

Research Personnel

Analytical Chemistry

David Battiste, Ph.D.
Analysis and synthesis of insect pheromones and lures; MNR, IR, GC, GC/MS, LC/MS, Raman, NIR

Jason Coym, Ph.D.
Fundamentals and applications of liquid chromatography

Alexandra Stenson, Ph.D.
Analytical characterizations: HPLC, mass spectroscopy, characterization of humic substances

Biochemistry

Larry Yet, Ph.D.
Drug discovery, medicinal chemistry, cross-coupling methodologies

Organic Chemistry

David Forbes, Ph.D.
Synthetic methodology: Natural product synthesis; Asymmetric catalysis

Christian Oertli, Ph.D.
Effects of non-classical Energy forms (Microwave and Ultrasound) on organic reactions.

Inorganic Chemistry

Milorad Stojanovic, Ph.D.
Synthesis, characterization and NMR studies of Organometallic Compounds

Richard Sykora, Ph.D.
Lanthanide and actinide chemistry; X-ray diffraction

Materials Chemistry

James Davis, Ph.D.
Ionic liquids in separations & catalysis, greenhouse gas capture; biorenewable hydrocarbon resources

Richard O'Brien, Ph.D.
Ionic liquids; Thiol-ene chemistry; PTC; polymer supports

Matthew Reichert, Ph.D.
Ionic liquid properties – thermal behavior and applications including biomass processing

Computational Chemistry

E. Alan Salter, Ph.D.
Enzyme-inhibitor interactions

Andrzej Wierzbicki, Ph.D.
Computational modeling; regulation of crystal growth by absorbed molecules

Medicinal Chemistry**Physical Chemistry**Collaborations/Resources
Internal & External

UCUR

ETOX Program

Pheromone Center

Departmental Honors

University Honors

Center for Environmental Resiliency

Equipment/ Instrumentation

- NMR
- Liquid Chromatography Mass Spectrometer
- Diffractometer
- Microwave Plasma Atomic Emission Spectrometer

<http://www.southalabama.edu/colleges/artsandsci/chemistry/resources/Instrumentation>