Summer 2019
 Invitation for Faculty & Students

Accepting Faculty-Student TEAMS*

Ten-Week Summer Research Program at Furman University
(May 20 - July 26, 2019)

Send inquiries to:
Karen Buchmueller:
karen.buchmueller@furman.edu

This program will provide:

- Student stipend: $5,000.
- Student housing supplement: $500.
- Faculty stipend: $7431 plus $568.66 FICA/fringe
- Research supplies: $1,000 per group.
- Research space.
- Access to departmental equipment.
- Student registration and travel support the Southeast Regional ACS (SEMACS) meeting.

Visiting faculty are encouraged to apply with 1-3 students.

* This program is designed for participation by faculty-student teams. (Individual students may be accepted.)
Furman Faculty

Mary Elizabeth Anderson: Bottom-up assembly and characterization of nanomaterials with a focus on metal-organic frameworks and thermoelectrics.

Karen Buchmueller: Understanding the mechanisms by which small molecules compete with proteins for DNA binding.

Mary Beth Daub: Application of photocyclicaddition reactions to the synthesis of biologically active natural products.

Brian Goess: Synthesis of biologically-active small molecule natural products and the development of new reactions.


Jeff Petty: Looking at hydration changes for DNA-drug interactions, DNA based nanomaterials and DNA structures in neurological diseases.

Greg Springsteen: Elucidation of early protometabolic pathways in prebiotic chemistry.

Paul Wagenknecht: Development of photochemical molecular devices (PMDs).

John and Sandy Wheeler: Developing novel strategies for separating chiral transition metal mixtures using capillary electrophoresis.

Laura Wright: Harnessing the optical properties of nano-structures for use in sensing applications.

Applications Due
March 11, 2019

Submit applications to: karen.buchmueller@furman.edu

For more information, see: http://chemistry.furman.edu/reu/

Summer Activities

Students
• Professional and technical workshops (academic credit possible)
• Communication skill building
• Science outreach project

Faculty and Students
• Superb laboratory facilities
• weekly lunch meetings
• Invited seminar speakers
• Social gatherings and events

Faculty Mentors
• Peer mentoring
• Professional development