

# COMPLETE TABLE PROGRAM

Sunday

14:30 – 18:30	Registration <i>Hall</i>
19:00 – 20:15	Dinner
20:15 – 20:45	<b>Opening Ceremony</b> <i>Cineteatro Tiradentes</i>
20:45 – 21:45	P1 - <b>Hong-Cai Zhou</b> (Texas A&M University, USA) Symmetry Guided Syntheses of Zr-MOFs <i>Cineteatro Tiradentes</i>
21:45 – 23:45	Cocktail

## MONDAY 11/08

08:30 – 09:30	P2 - <b>Vincent L. Pecoraro</b> (University of Michigan, USA) Designing Hydrolytic and Redox Active Metalloenzymes <i>Cineteatro Tiradentes</i>		
09:35 – 10:15	L1 - <b>Nagao Kobayashi</b> (Tohoku University, Japan) Synthesis and Properties of Superazaporphyrins, Rectangular Phthalocyanines, and Chiral and/or Low-Symmetry Subphthalocyanines <i>Cineteatro Tiradentes</i>	L2 - <b>Francisco Lloret Pastor</b> (Universidad de Valencia, Spain) Oxamato Complexes: Ligand Design for Multifunctional Magnetic Compounds <i>Salão Minas Gerais</i>	
10:20 – 10:40	Coffee break		
10:45 – 11:05	OP1 – <b>Carolina Gonçalves Oliveira</b> (Universidade de São Paulo, Brazil) Cobalt(III) Thiosemicarbazone Complexes with anti-Mycobacterium tuberculosis activity <i>Cineteatro Tiradentes</i>	OP2 – <b>Walter Mendes de Azevedo</b> (Universidade Federal de Pernambuco, Brazil) Laser ablation technique a straightforward technique for Metal organic frameworks preparation <i>Salão Minas Gerais</i>	OP3 – <b>Jack S. Rowbotham</b> (Durham University, UK) Opening the egg-box: the coordination of s-block metal ions to seaweed-derived sugars <i>Salão Ouro Preto</i>
11:10 – 11:50	L3 - <b>Peggy L. Carver</b> (University of Michigan, USA) Trace Metal Ions and the Development of Infectious Diseases in Acutely Ill Hospitalized Patients <i>Cineteatro Tiradentes</i>		L4 - <b>Martin Peter Attfield</b> (The University of Manchester, UK) Crystal Growth, Morphological Control and Materials Discovery of Metal-Organic Frameworks Revealed by Atomic Force Microscopy <i>Salão Minas Gerais</i>
11:55 – 12:35	L5 - <b>Ana Maria C. Ferreira</b> (Universidade de São Paulo, Brazil) Looking for Cellular Targets of Metallodrugs <i>Cineteatro Tiradentes</i>		L6 - <b>Ignacio Vargas-Baca</b> (McMaster University, Canada) Chalcogen-Centered Supramolecular Chemistry: Supramolecular Structures and Functional Materials <i>Salão Minas Gerais</i>
12:40 – 14:30	Lunch		
14:30 – 15:30	P3 - <b>Ademir Neves</b> (Universidade Federal de Santa Catarina, Brazil) The Role of Secondary Effects on the Catalytic Activity of Metallohydrolases Biomimetics <i>Cineteatro Tiradentes</i>		
15:35 – 16:15	L7 - <b>Henryk Kozłowski</b> (University of Wrocław, Poland) Inorganic Chemistry Approach To Metal Related Pathologies Including Neurodegenerative Diseases And Helicobacter Pylori Based Stomach Disorders <i>Cineteatro Tiradentes</i>	L8 - <b>James W. Walton</b> (Durham University, UK) Catalytic SNAr of Aryl Chlorides via a Ru(II) $\eta^6$ -Arene Mechanism <i>Salão Minas Gerais</i>	
16:20 – 16:40	Coffee break		
16:45 – 17:25	L9 - <b>Marius Reglier</b> (Aix Marseille Université, France) Inhibition of Tyrosinase, a coordination chemistry approach <i>Cineteatro Tiradentes</i>	L10 - <b>Ulrich Abram</b> (Freie Universität Berlin, Germany) Oligonuclear Complexes as Building Blocks for Supramolecular Assemblies <i>Salão Minas Gerais</i>	
17:30 – 18:10	L11 - <b>Alessandro Desideri</b> (University of Roma Tor Vergata, Roma) Can metal compounds target human topoisomerase IB? <i>Cineteatro Tiradentes</i>		L12 - <b>Héctor D. Abruña</b> (Cornell University, USA) Nanostructured Inorganic Materials in Energy Generation and Storage: Fuel Cells and Batteries <i>Salão Minas Gerais</i>
19:00 – 20:30	Poster Session 1 (001-106)		
20:30	Dinner		

