CONFIRMED ORAL PRESENTATION

Title and Author

**Inhibition of NDM-1 carbapenemase by a novel class of thiazolidines**
#1047029: María Agustina Rossi
Área: Metalloproteins and Metalloenzymes

**On the mechanism of action of new active ruthenium anticancer compounds: a model membrane biophysics approach**
#1050461: Ana Isabel Antunes Tomaz Diniz
Área: New Emerging Topics (in Bioinorganic Chemistry)

**Characterization of the biosynthesis of 2-thiouridine in transfer RNA catalyzed by an iron-sulfur protein**
#1050479: Naoki Shigi
Área: Metalloproteins and Metalloenzymes

**The amino terminus of the prion protein does not compete with the octarepeat domain for divalent copper**
#1050493: Simon Drew
Área: Medicinal Inorganic Chemistry

**How nature tunes dynamics to drive allosteric inhibition vs. activation: AdcR, a Zn regulator of Streptococcus pneumoniae**
#1050436: Daiana Capdevilla
Área: Metalloproteins and Metalloenzymes

**Fluorescent Imaging Targeted to Tyrosine kinase and Early Diagnosis of Cancer**
#1050438: Yang Jiao
Área: Bioenergetics, Electron Transfer and Reactive Species
Enzymatic Simulation of Metal-organic Architectures
#1050391: Chunyung Duan
Área: Bioinspired Coordination and Organometallic Chemistry

A Unique Family of Iron-Sulfur Regulators in Redox Stress Response in Mycobacteria
#1048969: Limei Zhang
Área: Metalloproteins and Metalloenzymes

Resonance Raman of ba3 oxidase from Thermus thermophilus: Detection of a ferryl-oxo species and a low to high temperature transition
#1047057: Constantinos Varotsis
Área: Bioenergetics, Electron Transfer and Reactive Species

Cytotoxic activity of phenanthroline salicylaldimine zinc(II) complexes
#1046783: Maria Isabel Rodriges Correia
Área: Medicinal Inorganic Chemistry

Water oxidation catalyzed by mononuclear iron and cobalt polypyridine complexes
#1050450: Anders Emanuel Thapper
Área: Bioinspired Coordination and Organometallic Chemistry

Bioinorganic chemistry in Brazilian soils
#1047010: Antonio Salvio Mangrich
Área: Environmental Bioinorganic Chemistry

Artificial Flavo-Reductase for the Catalytic Activation of Dioxygen at Metal Centers in Water
#1046760: Frédéric Avenier
Title and Author

Área: Bioinspired Coordination and Organometallic Chemistry

*Increasing the anticancer activity of copper(II)-salan complex by attaching naphthyl groups to the ligand structure*
#1047363: Adolfo Horn Junior
Área: Medicinal Inorganic Chemistry

*Silver(I) complexes with 2-acetylpyridine- and 2-benzoylpyridine- derived hydrazones: cytotoxicity against metastatic melanoma cells*
#1046833: Heloisa Beraldo
Área: Medicinal Inorganic Chemistry

*Estrogens-functionalized metal complexes: selective anticancer and antibacterial activity*
#1046707: Diego Montagner
Área: Medicinal Inorganic Chemistry

*Spectroscopic characterization of the soluble electron transfer domains of T. Thermophilus caa3 COX*
#1047043: Marcos Nicolás Morgada
Área: Metalloproteins and Metalloenzymes

*Dynamic insight into the interaction between two fluorescent platinum(II) complexes and a BCL-2 RNA G-quadruplex*
#1047188: Zenghui Wang
Área: Nucleic Acids and Metals

*Determining the Critical Diiron Distance of Q within Soluble Methane Monooxygenase*
#1049090: George Edward Cutsail III
Área: Metalloproteins and Metalloenzymes
S-arylation: A unique zinc finger inhibition mechanism observed for Au(2-benzylpyridine)Cl₂
#1046971: Raphael Enoque Ferraz de Paiva
Área: Metalloproteins and Metalloenzymes

The Orange Protein Complex - Novel Fe-S proteins from sulfate reducing bacteria
#1048873: Sofia Rocha Pauleta
Área: Metalloproteins and Metalloenzymes

Novel insights into metal selectivity and reactivity in human metallothionein-3
#1048929: Gabriele Meloni
Área: Medicinal Inorganic Chemistry

The use of conjugated polypyridyl ligands as a design strategy to increase the CO release activity of manganese photoCORMs
#1046860: André Luiz Amorim
Área: Medicinal Inorganic Chemistry

Binding of antiangiogenic platinum with Glycosaminoglycans (GAGs): Interaction and cleavage inhibition studies
#1047974: Anil Kumar Gorle
Área: Medicinal Inorganic Chemistry

Chemical Warfare in the Immune System Response to Cryptococcus Neoformans
#1047019: Peter Andrew Lay
Área: Cell biology of Metals (homeostasis, transport, storage)

Expanded Macrocycles for the Chelation of Radionuclides for Targeted Alpha Therapy
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<td>Development of new nitrosyl ruthenium compounds with antioxidant and vasodilator action</td>
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<td>#1046715: Luiz Gonzaga de França Lopes</td>
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<td>SYNTHESES AND CHARACTERIZATION OF A DINUCLEAR Fe$^{III}$Zn$^{II}$ COMPLEX AS A MODEL FOR PURPLE ACID PHOSPHATASE</td>
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<td>#1046843: Claudia Pereira</td>
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<td>A Vanadium compound with multiple therapeutic effects: is it just a promising insulin-mimetic or will it achieve pharmaceutical use?</td>
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<td>#1048334: Maria Margarida Catalão Almiro E Castro</td>
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<td>Design of new trinuclear ruthenium clusters with ortho-metallated ligands: physical-chemical characterization and promising antitumor activity</td>
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<td>#1047509: Camila Fontes Neves da Silva</td>
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| **A Biomimetic Approach for the Design of Manganese and Copper Based Water Oxidation Electrocatalysts**  
#1048870: Galia Maayan  
Área: Bioinspired Coordination and Organometallic Chemistry |
| **Modeling copper-containing monooxygenases active sites and reaction intermediates**  
#1047295: Ariane Jalila Simaan  
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| **Catalysts based on surface functionnalized laccases**  
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| **Cytotoxic titanium(IV) compounds prepared with iron chelators alter the intracellular labile iron pool**  
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| **Simultaneous contrast agent and drug delivery in colon-targeted MRI using pH sensitive electrospun theranostic fibers**  
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| **Metalloprotein design using genetic code expansion**  
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| **Utility of heme analogues to design the heme-globin interactions in myoglobin**  
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