCORMs</i>	María Agustina Rossi <i>Inhibition of NDM-1 carbapenemase by a novel class of thiazolidines</i>	Simon Drew <i>The amino terminus of the prion protein does not compete with the octarepeat domain for divalent copper</i>
15:30 -15:50	Peggy L Carver <i>Divalent Metal Ions In Hospitalized and Ambulatory Patients: the Emerging Roles of Iron, Copper, and Zinc</i>	Isabel de Moura <i>The Terminal Enzyme of Denitrification (nitrous oxide reductase-N₂OR)</i>	Koiti Araki <i>Bioconjugated Hybrid Nanoparticles for Application as Contrast Agents for MRI and PET</i>
15:50-16:10	Giselle Cerchiaro <i>Bioessential metals in neurodegeneration and oxidative stress</i>	Sandra R. Signorella <i>Tuning the oxidation states of diMn mimics of manganese catalases</i>	Izaura C. N. Diógenes <i>Surface Inorganic Chemistry: adsorption of sulfur containing molecules on metallic substrates and Fe₃O₄@Au core-shell nanoparticles</i>
16:10 – 16:40	Gonçalo Bernardes <i>Immunomodulation by targeted delivery of carbon monoxide using artificial metalloproteins</i>	Mercè Capdevila <i>Metallothioneins: merging chemistry with biology</i>	Liane Rossi <i>Design of Biologically Inspired Copper and Manganese-Porphyrin Catalysts Supported on Magnetic Nanoparticles</i>
16:40 -17:10	Coffee Break		
17:10 -18:10	SBIC AWARD To be announced Chair: Roland Sigel		
18:10 -19:40	POSTER SESSION		

Wednesday 2nd August

09:00 -10:00	Vincent Pecoraro RSC Textbooks Lecture <i>Metalloprotein Design as Synthetic Biology: Steps Towards Multinuclear Redox Catalysts</i> Chair: Willian Tolman		
10:00 -10:30	Coffee Break		
	Ilha Terceira Room Medicinal Inorganic Chemistry Chair Ivan Castillo Perez	Pico Room Metalloproteins and Metalloenzymes Chair Christelle Hureau	São Miguel Room Bioinspired Coordination and Organometallic Chemistry Chair Debbie Crans
10:30 -11:00	Mauricio Baptista <i>Interaction of light with living organisms: the whole of inorganic and polymeric materials</i>	Alison Butler <i>Catechols and Cationic Amines in Wet Aqueous Adhesion: from Mussels to Microbes</i>	Paul Walton <i>Lytic Polysaccharide Monooxygenases: A New Face in Biomass Breakdown</i>
11:00 -11:15	Maria Isabel Rodrigues Correia <i>Cytotoxic activity of phenanthroline salicylaldimine zinc(II) complexes</i>	Antônio S. Mangrich <i>Bioinorganic chemistry in Brazilian soils</i>	Chunying Duan <i>Enzymatic Simulation of Metal-organic Architectures</i>
11:15 -11:30	Roxanne Openshaw <i>Exchangeable haem levels are equal to intra-cellular drug amounts for β-haematin inhibiting antimalarials and is present as a Fe(III)PPIX-drug complex</i>	Saburo Neya <i>Utility of heme analogues to design the heme-globin interactions in myoglobin</i>	Ariane Jalila Simaan <i>Modeling copper-containing monooxygenases active sites and reaction intermediate</i>
11:30 -11:50	Maribel Navarro Costa <i>Potential antimalarial metallodrugs and their action on identified parasitic targets</i>	Joshua Telser <i>Advanced Paramagnetic Resonance of Iron-Sulfur Proteins and Enzymes</i>	João da Costa Pessoa <i>Evaluation and comparison of Cu-, V-, Zn and Fe-complexes containing bipy or phen as ligands as anticancer agents</i>
11:50 -12:20	Katherine Franz <i>Chemical Approaches for Manipulating Microbial Metals</i>	Claudia Blindauer <i>Metal quotas and zinc homeostasis in marine cyanobacteria</i>	Peter Comba <i>Bispidine-metal-oxo complexes - new reactions and new reaction channels</i>
FREE AFTERNOON – OPTIONAL TRIPS			