## TUESDAY 12/08

08:30 – 09:30	P4 - <b>Miguel Julve</b> (Universidad de Valencia, Spain) Oxalato- and Cyanido-containing Building Blocks for the Rational Design of Coordination Polymers <i>Cineteatro Tiradentes</i>		
09:35 – 10:15	L13 - <b>Peter Sadler</b> (University of Warwick, UK) Precious Metal Anticancer Complexes with New Mechanisms of Action <i>Cineteatro Tiradentes</i>	L14 - <b>Masahiro Yamashita</b> (Tohoku University, Japan) Frontier of Quantum Molecular Spintronics Based on Single-Molecule Magnets <i>Salão Minas Gerais</i>	
10:20 – 10:40	Coffee break		
10:45 – 11:05	OP4 – <b>Raphael Enoque Ferraz de Paiva</b> (Universidade de Campinas, Brazil) Platinum(II)-nimesulide: anticancer evaluation, mechanistic insights and metabolomics in NG97 cell line <i>Cineteatro Tiradentes</i>	OP5 – <b>Vladimir Lavayen</b> (Universidade Federal do Rio Grande do Sul, Brazil) Comparative Study of Iron Nanoparticles with Infrared Spectroscopy and X-ray Diffraction <i>Salão Minas Gerais</i>	OP6 – <b>Fernanda Gomes de Mendonça</b> (Universidade Federal de Minas Gerais, Brazil) Iron Recuperation from Mining Waste using Acid Extract from Bio-oil <i>Salão Ouro Preto</i>
11:10 – 11:50	L15 - <b>Sofia Nikolaou</b> (FFCL – USP – Ribeirão Preto, Brazil) Investigation of some ruthenium carboxylate for controlled CO and NO release aiming biological applications <i>Cineteatro Tiradentes</i>	L16 - <b>Aldo José Gorgatti Zarbin</b> (Universidade Federal do Paraná, Brazil) Thin and transparent films of multifunctional materials based on carbon nanotubes/Prussian blue nanocomposites <i>Salão Minas Gerais</i>	
11:55 – 12:35	L17 - <b>Trevor Hambley</b> (The University of Sydney, Australia) The Role of Metal-Based Anticancer Drugs in the Era of Molecularly Targeted Agents <i>Cineteatro Tiradentes</i>	L18 - <b>Oswaldo Antonio Serra &amp; Paulo Cesar de Sousa Filho</b> (Universidade de São Paulo, Brazil) Sponsor: HORIBA Recent developments on luminescent compounds of rare earths and their applications <i>Salão Minas Gerais</i>	
12:40 – 14:30	Lunch		
14:30 – 15:30	P5 - <b>Carmen Claver</b> (Universitat Rovira i Virgili, Spain) Catalysis for Sustainable Chemistry - Homogeneous immobilized catalysts and nanocatalysts <i>Cineteatro Tiradentes</i>		
15:35 – 16:15	L19 - <b>Júlio Santos Rebouças</b> (Universidade Federal da Paraíba, Brazil) Recent advances on metalloporphyrin-based redox therapeutics <i>Cineteatro Tiradentes</i>	L20 - <b>Anna F. A. Peacock</b> (University of Birmingham, UK) Lanthanide coiled coils – A new class of imaging agent <i>Salão Minas Gerais</i>	
16:20 – 16:40	Coffee break		
16:40 – 17:10	WL1- <b>Alfredo Mayall Simas</b> (Universidade Federal de Pernambuco, Brazil) Luminescence of Europium Complexes: New insights and Intensification Strategies <i>Cineteatro Tiradentes</i>		
17:10 – 17:40	WL2- <b>Richard I. Walton</b> (University of Warwick, UK) New Cerium Oxide Materials for Catalysis from Hydrothermal Chemistry <i>Cineteatro Tiradentes</i>		
17:40 – 18:10	WL3- <b>Sidney José Lima Ribeiro</b> (Universidade Estadual Paulista Júlio Mesquita Filho, Brazil) Infrared to visible up-conversion and UV-visible to infrared down-conversion in lanthanides containing materials <i>Cineteatro Tiradentes</i>		
18:10 – 18:30	Coffee break		
18:30 – 19:20	Roundtable – Chair: <b>Oswaldo Antônio Serra</b> <i>Cineteatro Tiradentes</i>		
19:30 – 21:00	Poster Session 2 (107-208)		
21:00	Dinner		

