Miami University, Department of Chemistry & Biochemistry, Oxford, OH
Post-doctoral Fellow in Chemistry Education Research (CER)

To work with Dr. Stacey Lowery Bretz, Volwiler Distinguished Research Professor, in the field of chemistry education research to design, conduct, and publish research on students’ understandings of multiple representations in courses beyond general chemistry (i.e., organic, biochem, inorganic, analytical, etc.) and to mentor CER graduate students and undergraduate students.

Required: Ph.D. in CER, science education, chemistry, or related discipline by August 2013; experience conducting chemistry education research or science education research. Desired: expertise in a chemistry discipline beyond general chemistry; expertise in quantitative research methods, and/or inquiry instruction; strong communication, writing, and interpersonal skills.

This is a 12-month position with a start date of no later than August 1, 2013, but the successful candidate can start as early as February 1, 2013. The appointment is renewable for a second year dependent upon funding and performance.

The Bretz CER Group develops concept inventories focused on students’ understandings of multiple representations, investigates factors affecting meaningful learning in the undergraduate chemistry laboratory, including the design of inquiry experiments, and investigates children’s understanding of ‘chemicals.’ More information about the Bretz CER Group can be found at chemistry.miamioh.edu/bretzsl.

Candidates should submit
(1) a letter of interest describing their qualifications,
(2) a curriculum vita detailing their teaching and research experiences,
(3) a 1-2 page statement discussing potential research questions around multiple representations beyond general chemistry, and
(4) request that three letters of reference be sent directly to Dr. Stacey Lowery Bretz.

All these materials should be submitted electronically to bretzsl@miamioh.edu. Screening of applications begins January 22, 2013 and will continue until the position is filled. Miami University is an EOE/AA employer with smoke-free campuses. Right to Know – Consumer Information – http://www.miami.miamioh.edu/about-miami/publications-and-policies/student-consumer-info/index.html. Hard copy upon request.