

American Chemical Society
248th National Meeting & Exposition

CHEMISTRY & GLOBAL STEWARDSHIP

San Francisco, CA • August 10 - 14, 2014

Next Generation Ambassadors of Chemistry Symposium

Sunday, August 10, 2014

**Moscone Center, South Bldg.
South Lobby, Esplanade Room 300**



**Oral Presentations start at 1 PM
Networking from 4:30 to 5:30 PM**



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Alexandre Amormino Gonçalves

Kent State University, OH, USA

One-pot synthesis of mesoporous Ti-Ni-Al ternary oxides as a strategy to develop highly selective catalysts for steam reforming of ethanol



Carla Grazieli Azevedo da Silva

University of Campinas, Brazil

Characterization of different stationary phases using supercritical fluid chromatography (SFC) and ultra-high performance supercritical fluid chromatography (UHPSFC)



Diogo Montes Vidal

Federal University of Parana, Brazil

Identification and synthesis of the aggregation pheromone of *Homalinotus depressus* (Coleoptera: Curculionidae)



Gabriel Costa Alverni da Hora

University of California, Davis, CA, USA

Molecular dynamics studies of a pediocin-plantaricin hybrid peptide in PPG:POPC bilayers



Jeronimo Lameira Silva

University of Southern California, USA

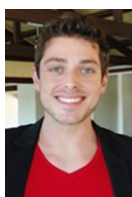
Molecular origin of the activation of GTPase: par dynamics (PD) study



***João Francisco Ventrici de Souza**

University of California, Davis, CA, USA

Cholesterol withdrawal from lipid monolayers



João Luiz Baldim Zanin

University of California, Santa Cruz, CA, USA

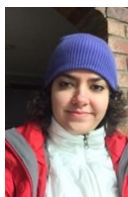
New strategy to access the Burkholderia diversity from environmental samples



Lucas Gontijo Silva Maia

West Virginia University, WV, USA

Functional analysis of a nodule-specific GRF Zinc Finger transcription factor in the model legume, *Medicago truncatula*



Luiza Magalhães Fiuza Gomes

Simon Fraser University, Canada

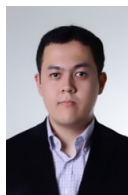
Development of 8-hydroxyquinoline derivatives as possible therapeutics for the treatment of Alzheimer's disease



Maria José Fonseca Costa

Kent State University, OH, USA

Microwave-assisted single-surfactant templating synthesis of mesoporous zeolites



Raphael Nagao de Sousa

Saint Louis University, MO, USA

Elucidation of reaction mechanisms far from thermodynamic equilibrium



Richard Piffer Soares de Campos

University of Kansas, KS, USA

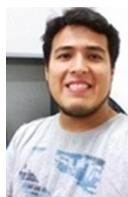
Microfluidic devices for cell manipulation and detection of cell components



Rita de Cassia Pessotti

Harvard Medical School, MA, USA

Actinobacterial interaction triggers antibiotic production against a multi-drug resistant strain



Rodrigo Villegas Salvatierra

Rice University, TX, USA

Lithium ion battery based on thin films of graphene nanoribbons, conjugated polymers and silicon nanoparticles



Vinícius Alves

Federal University of Goiás, Brazil

Pred-hERG: A novel web-accessible computational tool for predicting cardiac toxicity of drug candidates

*poster presentation only