Position Announcement

Postdoctoral Associate / Research Scientist Science Education

Michigan Technological University (Houghton, MI) is searching for one or more researchers specializing in science education research. The successful candidate will become a part of a vibrant team of researchers that are developing and implementing a NGSS-aligned middle-school science curriculum and associated teacher training and professional development

The position(s) will be available for up to two years and are supported by a grant from the Herbert H. and Grace A. Dow Foundation. For more information about the initiative, visit the project website at http://mi-star.mtu.edu.

Applicants are expected to have completed a PhD prior to their intended start date. The successful candidate will have experience in educational research and/or evaluation of science education interventions, a desire to collaborate across disciplines, and an interest in studying the effects of reform-based curriculum on student motivation and academic performance.

The successful candidate will be expected to prepare academic publications, supervise graduate students drawn from multiple academic disciplines, work independently and as part of a team, and manage multiple competing deadlines. Preference will be given to applicants whose qualifications include one or more of the following: experience with assessment of science content and practices, STEM-education related research and publication history, experience with the Next Generation Science Standards, familiarity with statistical techniques such as regression-based and matching methods, and capability to work collaboratively with pre-college educators. Good time-management skills and diplomatic demeanor are essential qualities.

To apply, please submit to Dr. Chris Wojick (clwojick@mtu.edu):

- a cover letter describing relevant background and interests;
- a current curriculum vita; and
- the names of three academic professional who are willing to serve as references.

Applications will be reviewed in the order received and review will continue until the position(s) are filled.

Responsibilities of the position will include:

- Participate in completion of the development of a new, NGSS-aligned middle-school curriculum,
- Coordinate the review and pilot testing processes for the new curriculum,
- Assist in the design of three-dimensional assessments of student capabilities in science practices, content knowledge, and cross-cutting concepts
- Assist in the design and implementation of research related to student and teacher learning,
- Coordinate with participating school districts throughout the state of Michigan,
- Publish results with team members in peer-reviewed journals,
- Assist with new proposal development,
- Supervise graduate students' project-related work,
- Work effectively with staff and faculty from multiple institutions and academic disciplines.

Required qualifications:

- PhD in Learning Sciences, STEM education, or equivalent experience,
- Research and/or evaluation experience in STEM education,
- Demonstrated experience with relevant statistical methods,
- Demonstrated publication history,
- Willingness to travel occasionally within Michigan.