Thursday - 3rd August

09:00 -10:00	Christian Hartinger – SBIC Award 2016 <i>Towards Rational Metallodrug Development: From Bioanalytical Studies to Novel Pharmacophores</i> Chair: Michael Hannon		
10:00 -10:30	Coffee Break		
	Ilha Terceira Room Medicinal Inorganic Chemistry Chair Liliana Quintanar	Pico Room Metalloproteins and Matalloenzymes Chair Amy Rosenzweig	São Miguel Room Bioinspired Coordination and Organometallic Chemistry Chair John Dawson
10:30 -11:00	Dinorah Gambino <i>Designing prospective antiparasitic agents based on bioactive ligands and selected organometallic cores</i>	Gerhard Schenk <i>Ketol-acid-reductoisomerase, an emerging target for herbicides and novel antimicrobial agents</i>	Willian Tolman <i>Copper(III) Complexes as Models of Oxidizing Intermediates in Enzymes</i>
11:00 -11:15	Anil Kumar Gorle <i>Binding of antiangiogenic platinum with Glycosaminoglycans (GAGs): Interaction and cleavage inhibition studies</i>	Jiangyun Wang <i>Metalloprotein design using genetic code expansion</i>	Arun Kumar Inst. – Country <i>Targeted ¹O₂ mediated PDT in visible light via BODIPY-appended oxovanadium(IV) complex at mitochondrial DNA crosslinking site</i>
11:15 -11:35	Elene C. Pereira-Maia <i>Antitumoral and antimicrobial properties of metal compounds with antibiotic drugs</i>	Yraima Moura Lopes Cordeiro <i>Interaction of the prion protein with Cu(II) and nucleic acids: a history of three tales</i>	Norah Barba-behrens <i>Role of non-covalent interactions on the biological activity of coordination compounds with imidazole derivatives</i>
11:35 -12:05	Valentina Gandin <i>Copper complexes as antitumor agentes</i>	Magdalena Rowinska-Zyrek <i>Metal homeostasis in bacteria and fungi – interesting chemistry and possible targets for novel therapies</i>	Takashi Hayashi <i>Hemoproteins Reconstituted with Organometallic Complexes as an Artificial Cofactor</i>
12:05 -14:00	LUNCH Ondas Restaurant		
	Ilha Terceira Room Medicinal Inorganic Chemistry Chair Susan Jane Berners-Price	Pico Room Metalloproteins and Matalloenzymes Chair Eva Freisinger	São Miguel Room Nucleic Acids and Metals Chair Zijian Guo
14:00-14:30		Christelle Hureau <i>Copper, Zinc and amyloid-β peptide: towards new therapeutic proof-of-concepts</i>	Roland Sigel <i>Catalytic RNAs in humans – the mammalian CPEB3 ribozyme</i>
14:30-14:45	Sarah Spreckelmeyer <i>H₄neunpa-trastuzumab: Evaluation of a Novel Bifunctional Chelator for In-111 Radiopharmaceuticals and ImmunoSPECT Imaging</i>	Sofia Rocha Pauleta <i>The Orange Protein Complex - Novel Fe-S proteins from sulfate reducing bacteria</i>	Helmut Sigel <i>Comparison of the Properties of Nucleotide-Metal Ion Complexes Including Those of the Toxic Lead(II)</i>

