

MONDAY, SEPTEMBER 24

		08:30-16:00	I Workshop on Theoretical Bioinorganic Chemistry (WTBC)
14:00-18:00	Registration		
18:00	OPENING CEREMONY		
OPENNING LECTURE	PROFESSOR THOMAS MEYER (<i>University of North Carolina</i>) <i>Making Solar Fuels</i>		
19:00			Chair: Neyde Yukie Iha
20:00-22:00	Welcome Cocktail		

TUESDAY, SEPTEMBER 25**LECTURE#1** **PROFESSOR CARLO ALBERTO BIGNOZZI (University of Ferrara)****A7-12***Photoelectrochemical Approaches to Solar Energy Conversion***09:00****Chair: Alzir A. Batista**

10:00	COFFE BREAK					
	LABIC 1 Chair: Adolfo Horn		BMIC 1 Chair: Miguel Jafelicci		TR 1 Chair: Sidney Ribeiro	
10:30	A1-81 Dinorah Gambino <i>Effect of Bioactive Ligand Nature on Biological Behavior of Ferrocenyl Heterobimetallic Compounds</i>		10:30	A9-44 Vera Constantino <i>Functional Layered Double Hydroxide and its Intercalated Derivatives: Potential Application as Local Delivery Systems</i>	10:30	A3-01 Fernando A. Sigoli <i>Lanthanides-Based Luminescent Materials Applied to Optical Probes</i>
11:00	A1-106 Wilmer José Villarreal		11:00	A9-62 Beate S Beate	11:00	A3-04 Izadora Fonseca Reis
11:15	A1-67 Manuel Ignacio Azocar		11:20	A6-06 Douglas Santana Franciscato	11:10	A3-06 Guilherme Arroyos
11:30	A1-14 Alzir Batista <i>Ruthenium/Naphthoquinone Complexes are Promising Anticancer Drugs</i>		11:30	A2-01 Frank Edelmann <i>Chemistry of Carboranylaminates</i>	11:20	A3-15 Gabriela Guida
					11:30	A3-57 Osvaldo A. Serra <i>Lanthanoids in the Metal-Organic Frameworks: Luminescent Properties and NMR Analysis</i>
12:00	LUNCH BREAK					
	LABIC 2 Chair: Margarida Castro		BMIC 2 Chair: Shirley Nakagaki		TR 2 Chair: Beate S. Beate	
14:00	A1-90 Isabel Moura <i>The last Step of Denitrification Pathway: Nitrous Oxide Reductase</i>		14:00	A9-37 Alexander Kirillov <i>Copper and Silver Metal-Organic Frameworks: Design, Catalytic C–H Functionalization, and Antimicrobial Materials</i>	14:00	A3-60 Hermi F. Brito <i>Synthesis of luminescent rare earth materials as light converting devices</i>
14:30	A1-01 Esteban A. Rodriguez-Arce		14:30	A7-03 Andressa Vidal Müller	14:30	A3-23 Ana Maria Pires
14:40	A7-04 Flávio Bastos Miguez		14:40	A9-10 Barbara Scola Rodrigues		
14:50	A1-36 Thato Medupe		14:50	A9-14 Rodolfo Lopes Coppo	14:55	A3-27 Douglas Ricardo de Assis
15:00	A1-06 Diogo R. Magalhães Moreira		15:00	A2-09 Maria Helena Araujo	15:05	A3-20 Rogéria Rocha Gonçalves
15:15	A1-03 Claudia M. Palopoli		15:15	A9-02 Livia Florencia Arizaga	15:30	A3-42 Roberta Felix de Oliveira
15:30	A1-96 Marcos Dias Pereira		15:30	A4-04 Roberto B. Faria	15:40	A3-03 Severino Alves Júnior <i>Lanthanides-organic Framework: From synthesis and Ink jet printed luminescent to drug delivery and Bio-hybrids</i>
15:50	A6-04 Luis Alberto Lemus Chávez		15:50	A6-01 Sofia Nikolaou		
16:10	COFFE BREAK					

LECTURE#2 **PROFESSOR DEBBIE C. CRANS (Colorado State University)****A1-80***The Effect of Speciation on Biological Activities of Pt, Fe and V Compounds***16:40****Chair: Professor Ana Maria Ferreira**

