Summer 2017
Invitation forFaculty & Students

Accepting Faculty-Student TEAMS*

10 week summer Research program at Furman University
(May 15- July 21)

Send inquiries to:
Karen Buchmueller:
karen.buchmueller@furman.edu
Tim Hanks
tim.hanks@furman.edu

Bring your own research or collaborate with Furman Faculty!

This program will provide the following:

• Student stipend: $5000
• Student housing supplement: $500
• Faculty stipend: $8000
• Research supplies: $1000
• Research space
• Access to departmental equipment
• Student registration and travel support
  the Southeast Regional ACS meeting

Visiting faculty may bring up to two students.

* This program is designed for participation by Faculty/Student Teams. Individual students cannot be accepted.
Furman Faculty

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

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

Tim Hanks: mechanisms of self-assembly and their use in supramolecular synthesis

Lon Knight: variety of schemes are used to generate, trap and study new radicals by ESR

Nick Kuklinski: development of separation systems to measure neurotransmitters in non-mammalian systems for correlation with learning and drug use and abuse

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

Greg Springsteen: evolving DNA aptamers through SELEX using a unique hairpin strategy

Paul Wagenknecht: development of photochemical molecular devices (PMDs)

John 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 13, 2017

Submit applications to: karen.buchmueller@furman.edu
(form available in December 2016)

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

Summer Activities

Students
- professional and technical workshops (academic credit possible)
- communication skill building
- science outreach project

Faculty & Students
- Superb laboratory facilities
- weekly lunch meetings
- invited seminar speakers
- social gatherings and events

Faculty Mentors
- peer mentoring
- professional development