14:45-15:00	Carlos F. G. C. Gerales <i>Simultaneous contrast agent and drug delivery in colon-targeted MRI using pH sensitive electrospun theranostic fibers</i>	Frédéric Avenier <i>Artificial Flavo-Reductase for the Catalytic Activation of Dioxygen at Metal Centers in Water</i>	Claudia Pereira <i>Synthesis and Characterization of a dinuclear Fe^{III}Zn^{II} complex as a model for purple acid phosphatases</i>
15:00-15:15	Maria M. C. Almiro E Castro <i>A Vanadium compound with multiple therapeutic effects: is it just a promising insulin-mimetic or will it achieve pharmaceutical use?</i>	Daiana Capdevila <i>How nature tunes dynamics to drive allosteric inhibition vs. activation: AdcR, a Zn regulator of <i>Streptococcus pneumoniae</i></i>	Naoki Shigi <i>Characterization of the biosynthesis of 2-thiouridine in transfer RNA catalyzed by an iron-sulfur protein</i>
15:15-15:30	Luiz G. de França Lopes <i>Development of new nitrosyl ruthenium compounds with antioxidant and vasodilator action</i>	Constantinos Varotsis <i>Resonance Raman of ba3 oxidase from <i>Thermus thermophilus</i>: Detection of a ferryl-oxo species and a low to high temperature transition</i>	Zenghui Wang <i>Dynamic insight into the interaction between two fluorescent platinum(II) complexes and a BCL-2 RNA Gquadruplex</i>
15:30-15:50	Christiane F. Horn <i>Development, relevant anti-toxoplasma activity and insights on the mechanism of action promoted by coordination compounds</i>	Olga Iranzo <i>A bioinspired peptidic approach to develop copper catalysts for oxidation reactions</i>	Hernan Terenzi <i>Artificial chemical nucleases: towards increasing activity and specificity</i>
15:50-16:10	Adoracion Gomez Quiroga <i>The use of imaging, chemotherapeutic and/or photosensitizing properties in the design of emerging metalodrugs</i>	Martin Högbom <i>Toward geometric structures of high-valent metal-oxygen intermediates in di-metal protein cofactors by XFEL crystallography</i>	Salah Massoud <i>Development of Efficient Artificial Nucleases for DNA Cleavage Based Pyridyl Tripod Cobalt(II) Complexes</i>
16:10-16:40	Timothy Egan <i>Targeting Hemozoin Formation in the Digestive Vacuole of the Malaria Parasite</i>	Joan Broderick <i>Mechanism and Control in Radical SAM Enzymes</i>	Michael Hannon <i>Metallo-supramolecular cylinders that bind unusual DNA and RNA structures: from DNA nanoscience to bio-activity</i>
16:40-17:10	Coffee Break		
17:10 – 18:10	Nicholas Farrell <i>Platinum Metal Complexes in Health and Medicine</i> Chair: Angela Casini		