17:40	POSTER FLASH PRESENTATION #1 (ODD CODES) Chair: Professor Eduardo H. S. Sousa
18:10	POSTER SESSION #1 (ODD CODES)

WEDNESDAY, SEPTEMBER 26

PROFESSOR HENRIQUE E. TOMA (University of São Paulo)

LECTURE #3

A3-41

Green Processing of Lanthanide Ions Based on Magnetic Nanohydrometallurgy

09:00

Chair: Sofia Nikolau

10:00	COFFE BREAK				
LABIC 3 Chair: Luis Lemus		BMIC 3 Chair: Victor Deflon		TR 3 Chair: Ana Maria Pires	
10:30	A1-12 Ana Maria da Costa Ferreira <i>Versatile Metal-Isatin Complexes as Potential Therapeutic Agents</i>	10:30	A9-35 Joaquín Rodríguez-López <i>Titration Reactive Intermediates at Water-Splitting Photoanodes: Elucidating Spatial, Temporal, and Chemical Heterogeneities</i>	10:30	A3-59 Eduardo José Nassar <i>YVO₄ Matrix Doped with Eu³⁺, Er³⁺, and Yb³⁺; Red, Green, and Infrared Emission</i>
11:00	A1-69 Adolfo Horn Jr.	11:00	A9-47 Bill Nishar Safadi	11:00	A9-15 Danilo Manzani
11:15	A1-128 Roberto Santana da Silva	11:10	A9-01 Thiago Cruz Canevari	11:10	A6-10 Ricardo González
11:35	A1-79 Daniel Murgida <i>Macromolecular crowding shapes the redox chemistry of metalloproteins</i>	11:20	A8-10 Caio Vinícius Lima	11:30	A9-03 Sidney J.L. Ribeiro <i>Silica and titania modified upconversion nanoparticles. Energy and biomedicine applications</i>
		11:30	A8-11 Dieric S. Abreu		
		11:40	A8-09 Paul V. Bernhardt <i>Electrochemical Insight to Copper-Catalysed Atom Transfer Reactions</i>		
12:05	LUNCH BREAK	12:10	LUNCH BREAK	12:00	LUNCH BREAK
FREE AFTERNOON					

THURSDAY, SEPTEMBER 27

LECTURE #4

A3-45

09:00

PROFESSOR PETER C. JUNK (*James Cook University*)

Chemistry of the Lanthanoids Involving the Very Bulky Tetraphenyl and Pentaphenyl-Cyclopentadienyl Ligands

