Post-Doctoral Fellow

For STEM Education and Computational Thinking Project at Northwestern
http://ct-stem.northwestern.edu/

Northwestern University (NU) School of Education and Social Policy seeks applicants for a **postdoctoral fellow** in the learning sciences. The candidate will be part of a team of researchers, faculty, and teachers involved in a newly funded initiative by the Spencer Foundation. The goal of this broaden participation in computing fields, increase student interest in STEM fields, and bring STEM curriculum more in line with science as it is practiced in the 21st century. In this effort we will develop, implement, and evaluate computational activities for high school and middle school STEM classrooms. The project will focus primarily on under-resourced schools and underrepresented youth to improve the equity of and access to the highest quality educational materials.

This position provides opportunities for in-depth qualitative and quantitative research in schools. Successful candidates will be comfortable conducting research in school and classroom environments and coordinating with teachers and administrators. The candidate will be part of a collaborative research team involving Northwestern faculty from learning sciences and computer science. This is a dynamic and vibrant collaborative environment comprised of faculty, post-docs, students, computer programmers, modelers, and curriculum developers.

The candidate would co-supervise the work of graduate students and staff, publish research papers, contribute to grant writing and materials development, work closely with implementing schools, and help shape the overall scope and direction of the research. There will be close mentorship from the Co-PIs (Uri Wilensky, Michael Horn, Kai Orton and Kemi Jona) as well as opportunities to learn from other truly outstanding senior scholars and practitioners. Fellows will fully participate in research laboratories: Center for Connected Learning and Computer-Based Modeling (CCL) and Tangible Interaction Design and Learning (TIDAL) Lab.

A successful candidate will have a doctorate in learning sciences or a related field (e.g., science education, computer science education), strengths in research methods, have a science background, good communication skills, experience with classroom-based research, and a strong writer. Preference will be given to applicants with expertise in computational learning and work with middle or high school teachers and students.

Start date is as soon as possible and expected duration of the post-doctoral fellowship is two years with possibility of renewal for a third. To apply, please send a cover letter, CV, sample publications and names and contact info for three references to ct-postdoc@ccl.northwestern.edu. Application review will begin immediately and continue until the position is filled.

Northwestern is located in an attractive lakefront community adjacent to Chicago. For more information about the School of Education and Social Policy, please visit http://www.sesp.northwestern.edu/ . Minorities and women are strongly urged to apply.