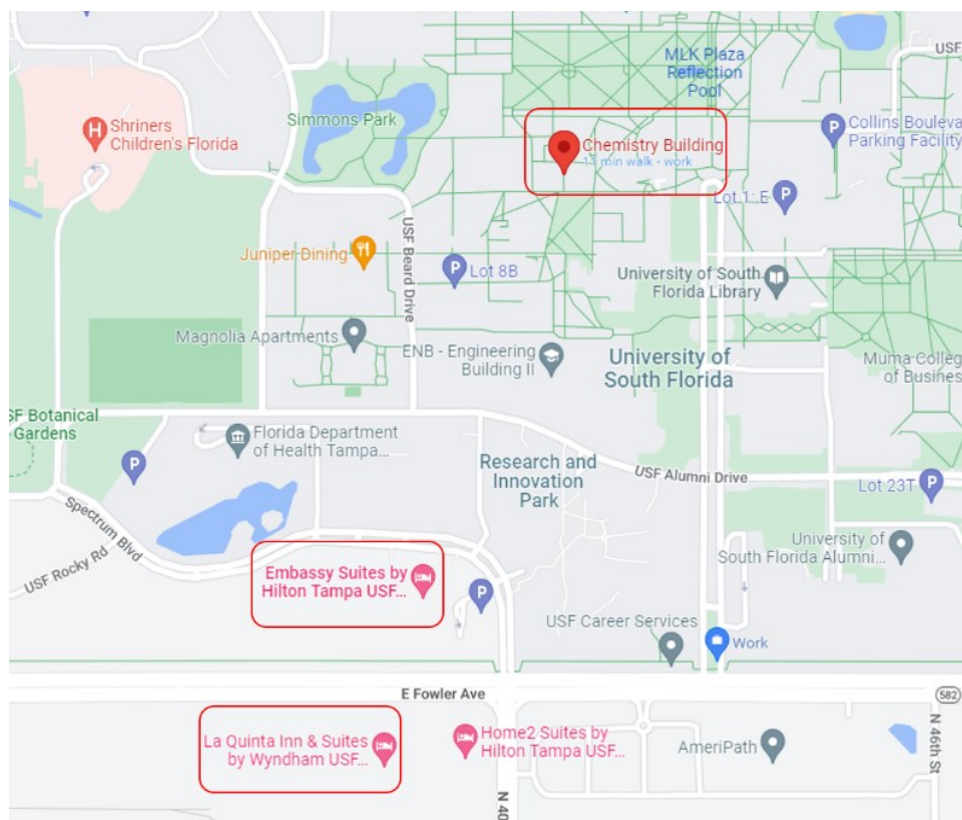


2022 CAPA Symposium at USF

Dec 22, 2022

Venue: **Department of Chemistry, CHE 201, 12111 USF Sweetgum Ln, Tampa, FL 33620**



Organized by
CAPA Administrative Team

Jianmin Gao - Boston College
Xiaodong Shi - University of South Florida
Wenshe Liu - Texas A & M University
Jianfeng Cai - University of South Florida

Contact: jianmin.gao@bc.edu or jianfengcai@usf.edu

Symposium Program

8:30-8:40 Opening Remarks

8:40-10:20 **Session #1** (Session Chair: Xiaodong Shi)

Hao Xu - Brandeis University

Discovery of selective olefin azidation methods: from Tamiflu to azido-group labeling

Xin Cui - Mississippi State University

From Structural Simplicity to Functionalities: Discovering Selective and Sustainable Catalysis

Qiang Zhang - University of Albany

Investigation of unusual oxidative de-aromatization, dimerization of naphthalenols and anthracenols

Mingji Dai - Emory University

Chemistry Innovation and Biological Discovery Through Natural Product Total Synthesis

10:20-10:50 Coffee Break

10:50-12:30 **Session #2** (Session Chair: Wenshe Liu)

Xin Yan - Texas A&M University

Microdroplet Mass Spectrometry for Lipid Isomer Analysis and Accelerated Discovery of Transition Metal Catalysis

Huiqing (Jane) Zhou - Boston College

Quantitative Profiling of Chemical Modifications and Expression of human Transfer RNA

Xiaoyu Zhang - Northwestern University

Expanding the Landscape of E3 Ligases for Targeted Protein Degradation

Jingxin Wang - University of Kansas

Selection-based Platform for Drug Target Identification

12:30-1:30 Lunch Break

1:30-3:10 **Session #3** (Session Chair: Jianfeng Cai)

Jin Wang - Baylor College of Medicine

Leveraging PROTACs to Overcome Resistance in Targeted Cancer Therapies and Immunotherapies

Huiwang Ai - University of Virginia

Illuminate Biosignaling with Genetically Encoded Molecular Lanterns

Ross Wang - Temple University

Fluorine-Displacement Probes for Protein-Protein Interactions

Haifan Wu - Wichita State University

Protein Cross-linking to Study Amyloid-Protein Interactions

3:10-3:40 Coffee Break

3:40-5:40 **Session #4** (Session Chair: Jianmin Gao)

Lei Fang - Texas A&M University

Synthesis, Processing, and Advanced Materials Application of Conjugated Ladder Polymers

Jia Niu - Boston College

Polymer Chemistry-Inspired Approaches to Synthetic Polysaccharides

Xuefei Huang - Michigan State University

Expedient synthesis of extensive heparan sulfate oligosaccharide libraries

Zhongwu Guo - University of Florida

New Methods for the Synthesis and Analysis of Glycosphingolipids

5:40-6:30 free time/social hour

6:30-8:30 Dinner