## WEDNESDAY 13/08

08:30 – 09:30	P6 - <b>Oscar Navarro</b> (University of Sussex, UK) Synthesis of (N-Heterocyclic Carbene)-bearing palladates from (N-Heterocyclic Carbene)Pd(TEA)Cl <sub>2</sub> Complexes <i>Cineteatro Tiradentes</i>		
09:35 – 10:15	L21 - <b>Paul Bernhardt</b> (University of Queensland, Australia) Molybdenum Enzyme Electrocatalysis <i>Cineteatro Tiradentes</i>	L22 - <b>Marius Andruh</b> (University of Bucharest, Romania) Heterometallic d-f Clusters and Heterotriscipin complexes. Synthetic strategies, magnetic and photophysical properties <i>Salão Minas Gerais</i>	
10:20 – 10:40	Coffee break		
10:45 – 11:05	OP7 – <b>Aline Farias Moreira da Silva</b> (Universidade Federal Fluminense, Brazil) Synthesis, Characterization and Reactivity Assays of Novel Cobalt(III) Complexes with Naphthoquinones as Prototypes of Bioreductive Prodrugs <i>Cineteatro Tiradentes</i>	OP8 – <b>Joshua Telser</b> (Roosevelt University, USA) Sinking the Titanic (Ion): Spectroscopic, Computational, and Reactivity Studies of Low Oxidation State Titanium Coordination Complexes <i>Salão Minas Gerais</i>	OP9 – <b>Adolfo Ignacio Barros Romo</b> (Universidade Federal do Ceará, Brazil) Copper Complex with Clip-Phen Type Ligand: Adsorption on Gold and Glass Carbon Electrodes <i>Salão Ouro Preto</i>
11:10 – 11:30	OP10 – <b>Lucía Otero</b> (UdelaR, Uruguay) Metal complexation of bisphosphonates in the search of an enhanced anti T.cruzi activity and additional mechanisms of action <i>Cineteatro Tiradentes</i>	OP11 – <b>Miguel Alexandre Novak</b> (Universidade Federal do Rio de Janeiro, Brazil) Magnetic switching of Co-NIT single chain magnets <i>Salão Minas Gerais</i>	OP12 – <b>Byron J. Truscott</b> (University of St Andrews, UK) Bond Activation and CO <sub>2</sub> Fixation Using Iridium(I) Hydroxides <i>Salão Ouro Preto</i>
11:35 – 11:55	OP13 – <b>Liane M. Rossi</b> (Universidade de São Paulo, Brazil) Gold nanoparticles supported on basic ferrites/oxides materials for the selective oxidation of alcohols <i>Cineteatro Tiradentes</i>	OP14 – <b>Hélio Anderson Duarte</b> (Universidade Federal de Minas Gerais, Brazil) Clay Mineral Nanotubes With Well Defined Structure <i>Salão Minas Gerais</i>	OP15 – <b>Julia Torres</b> (Universidad de la República, Uruguay) Supramolecular assemblies of lanthanide complexes with iminodiacetic acid derivatives <i>Salão Ouro Preto</i>
12:00 – 12:40	L23 - <b>Seth M. Cohen</b> (University of California, USA) Developing and characterizing metal-binding pharmacophores for metalloprotein inhibitor development <i>Cineteatro Tiradentes</i>	L24 - <b>Andrew Kellett</b> (Dublin City University, Ireland) Metallodrugs as Inducers and Inhibitors of Chemical Nuclease Activity <i>Salão Minas Gerais</i>	
12:40 – 17:30	Lunch and Free		
17:30-18:30	P7 - <b>Valery Fokin</b> (The Scripps Research Institute, USA) Complexity in Catalysis: from Adaptable Catalysts to Useful Function <i>Cineteatro Tiradentes</i>		
18:30-19:15	L25 - <b>Gary Schenk</b> (The University of Queensland, Australia) Reaction Mechanisms of Binuclear Metallohydrolases: from Antibiotic Degradation to Bioremediation <i>Cineteatro Tiradentes</i>	L26 - <b>David P. Mills</b> (The University of Manchester, UK) Low Oxidation State f-Element Chemistry: True Chemical Frontiers <i>Salão Minas Gerais</i>	
21:00	Dinner & Party		

## THURSDAY 14/08

08:30 – 09:10	L27 - <b>Ebbe Nordlander</b> (Lund University, Sweden) Mono- and dinuclear iron complexes as catalysts/catalyst precursors for the oxidation of alkanes and alkenes <i>Cineteatro Tiradentes</i>	L28 - <b>Jáisa Fernandes Soares</b> (Universidade Federal do Paraná, Brazil) Non-oxovanadium complexes: synthetic, structural, spectroscopic and magnetic studies Non-oxo vanadium complexes: synthetic, structural, spectroscopic and magnetic studies <i>Salão Minas Gerais</i>
09:15 – 09:55	L29 - <b>Maribel Navarro</b> (INMETRO, Brazil) Metal-based drugs as potential anti-parasitic agents: Recent advances <i>Cineteatro Tiradentes</i>	L30 - <b>Célia Machado Ronconi</b> (Universidade Federal Fluminense, Brazil) High performance of hybrid multi-functional materials <i>Salão Minas Gerais</i>
10:00 – 10:20	Coffee break	
10:25 – 10:45	<b>Awards</b> <i>Cineteatro Tiradentes</i>	
10:45 – 10:55	<b>Closing Ceremony</b> <i>Cineteatro Tiradentes</i>	
10:55 – 11:55	<b>Inorganic Division Assembly</b> <i>Cineteatro Tiradentes</i>	
12:00 – 13:00	Lunch	

Lecture (L)  
 Plenary (P)  
 Oral Presentation (OP)  
 Workshop Lecture (WL)