

Auburn University-College of Sciences and Mathematics

Tenure Track Position in Physics Education Research

The College of Sciences and Mathematics (COSAM) at Auburn University invites applications for a tenure-track, 9-month position at the level of Assistant Professor, with research interests in the area of physics education research (PER). The home department of the successful candidate will be COSAM's Department of Physics. COSAM has recently hired discipline-based education research (DBER) faculty in the Departments of Geosciences, Chemistry, and Biology and is eager to grow this developing DBER group within the college.

The successful candidate is expected to establish an extramurally funded PER program and collaborate with a growing cohort of researchers within the department and college on studying/transforming STEM higher education through basic and applied research methods and their assessment. Areas of interest include, but are not limited to, innovation of evidence-based, active-learning course development/delivery, efficacy of student-led teaching methods in the learning process within the physics classroom/lab, and research on human-technology interfaces/tools to improve learning in physics. Duties also will include teaching in the physics department at both the undergraduate and graduate levels and supervising graduate research.

A Ph.D. in physics at the time of employment, a record of scholarly accomplishments in science education research, and at least one year of research/teaching experience beyond the Ph.D. are required. The candidate selected for this position must meet eligibility requirements to work in the United States on the date the appointment is scheduled to begin (August 2019) and continue working legally for the proposed term of employment. The candidate must possess excellent written and interpersonal communications skills.

The physics department at Auburn University consists of 25 faculty, approximately 50 graduate students and 50 undergraduate physics majors. Research is in the areas of atomic molecular and optical physics, condensed matter physics, plasma physics, space physics, and biophysics. About 2,000 students each semester are taught in introductory physics. The department cares deeply about teaching and learning and uses evidence-based research to drive improvements in classroom best practices. The physics department is very supportive of education research as a discipline and welcomes this new addition to their faculty.

Auburn University is one of the nation's premier land, sea, and space grant institutions. In the 2018 edition of the *U.S. News and World Report* ratings of undergraduate programs, it was ranked 46th among public universities. Auburn is an institution that is both highly research-active and committed to maintaining teaching excellence offering Bachelor's, First Professional, Master's, Educational Specialist, and Doctor's degrees. Auburn maintains high levels of research activity and high standards for teaching excellence. Organized into 12 academic colleges and schools, Auburn offers more than 200 educational programs. A large and dynamic STEM program exists at Auburn, with close to 50% of total student instruction being based within STEM departments and sub-disciplines

Applicants should submit a cover letter, curriculum vitae, a detailed 2 to 3-page statement of the research plan, a 2-page statement of teaching philosophy, and names and contact information of three professional references when submitted electronically at <http://aufacultypositions.peopleadmin.com/postings/3066>.

Review of applications will begin 16 November 2018 and will continue until the position is filled. For more information please contact dber2@auburn.edu

Auburn University is an EEO/Vet/Disability Employer.