Applications are invited for a post-doctoral researcher in the Physics Department at Cornell University. The successful candidate will participate in the redesign and evaluation of the introductory physics labs supported by a Cornell University Active Learning Initiative grant held by the physics department.

**Job description:**

The successful candidate will take a leading role in the implementation and evaluation of the new physics labs for two introductory calculus-based course sequences (engineering and honors, 6 courses total). Four courses have already been implemented, so the focus in the third year will be on the final implementations and long-term sustainability (TA training, documentation, etc.). They will also work with Dr. Holmes and student researchers to assess the program through analysis of surveys and other assessments, interviews, focus groups, and in-lab observations.

Discipline-based education research is growing at Cornell, with faculty and collaborators in physics, biology, and other STEM fields, as well as a number of new teaching postdocs, graduate and undergraduate students. The successful candidate will have an opportunity to mentor and work with many individuals, including collaborating with other teaching postdocs with Active Learning Initiative programs across campus.

**Logistics:**

- **Employer:** Cornell University
- **Location:** Ithaca, NY – possibility for remote work that would involve extensive visits to Ithaca
- **Start date:** Spring 2019.
- **Time commitment:** Prefer full-time, but will be flexible for the right candidate.
- **Length of appointment:** One year.
Preferred qualifications include any of the following:

- Ph.D. in physics education research, physics or astronomy, or closely related field
- Experience with relevant literature and education research methods: expertise in qualitative or quantitative research methods would be relevant
- Ability and desire to work collaboratively, mentor graduate and undergraduate students, and to also work independently
- Project leadership, time management, communication, and writing skills
- Experience with curriculum development, teaching assistant training, or faculty development
- Enthusiasm to learn new methods, bodies of literature, etc.

To apply:

Submit a CV, cover letter, and a brief teaching/research statement including relevant background and experiences in lab development, TA training, or PER generally, as well as the names and email or phone contacts of three professional references to Dr. Natasha Holmes at ngholmes@cornell.edu. Please also contact Dr. Holmes with any questions.

Diversity and inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.