Friday - 4th August

<p>09:00-10:00</p>	<p style="text-align: center;">Ohara Augusto <i>Radicals and oxidants: a close connection of bioinorganic chemistry with redox biology</i> Chair: Ana Maria da Costa Ferreira</p>		
<p>10:00-10:30</p>	<p style="text-align: center;">Coffee Break</p>		
	<p style="text-align: center;">Ilha Terceira Room Medicinal Inorganic Chemistry</p> <p style="text-align: center;">Chair Claudia Turro</p>	<p style="text-align: center;">Pico Room Bioenergetics, Electron Transfer and Reactive Species</p> <p style="text-align: center;">Chair Edward I. Solomon</p>	<p style="text-align: center;">São Miguel Room Bioinspired Coordination and Organometallic Chemistry</p> <p style="text-align: center;">Chair David Giedroc</p>
<p>10:30 -11:00</p>	<p style="text-align: center;">Liliana Quintanar Vera</p> <p style="text-align: center;"><i>Copper and protein aggregation: From amyloids in Alzheimer's and diabetes to non-amyloids in cataracts disease</i></p>	<p style="text-align: center;">Dan Meyerstein</p> <p style="text-align: center;"><i>Fenton Like Reactions Proceed Via a Variety of Mechanisms</i></p>	<p style="text-align: center;">Ebbe Nordlander</p> <p style="text-align: center;"><i>High valent iron oxo complexes as catalysts for oxidation of alkanes and alkenes</i></p>
<p>11:00-11:15</p>	<p style="text-align: center;">Mathieu Soetens</p> <p style="text-align: center;"><i>Biocompatible catalysis as a powerful tool for uncaging probes in cellular medium</i></p>	<p style="text-align: center;">Yang Jiao</p> <p style="text-align: center;"><i>Fluorescent Imaging Targeted to Tyrosine kinase and Early Diagnosis of Cancer</i></p>	<p style="text-align: center;">Anders Emanuel Thapper</p> <p style="text-align: center;"><i>Water oxidation catalyzed by mononuclear iron and cobalt polypyridine complexes</i></p>
<p>11:15-11:35</p>	<p style="text-align: center;">Sigrður Suman</p> <p style="text-align: center;"><i>Mitigating Cyanide Poisoning</i></p>	<p style="text-align: center;">Davi Back</p> <p style="text-align: center;"><i>Synthesis, characterization and evaluation of the peroxidase activity of new cobalt complexes with ligands derived from pyridoxal</i></p>	<p style="text-align: center;">Elzbieta Gumienna-Kontecka</p> <p style="text-align: center;"><i>Efficient Stabilization of High-valent Iron and Manganese in Hexahydrate Macrocyclic Cage Complexes</i></p>
<p>11:35 -12:05</p>	<p style="text-align: center;">Lena Ruiz-Azuara</p> <p style="text-align: center;"><i>Study of mixed chelate coordination compounds (Casiopeínas®) with DNA among some of the several targets of these type of compounds</i></p>	<p style="text-align: center;">Daniel H. Murgida</p> <p style="text-align: center;"><i>Fine tuning of entropic, enthalpic and kinetic redox parameters in copper metalloproteins</i></p>	<p style="text-align: center;">Lawrence Que Jr</p> <p style="text-align: center;"><i>The Amazing Nonheme High-Valent Iron-Oxo Landscape</i></p>
<p>12:05 -14:00</p>	<p style="text-align: center;">LUNCH Ondas Restaurant</p>		
	<p style="text-align: center;">Ilha Terceira Room Medicinal Inorganic Chemistry</p> <p style="text-align: center;">Chair Joan Broderick</p>	<p style="text-align: center;">Pico Room Metalloproteins and Metalloenzymes</p> <p style="text-align: center;">Chair Claudia Blindauer</p>	<p style="text-align: center;">São Miguel Room Bioinspired Coordination and Organometallic Chemistry</p> <p style="text-align: center;">Chair Hugh Harris</p>
<p>14:00-14:30</p>		<p style="text-align: center;">Amy Rosenzweig RSC Metallomics Lecture</p> <p style="text-align: center;"><i>Metalloenzymes and methanobactin biosynthesis</i></p>	<p style="text-align: center;">Andrew Borovik</p> <p style="text-align: center;"><i>Metal-oxido and Metal-hydroxido Complexes in Biology</i></p>

14:30–15:00	David Wink Jr <i>The Oncogenic properties of the Heme Protein inducible Nitric Oxide Synthase and COX2 in ER(-) Breast Cancer</i>	José Moura <i>Template Protein-Assisted Synthesis of a Unique [Mo-Cu] Cluster</i>	Anthony Wedd <i>Copper ATPase CopA from E. coli. Quantitative Correlation between ATPase Activity and Vectorial Copper Transport</i>
15:00–15:30	Thomas R. Ward <i>Endowing Organometallic Catalysis with a Genetic Memory</i>	Stefano Ciurli <i>Urease structure, mechanism, inhibition, and assembly: a search for the ultimate inhibitor</i>	Floriana Tuna <i>Using EPR for the study of mimetic catalytic reactions and model compounds</i>
15:30– 16:00	Zijian Guo <i>Functionalization of Platinum Anticancer Complexes</i>	Michael Green <i>Selenocysteine-Ligated Cytochrome P450 Compound I: A Direct Link Between Electron Donation and Reactivity</i>	Mak Saito <i>A Comparison of Adaptive Responses to Metal and Nutrient Scarcity in the Between Atlantic and Pacific Oceanic Regions</i>
16:00–16:30	Coffee Break		
16:30 -17:30	Chris Orvig RSC Metallobiology Book Series Lecture <i>Inorganic Radiopharmaceutical Chemistry</i> Chair: Lawrence Que Jr		
17:30 -18:30	Closing Ceremony		
19:30 -24:00	BANQUET		