



IUPUI

**STEM EDUCATION
INNOVATION AND
RESEARCH INSTITUTE**

SEIRI Faculty Associate

A SEIRI Faculty Associate serves as a leader in the IUPUI community by engaging in scholarly practices in science, technology, engineering, mathematics, or informatics education such as Scholarship of Teaching and Learning (SoTL) or Discipline-Based Education Research (DBER). Associates are expected to collaborate with SEIRI and support colleagues in their department and school. Associates should meet the qualifications below and will be expected to engage in the listed activities.

Qualifications and Criteria

- Hold a full-time faculty position in the School of Science, School of Engineering & Technology, or School of Informatics & Computing at IUPUI
- Sustained scholarly contributions in science, technology, engineering, mathematics, or informatics education
- Evidence of established and sustained securement of external funding for STEM education projects
- Evidence of mentoring graduate and/or undergraduate students in scholarly practices in science, technology, engineering, mathematics, or informatics education

Activities and Expectations

- Serve as a departmental and school leader seeking to cultivate an IUPUI culture that is open to continuous improvement and that values scholarly practice in STEM education
- Seek and secure external funding for STEM education projects
- Teach in ways that are consistent with research on learning
- Disseminate SoTL or DBER findings locally through IUPUI conferences and symposia
- Disseminate SoTL or DBER findings nationally through education or discipline-specific conferences
- Collaborate with other interested IUPUI colleagues with the aim of improving IUPUI STEM curricula across your school and department
- Serve and support SEIRI programming as appropriate

SEIRI Support

- Provide consultations regarding appropriate literature, research methods, or dissemination of findings
- Provide feedback on SoTL or DBER-related external grant applications to agencies such as the National Science Foundation or National Institutes of Health
- Develop an evaluation plan for a pilot study or an external grant
- Collaborate on the education research component of a study or external grant
- Publicize accomplishments through various strategies, including notifications in the SEIRI newsletter, updates in SEIRI reports to external audiences, and other forms of recognition
- Reimbursement for up to \$1000 per year to support STEM education-related activities, including:
 - Conference travel or attendance
 - Publication costs