Services for science faculty:

1. Help faculty develop competitive proposals, with systematized emphasis on Broader Impacts

2. Recruit K-12 and community college students to the undergraduate program, emphasizing students from underrepresented groups

3. Organize and expand outreach efforts to all audiences

4. Support evidence-based teaching approaches and science communication skills by faculty, GTFs, and learning assistants

5. Collaborate in developing the undergraduate teaching track serving majors interested in teaching secondary science
We work to leverage K-12/outreach connections and education expertise…

Example Projects

• Partner with ATA STEM Lab School
  • Teacher Workshops
  • Graduate student roles (GK-12 model)
• Contribute to our library of teaching materials
  • E.g., table top scanning electron microscope
  • Offer remote access to scientific equipment
• Offer research internships for teachers, or future teachers
• Citizen science projects – involve students
• Partner with after school programs, museums, & local education-focused businesses and involve UO students

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“Broader impact is very strong, including mentoring in lab, undergraduates in lab, high school advisory board and inclusion of high school students in research, and STEM CORE participation for training high school teachers. No weaknesses were noted by the panel.”

“The broader impacts of the proposal are generally quite strong…. We appreciate the partnership with the university's STEM CORE program to facilitate effective outreach. The involvement of several undergraduates is commendable.”

“As a CAREER proposal, the broader impacts of the project, particularly those associated with education, should be extensive and excellent. Those proposed met these expectations. Contacts have been made with a STEM Laboratory middle school that serves an under-represented group. The project would develop a summer teacher workshop, followed by regular interactions during the year to develop curricula materials. Students would have access to the data being generated by the project and maintain blogs to develop their language skills. The curriculum would be based on state and national standards.”

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If you are considering a proposal, we encourage you to involve STEM CORE early in the process. Just as great research plans take time to develop, so too do great broader impacts plans!