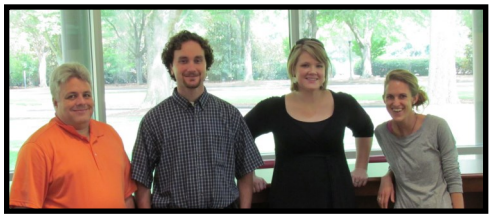
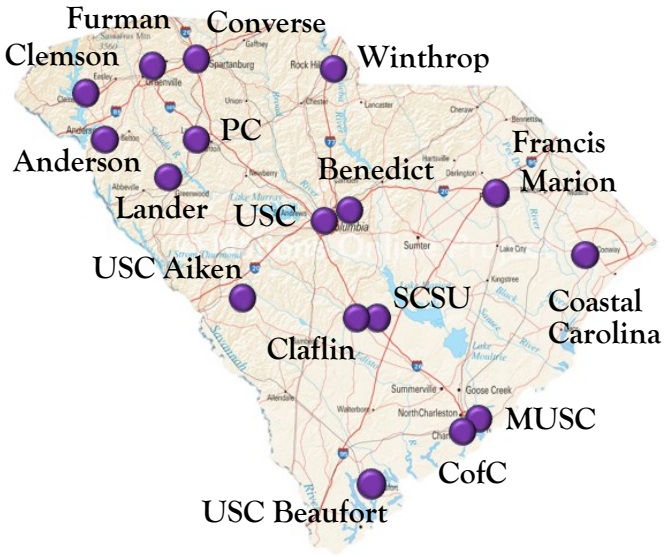


In 2015, the SC INBRE (IDeA Network of Biomedical Research Excellence) network received an $18 million NIH award. Consisting of the state's three comprehensive universities (USC, MUSC and Clemson) in collaboration with 13 partner and/or outreach institutions, this INBRE network will utilize these funds to expand biomedical research capacity throughout the state.

In an effort to strengthen the pipeline of SC K-12 students that are ready to engage in biomedical research and building upon the success of the Research Experience for Teachers (RET) program at Furman University, SC INBRE will support 35 teachers (over 5 years) through the network wide **SC INBRE Research Experience for Teachers (RET) Program**.

Researchers at all participating INBRE institutions **(see map)** will have the opportunity to directly engage teachers in their local community through in-depth 6-week research experiences. In addition to expanding their content knowledge in a specific field of research, the RET participants will translate their INBRE experience to modules (lesson plans) that will be delivered during the academic year.

SC INBRE Participating Institutions



Furman University

For more information including applications, listings of research projects and potential mentors; please contact:

John Kaup, PhD
SC INBRE RET Coordinator
Coordinator of Science Education
(Furman University)
864.294.3773
john.kaup@furman.edu

www.furman.edu/OIRS

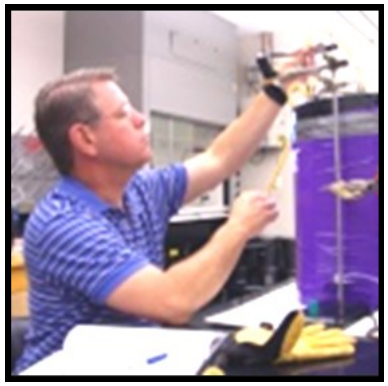
SC INBRE R E T

Research Experience for Teachers

SC INBRE

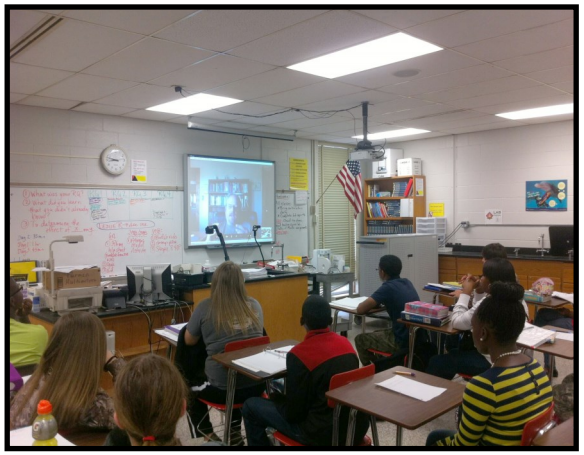
SC INBRE R E T

Research Experience for Teachers



Managed from Furman University, the SC INBRE RET will enable teachers to engage in a 6-week immersion research experience **at an institution in their local area**. These experiences (the first for many SC teachers) expose teachers to modern research methods and allow them to link their research activities to classroom activities designed to increase their students' knowledge and awareness of Science. Teachers will be directed in carrying out unique, individualized research projects resulting in scientific presentation at the RET poster session in July.

This program represents a full time commitment (~**40 hours per week**) and provides financial support (**$3,000 each**) to participants.



Program Objectives:

- Deepen content knowledge within specific discipline
- Increase understanding of research process (process skills)
- Through engagement Research Mentor and SC INBRE RET Coordinator, translate summer experience into module(s)/lesson plan(s) for academic year instruction
- Create and present research poster at Network RET Poster Session (July)
- Support module(s)/lesson plan(s) delivery through materials support (up to $500) and academic year visit(s) by RET Coordinator
- Deliver presentation (research or curricular focus) beyond summer poster session; district PD, SCAS, SCJAS , INBRE Annual Meeting

FURMAN

Research Topics

A complete listing of research projects and potential project mentors will be available in early January.

This list may include research opportunities in the following disciplines:

Biology	Biomedical
Chemistry	Computer Science
Engineering	Health Sciences
Mathematics	Neuroscience
Physics	Psychology

ED PD 662 (Optional)

Research Experience for STEM Teachers

Teachers selected for the research experience may register for 4-6 credit hours of recertification / professional development credit. Course serves to connect summer research experience with tangible teaching artifacts to bring back into the classroom. Course credit is offered through the Furman University Office of Graduate Studies.