Event Program

Saturday March 30th, 2019

8:00AM-9:00AM	Registration and Breakfast	CHE Breezeway
9:00AM-11:30AM	Morning Presentations	ISA 1051-1061
11:45AM-12:30PM	Lunch and Poster Preparations	NES Walkways
12:30PM-1:30PM	Formal Poster Session	NES Walkways
1:30PM-4:00PM	Afternoon Presentations	ISA 1051
4:00PM-5:00PM	Plenary Speaker	ISA 1051
5:00PM-5:15PM	Award Ceremony	ISA 1051

Morning Oral Presentation I

ISA 1051, from 9:00am to 11:30am

Time	Presenter	Title	PI
09:00am	Guy W. Dayhoff II	Hydration and Dispersion Forces in Hydroxypropylcellulose Phase Behavior	Dr. David Rogers (USF)
09:25am	Meng Chen	MOFs Thin Films Formation with Metal Oxide Nanolayers as Precursors	Dr. Shengqian Ma (USF)
09:50am	Andrea Lemus	Synthesis of a Chemical Probe and Potential Treatment for Psychiatric Disorders	Dr. James Leahy (USF)
10:15am	Teng Yuan	Directed Aldol Reaction of 1,4-Diketones Synergistically Catalyzed by Gold and Ferric Acetylacetonate	Dr. Xiaodong (Michael) Shi (USF)
10:40am	Paul Orndorff	Flexibility of Lesion Containing DNA	Dr. Arjan van der Vaart (USF)
11:05am	Chiyu Wei	Synergistic Palladium/Enamine catalysis for asymmetric hydrocarbofunctionalization of unactive alkene with ketone	Dr. Xiaodong (Michael) Shi (USF)

Moderator: Steve Lan

Morning Oral Presentations II

ISA 1061, from 9:00am to 11:30am

Time	Presenter	Title	PI
09:00am	Jingwen Wei	Selective synthesis of 1,3-Diynes Unsymmetrical Polymer	Dr. Xiaodong (Michael) Shi (USF)
09:25am	Harsh Vardhan	Vanadium Docked Covalent-Organic Frameworks: An Effective Heterogeneous Catalyst for Key Organic Transformations	Dr. Shengqian Ma (USF)
09:50am	Brant Tudor	Simulation of metal-organic frameworks via path integral Monte Carlo (PIMC): Leveraging classical tools to study quantum phenomena	Dr. Brian Space (USF)
10:15am	Junyu Ren	Metal-Organic Frameworks-based Fluorescent Sensor for in vitro assay of chemotherapeutic agents by bio-mimic motif decorated channels	Dr. Shengqian Ma (USF)
10:40am	Yiming Li	Folding, Self-Assembly and Characterization of Giant Metallo-Supramolecules with Atomic Resolution	Dr. Xiaopeng Li (USF)
11:05am	Aaron Clark	How Students Study for Undergraduate Organic Chemistry: The Adaptable, the Inflexible and the Overwhelmed	Dr. Jeffrey Raker (USF)

Moderator: Sami Abdulkadir

Afternoon Oral Presentations

ISA 1051, from 1:30pm to 4:00pm

Time	Presenter	Title	Principal Investigator
01:30pm	Steven LoCicero	Particles size effects on the structural phase transition of a ferroelectric metal-formate framework	Dr. Daniel R. Talham (UF)
01:55pm	Chantrell Frazier	Human Scent Forensics: A cross-disciplinary study using HS-SPME-GCMS VOC Analyses and Length Heterogeneity PCR	Dr. DeEtta Kay Mills (FIU)
02:20pm	Ilia Toli	The Schrödinger Equation with Coulomb Potential Admits no Exact Solutions	Dr. Shengli Zou (UCF)
02:45pm	Fiona Kearns	PETase: Characterization of a plastic-degrading enzyme	Dr. Lee Woodcock (USF)
03:10pm	Ying He	Construction of cross-layer linked G-octamer: stable G-quadruplex in H-bond competitive solvent	Dr. Xiaodong (Michael) Shi (USF)
03:35pm	Matthew Sarnowski	Exploring the impact of peptide backbone N-heteroatom substitution on secondary structure	Dr. Juan Del Valle (USF)

Moderator: Douglas Franz