Chair: Paul V. Bernhardt

10:00		COFFE BREAK			
LABIC 4 CHAIR: Isabel Moura		BMIC 4 Chair: Sérgio Machado		LABIC 5 Chair: Júlio Rebouças	
10:30	A1-05 <u>Carlos F.G.C. Geraldes</u> <i>A Biocompatible Redox MRI Probe Based on a Mn^{II}/Mn^{III} Porphyrin</i>	10:30	A9-56 <u>Shirley Nakagaki</u> <i>Mild and Selective Oxyfunctionalization of Linear Alkane Reaction Using Immobilized Metalloporphyrin as Catalyst</i>	10:30	A1-83 <u>Ivan Castillo</u> <i>Sulfur-Rich Ligands For Hydrogenase and Nitrogenase Inspired Complexes</i>
11:00	A2-10 Rosely A. Peralta	11:00	A2-06 Égil de Brito Sá	11:00	A7-17 Lucas Fonseca Bezerra
11:15	A1-27 Elene C. P. Maia	11:15	A7-06 Karina P. Morelli Frin	11:10	A1-125 Marta S.P. Carepo A1-11 <u>Charles Riordan</u> <i>Structure and Reactivity of a Nickel-Dioxygen Adduct: C–H Activation</i>
		11:25	A2-03 Vitor Correa Weiss		
11:30	A1-91 <u>Joshua Telser</u> <i>Synthetic, Spectroscopic, and Computational Studies of Tetraketimide Complexes of Nd Block Ions</i>	11:35	A1-73 <u>Christiane Horn</u> <i>Antitumoral activity of new cobalt(II), copper(II), iron(III) and platinum(II) complexes: pre-clinical, in vivo and association studies</i>		
12:00		LUNCH BREAK			
LABIC 6 Chair: Dinorah Gambino		BMIC 5 Chair: Ernesto Lang		LABIC 7 Chair: Pedro Corbi	
14:00	A1-84 <u>João Costa Pessoa</u> <i>In-Vitro Experiments with Metal-Complexes of Cu(II), V(IV/V) or Zn(II). Relevance of Speciation</i>	14:00	A9-08 Andrea S. Stucchi de Camargo	14:00	A7-13 <u>Maurício da Silva Baptista</u> <i>Inorganic Compounds in Light-Induced Diseases And Treatments</i>
14:30	A1-77 Manoely Virgínia Duarte de Barros Silva	14:20	A8-02 Juliano Alves Bonacin	14:30	A1-108 Laísa Bonafim Negrí
14:40	A1-10 Ana Cristina Resende Gonçalves	14:30	A8-15 Luis Enrique Santa Cruz Huamaní		
14:50	A1-68 Carolina Galuppo	14:40	A1-129 Victor Marcelo Deflon	14:40	A1-55 Filipy Gobbo Maranhá
15:00	A1-111 Bruna Possato	15:00	A9-65 Ercules Teotonio	14:50	A1-59 Catherine Morais Teles
15:15	A1-04 Sandra Rosanna Signorella	15:10	A9-05 Raisa Siqueira Alves	15:00	A1-92 Maria Margarida C. Castro
15:35	A1-33 <u>Júlio Santos Rebouças</u> <i>Metalloporphyrin-Based Biomimetic Catalysts, Sensors, and Redox-(Photo)Active Therapeutics</i>	15:20	A9-63 Giordano Poneti	15:20	A1-62 Josiane Bezerra Lobão
		15:40	A6-05 <u>Ulrich Abram</u> <i>Metal-based Coronands and Cryptands with Aroylthioureas</i>	15:30	A1-78 Wellinson Gadêlha Guimarães

			– Structures and Potential Applications	15:40	A1-127 Marie-Alda Gilles-Gonzalez <i>Oxygen sensing by Escherichia coli and Mycobacterium tuberculosis</i>
16:10	COFFE BREAK				
LECTURE #5 A7-14 16:40	PROFESSOR OSAMU ISHITANI (Tokyo Institute of Technology) <i>Photocatalytic Systems for CO₂ Reduction Consisting of Metal Complexes and Semiconductors</i>				Chair: Carlo Bignozzi
17:40	POSTER FLASH PRESENTATION #2 (EVEN CODES) Chair: Professor Paul V. Bernhardt				
18:10	POSTER SESSION #2 (EVEN CODES)				

FRIDAY, SEPTEMBER 28	
LECTURE #6 A3-56 09:00	PROFESSOR OSCAR M. L. MALTA (<i>Federal University of Pernambuco</i>) <i>Modelling the Luminescence Due to 4f – 4f Transitions in Rare Earth Based Materials: Recent Advances</i> Chair: Osvaldo A. Serra
10:00	<u>A1-85 Joao Seco</u> <i>Evaluation of Synthetic Anti-Oxidants in Mammalian Cells as Protection against Radiation-Induced ROS</i> Chair: Osvaldo A. Serra
10:30	COFFE BREAK
11:00	<u>A7-16 Terry Don Tilley</u> <i>Highly Oxidized Metal Centers and Metal-Metal Cooperativity in Oxo Clusters for Water Splitting.</i> Chair: Eduardo Nicolau
11:30	<u>A9-38 Cedric Fischmeister</u> <i>Iridium Catalysts for Base-Free Hydrogenation of Levulinic Acid</i> Chair: Eduardo Nicolau
12:00	LUNCH BREAK
14:00	LABIC ASSEMBLY
LECTURE #7 A1-86 15:00	PROFESSOR JOSÉ MOURA (<i>Universidade Nova de Lisboa</i>) <i>Molybdenum/Tungsten Enzymes a Landscape of Chemical Reactions</i> Chair: Charles Riordan
16.00	Closing Ceremony / Awards
17.00	Inorganic Division Assembly
18.00	BREAK
19.30-00:00	Dinner & Dancing