# Undergraduate Research Forum

## Chemistry Department, The University of Alabama, Fall 2007

Ellen Amrock amroc002@bama.ua.edu Dr. Blackstock, Dr. Butler
Modeling Redox Relays Designed as Molecular Memory Elements

Laura Arnold arnol010@bama.ua.edu Dr. Snowden
Toward a Tandem Reformatsky-Grob Sequence to Strategically Functionalized 9- and 10-Membered Cycloalkenes

D'Ariel Denise Boykin boyki001@bama.ua.edu Dr. Shaughnessy
Activation of Aryl Bromides & Chlorides towards Sonogashira Coupling Using Water Soluble Ligands DTBPSP & DAPSP

Fallon Brown fvbrown@bama.ua.edu Dr. Shaughnessy
Palladium Catalyzed Synthesis of Carbon Selenium Bonds

Jason Crowell jlcrowell@bama.ua.edu Dr. Shaughnessy
Investigations of Cross-coupling Reactions with new Palladium Neopentyl Phosphine Catalysts

Brett Fellows fello002@bama.ua.edu Dr. Snowden
Novel One-Carbon Homologation of Carboxylic Acids -- Safe, Inexpensive Alternative to the Arndt-Eistert Reaction

Brian Flowers bflowers@bama.ua.edu Dr. Street
Spectroscopy of Supported Metal Particles for Catalysis

William Kilgo wakilgo@bama.ua.edu Dr. Jennings
Efforts Toward New Synthetic Approaches to Substituted Furans

Ellie Killian killi011@bama.ua.edu Dr. Shaughnessy
Aqueous-phase Suzuki and Heck coupling reactions with water soluble phosphine ligands: DTBPSP and DAPSP

Laura Kyser ltkyser@bama.ua.edu Dr. Blackstock
The Preparation of Dipolar Crystals of m-Phenylenediamines

Sara McLendon semclendon@bama.ua.edu Dr. Shaughnessy
Aqueous-phase Heck coupling with water soluble phosphine ligands: DTBPSP and DAPSP

Sam Mroczynski mrocz001@bama.ua.edu Dr. Rogers
Finding Appropriate Ion Combinations to Deliver Biologically Active Ionic Liquids

Kristin Rogers roger064@bama.ua.edu Dr. Rogers
The Search for an Edible Ionic Liquid and Why We Care

Cody Smith cbsmith1@bama.ua.edu Dr. Jennings
An Aldol Approach to Substituted Furans

Quentin Sonnier mqsonnier@bama.ua.edu Dr. Shaughnessy
Investigation into the Water Soluble Phosphine Enhanced Suzuki-Miyaura Coupling Reaction.

Russ Terry rsterry@bama.ua.edu Dr. Blackstock
Searching for Isomorphs of Tetramethylpyrazine to Probe the Structure and Dynamics of the DA Assembly with TCNE