APPLICATION for Summer 2012 Program

NSF Research Experience for Undergraduates (REU) Program in Micro/Nano-Structured Materials, Therapeutics, and Devices

Samuel Ginn College of Engineering
Auburn University, Auburn, AL 36849

PI: Dr. Mark Byrne **www.eng.auburn.edu/micronanoreu** **Co-PI: Dr. Steve Duke**

All materials must be received by February 15, 2012.

Name (First, Middle, Last):_____ **E-mail Address:**_____

Date of Birth: _____ **Gender: Male** ☐ **Female** ☐

US Citizen or Permanent Resident: Yes ☐ **No** ☐
Race/Ethnicity (Optional): American Indian or Alaskan ☐ **African American or Black** ☐ **White (Non-hispanic)** ☐
Asian American/Pacific Islander ☐ **Hispanic or Latino** ☐
Disability (Optional): Yes ☐ **No** ☐

Current Mailing Address

Street:_____

_____

City, State, Zip:_____

Phone:_____

Permanent Mailing Address

Street:_____

_____

City, State, Zip:_____

Phone:_____

Education

College or University:_____ **Overall GPA:**_____ **Major GPA:**_____

Major:_____ **Expected Graduation Date (month/yr):**_____

Do You Plan on Applying to a Graduate or Professional Degree Program? Yes ☐ **No** ☐

Which Graduate Program Do You Plan on Applying to: M.S. ☐ **Ph.D.** ☐ **M.D.** ☐ **Other:** ☐ _____

Why are you interested in this REU Program? Please comment on your research interests and future career plans/goals. *(Use only the space provided)*

How did you learn about this REU Program? *(Use only the space provided)*

List Any Previous Research Experiences (Place, Duration, Job Title, and Brief Description) *(Use only the space provided. No previous research is necessary for acceptance into this program.)*

Research Project Themes *Please Rank your Top Project Themes Only (1, 2, and 3). Detailed Descriptions are available online.*

_____Microfluidics

_____Controlled Therapeutic Delivery and Pharmaceutics

_____Micro- and Nanostructured Materials, Nanofibrous Structures

_____Carbon Nanotubes, Liquid Crystals, and Inorganic Nanorods

_____Tissue Engineering and Controlling Stem Cell Differentiation

_____Rapid Identification and Recovery of Toxic Metal Ions

_____Nanoparticle Synthesis, Formation, and Processing

_____Understanding Microstructure/Property Relationships of Nanomaterials

_____Shape Memory Polymers

To Complete your Application:

A One-page Resume or Curriculum Vitae and Two Letters of Recommendation Are Required.
At least one letter must be from a professor or instructor who has taught you at the institution you are enrolled. Letters must be sent as a pdf file with your name in CAPS-REU2012 in the subject line to ***auburnREUnano@eng.auburn.edu****.*

Recommender #1
Name:_____
Title:_____
Address:_____
_____
Phone:_____
E-mail:_____

Recommender #2
Name:_____
Title:_____
Address:_____
_____
Phone:_____
E-mail:_____

An Academic Transcript is Required. Transcripts must be included with the application. *Note: This can be an unofficial copy, but if accepted into the program an official transcript will be required.*

A complete application package consisting of application (type text into pdf), resume or curriculum vitae (pdf), and official or unofficial transcript(s)(pdf only) should be sent via e-mail to the address ***auburnREUnano@eng.auburn.edu*** *with your name in* ***CAPS-REU2012*** *in the subject line. Two letters of recommendation (pdf) must be sent separately by the recommenders by the application deadline.*

auburnREUnano@eng.auburn.edu
Dr. Mark Byrne
Director, NSF REU Program
Auburn University

By submitting and signing this application, I certify that all information provided in this application is true and attest to its accuracy.

Signature (or type name):_____ Date:_____