GRADUATE STUDIES in BIOLOGICAL SCIENCES

BIOLOGY EDUCATION

PURDUE
UNIVERSITY

www.bio.purdue.edu

In the **Biology Education Area,** we focus on improving the quality of biology education at Purdue and around the world with an interest in teaching and in teaching-related research. Our common goal is to promote high quality instruction and to enhance learning by applying educational research. Highly collaborative, this area transcends sub-disciplinary boundaries by working with other research areas to help answer discipline-specific questions related to teaching and learning.

Faculty and students who affiliate with other research areas may affiliate secondarily with Biology Education (and vice-versa). Therefore, members and affiliates of our area include:

- research-active faculty and graduate students who complement their discipline-specific research with educational innovation
- faculty whose primary role is now teaching
- faculty members and graduate students who primarily affiliate with the Purdue International Biology Education Research Group (PIBERG)
- non tenure-track instructors
- graduate students who are passionate about teaching

Members of our area participate in a range of interdisciplinary activities that attempt to promote student success in biology by improving study and teaching methods.

Scholarship in the Biology Education research area focuses on:

- developing Course-based Undergraduate Research Experiences (CUREs)
- innovating classroom and laboratory instruction to improve teaching and learning effectiveness
- promoting retention and graduation of graduate and undergraduate students in Biology
- faculty development
- education of and outreach to secondary school biology teachers

By highlighting what our faculty, graduate students, post-doctoral scholars, and other affiliates have been doing to promote student success in biology, the Biology Education Area is mobilizing the department, the university, and professional societies to educate the next generation to develop the advanced reasoning and problem-solving abilities that are so critical to new discoveries in the life sciences.