

Postdoctoral Position: Biology Education Research at the University of Washington

The UW Biology Education Research Group (BERG) seeks candidates with strong quantitative analysis skills for a full-time postdoctoral position to evaluate the effectiveness of an institution-wide faculty development project:

CAUSE for transformation: The Consortium for the Advancement of Undergraduate Student Education project. CAUSE is an NSF-funded project that will be comprised of faculty from seven major undergraduate departments (Biology, Chemistry, Physics, Mathematics, Psychology, Computer Science, Public Health). The core of the program is a 2-year Exploration and Implementation experience that helps participants learn evidence-based teaching methods, supports them during initial implementation of the methods, places them in a community of practice, and provides “graduates” with opportunities for professional advancement as a CAUSE Fellow.

The position will be under the supervision of Drs. Mary Pat Wenderoth and Jennifer Doherty in the UW Biology Department and Dr. Deborah Wiegand in the UW Chemistry Department. The postdoc will have opportunities to collaborate with a diverse network of faculty, postdocs, and graduate students—locally through the UW DBER community and nationally through participation in meetings such as the Society for the Advancement of Biology Education Research (SABER).

Candidates must have:

- a Ph.D. (or foreign equivalent) in a STEM discipline, STEM education, public health, statistics, measurement or a closely related field completed in the last three years
- strong quantitative analysis skills
- success in publishing and presenting research findings
- demonstrated interest in education research
- excellent organizational, interpersonal, and communication skills

Preference will be given to candidates who have, or are willing to acquire, expertise in the following:

- faculty development
- Bloom analysis of exams
- classroom observation protocols (i.e., PORTAAL)
- project management
- web-based data collection and database management

The postdoctoral fellow responsibilities include:

- collection and management of databases for student demographic information, PORTAAL scores, Bloom scores, student exam performance, and ATI, SCII, ETLQ survey results
- quantitative analysis
- assistance with the bi-weekly faculty development meetings of the CAUSE fellows
- project logistics
- training and mentoring undergraduate research assistants
- creating annual reports for each CAUSE fellow with a summary of PORTAAL scores, Bloom scores and observed achievement gaps in exam performance
- being lead author on research publications and meeting presentations

The position is full-time (100% FTE) 12-month appointment with a salary of \$47,484, including benefits (Research Associate, UW Job Code 0148). The position is intended to be a two or three-year position, contingent upon satisfactory performance, available funding and university policies.

To apply, send (1) a cover letter, (2) a one-page summary of your education research interests, and (3) a curriculum vitae to doherty2@uw.edu in one PDF file named “CAUSE Postdoc LastName FirstName.pdf”. Please be ready to provide telephone numbers of three references and a sample publication if requested. Review of applications will begin **Sept 1, 2017**; applications will be reviewed until the position is filled. The ideal starting date is **November 2017**, but is negotiable.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information. All University of Washington faculty engage in teaching, research and service.