

Faculty Mentored Student Research Opportunities in Chemistry & Biochemistry

Functionalization Chemistry on Polymers and Organic Polymer Nanoparticles
Contact Dr. Brooke Van Horn, Room 104 SSMB, Email VanHornba@cofc.edu

Biologically Based Use of Polymeric Materials for Catalysis and Surfactant
Contact Dr. Neal Tonks, Room 106 SSMB, Email Tonksn@cofc.edu

Transition Metal Catalysts for Carbon-Carbon Bond Formation
Contact Dr. Richard Himes, Room 110 SSMB, Email Himesra@cofc.edu

Chemical Analysis of Model Prebiotic Reactions
Contact Dr. Jay G. Forsythe, Room 112 SSMB, Email Forsythejg@cofc.edu

Theoretical Studies to Model Dynamics of Gases on Surfaces
Contact Dr. Kristin D. Krantzman, Room 116 SSMB, Email Krantzmank@cofc.edu

Spectroscopic Studies of Peptide Conformations
Contact Dr. Richard Lavrich, Room 120 SSMB, Email Lavrichr@cofc.edu

Structural Study of Signaling Peptides and Development of Organic Reactions
Contact Dr. Mike Giuliano, Room 124 SSMB, Email Giulianomw@cofc.edu

Structure, Function, and Evolution of Enzymes
Contact Dr. Marcello Forconi, Room 302 SSMB, EmailForconim@cofc.edu

Structure and Function of Mitochondrial Proteins Related to Human Disease
Contact Dr. Jennifer Fox, Room 304 SSMB, Email Foxjl@cofc.edu

NO Biosynthesis
Contact Dr. Amy Rogers, Room 308 SSMB, Email Rogersal@cofc.edu

Behavior of Engineered Nanomaterials in the Environment
Contact Dr. Kate Mullaugh, Room 310 SSMB, Email Mullaughkm@cofc.edu

Development of New Transition Metal Catalyzed Reactions
Contact Dr. Tim Barker, Room 312 SSMB, Email barkertj@cofc.edu

Pharmaceutical Analysis
Contact Dr. Wendy Cory, Room 314 SSMB, Email Coryw@cofc.edu

Preparation, Characterization, Computational and Conformational Analysis of Organosilicon and Organogermanium Compounds
Contact Dr. Gamil A. Guirgis, Room 316 SSMB, Email Guirgisg@cofc.edu

Design & Preparation of Tailored Ligands for Green Catalysis
Contact Dr. Jason S. Overby, Room 318 SSMB, Email Overbyj@cofc.edu

Unnatural Natural Products, Neuronal Imaging Agents, New Lab Experiments
Contact Dr. Rick Heldrich, Room 320 SSMB, Email Heldrichr@cofc.edu

Polymer Assembly For Photovoltaic Applications
Contact Dr. David S. Boucher, Room 322 SSMB, Email Boucherds@cofc.edu

Metalloenzyme Structure and Function
Contact Dr. Pam Riggs-Gelasco, Room 324 SSMB, Email Gelascop@cofc.edu