

2006 SUMMER RESEARCH EXPERIENCE FOR TEACHERS

Photo Not Available



Shani Forbes
Riverchase Middle School
Birmingham, AL



Shatomi Kerbawy
Holy Family High School
Birmingham, AL

Photo Not Available

Martina Norton

Annette Daugherty
Tarrant High School
Birmingham, AL

2006 RESEARCH EXPERIENCE FOR UNDERGRADUATE STUDENTS



Jeremy Branning
Bob Jones University – **Project Title:** *Temperature Diagnostics and Spectroscopic Characterization of Designer Diamond Anvils*



Kailash Bohra
University of Alabama at Birmingham – **Project Title:** *Wall Shear Stress from Venous Needle Flow During Hemodialysis*



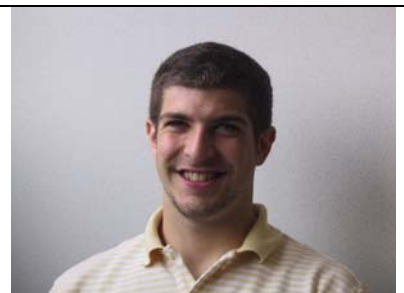
Nathan Campbell
Austin Peay State University – **Project Title:** *Nanostructured diamond films for biomedical implants*



Christopher Dees
University of Montevallo- **Project Title:** *Structural Implications of 6s and 5d Transition in Lutetium Under High Pressure*



Brad Eaton
University of Alabama at Birmingham – **Project Title:** *Controlling Crystalline Structure of Calcium Phosphate Nanoparticles Using Aerosol Science*



Nathaniel Greenstein
Carnegie Mellon University – **Project Title:** *Morphological Changes of Hydroxyapatite Nanoparticles During the Exposure in Aqueous Solutions at Elevated Temperatures*



Patrice Johnson
Oakwood College – **Project Title:** *Wear Testing of UHMWPE against Nanostructured Diamond Coatings & CoCr: Do Constant Loading Profiles Result in Lubricant “Starvation?”*



Brian Lassiter
University of Idaho – **Project Title:** *Effects of heat treatments on defects in strontium titanate substrates for magnetoelectric multiferroics*



Noah Lipham
University of West Georgia – **Project Title:** *Synthesis and Characterization of Sr-doped Lanthanum Manganite Nanoparticles*



Alan Martinez
University of West Georgia – **Project Title:** *Fe:ZnSe passive Q-switching of 2800 nm Er:Cr:YSGG laser cavity*



Jarrett Morris
Alabama A & M University – **Project Title:** *Electrospun Scaffolds of PLGA/Collagen Blends for Bone Tissue Engineering*



Neel Srikishen
Rice University – **Project Title:** *Novel Electrospun Triphasic Bone Tissue Scaffold*



Joseph Thompson
University of Alabama at Birmingham – **Project Title:** *Electron-Phonon Coupling in the α - and ϵ - Phases of Solid Oxygen*



Laura Wilson
Alabama A & M University – **Project Title:** *Fiber-Optic Bio-Sensors for Detection of Proteins*