

Science Education Research

Academic Learning Community

Biology at UGA (Andrews, Armstrong, Boegehold, Brickman, Carter, Hesse, Lemons, McCourt, Medlock, Miller, Moore, Segura-Totten, Stanger-Hall, Stanton)

Chemistry at UGA (Caughren, Pienta, Sumner) **Ag** (Thompson)

Physics at UGA (Weigert, Lewis) **Engineering** (Foutz, Navarro)

GRU (Gallman, Monteil, Russell) **Vet Med** (Brown, Moore)

COE (Cohen, Crawford, Glynn, Luft) North GA (Segura-Totten)



Who are we?

Started in 2008 with faculty hired in science departments to conduct education research (**discipline-based education research – DBER**).

Become one of the largest national clusters of DBER faculty in Biology, Physics, Chemistry, Statistics, and Engineering collaborating with classically trained science education research peers (**34 members total**)



What are our goals?

Share knowledge and research the effectiveness of student learning strategies for college students enrolled in STEM courses.

Engaged in collaborative research projects such as testing novel methods of assessment for critical thinking, interactive animations, incorporating more writing in the discipline, and training future faculty in these areas.

Fulfilling a Need

- Regional Teaching Institutes for STEM and Biology Faculty
- Mentoring Students (Research Experiences for Undergraduates; Graduate student projects)
- Collaborating on Research Projects and Grant Proposals

How do we keep it going?

- Listserv & Website <http://seercenter.uga.edu/>
- Common meetings according to group needs.
 - Biology group meets weekly to discuss research projects, get feedback on publications and grants
 - Larger group meets once a year to plan for goals for the year – this year we hosted a seminar series
- Collaborate with our local Center for Teaching and Learning to organize seminar speaker series on active learning

Contact Information

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