

## Postdoctoral Fellow at the University of Central Florida

### General description of position:

Applications are invited for a post-doctoral level position to join the Chini Physics Education Research Group at the University of Central Florida. Our research group explores the implementation of evidence-based teaching practices at diverse institutions and with a variety of student populations. Current projects include 1) exploring differences in the success of studio-mode instruction across institutions and 2) investigating the experiences of students with executive function disorders in active learning physics and chemistry courses and improving those experiences through instructor training on Universal Design for Learning. The Chini group includes three graduate and three undergraduate students; the UCF PER group includes a second tenure-track faculty member. More details are available at <http://physics.cos.ucf.edu/chiniperg>.

This is an initial 12-month appointment, with potential renewal for a second year. The successful candidate will participate in extensive personalized professional mentoring as part of UCF's Preeminent Postdoctoral Program. Professional development activities may include training on and participation in grant writing, training in mentoring and scaffolded mentoring of students, participation in the STEM Education Reading Group, and participation in the UCF iSTEM Faculty Fellows program (for disciplinary faculty working on education projects).

### Job description:

The successful candidate will collaborate on existing projects and have some freedom to lead new research directions. Duties will include qualitative and/or quantitative data collection and analysis, preparing manuscripts for physics and STEM education journals, presenting at related conferences, and supporting graduate and undergraduate physics education researchers. Opportunities to teach are likely available if desired.

The candidate is expected to start by June 30, 2017. The salary is \$50,000 plus benefits.

### Required minimum qualifications:

Ph.D. in Physics, Physics Education Research, or a closely related field by June 30, 2017; familiarity with discipline-based education research methodologies; a demonstrated ability to collaborate with others and work independently.

### Preferred qualifications:

Demonstrated experience with one or more of the following: using qualitative and/or quantitative research methods; analyzing qualitative and/or quantitative data; instrument development and assessment; developing interview protocols; strong oral and written communication skills.

### Special instructions to applicants:

Applications are accepted through [www.academicjobsonline.com](http://www.academicjobsonline.com) for position #888 (direct link: <https://academicjobsonline.org/ajo/jobs/8888>).

For full consideration, candidates must upload the following documentation **by Sunday March 5<sup>th</sup> 2017**:

1. A cover letter explaining why you are interested in the position, how you meet the required and preferred qualifications, your research interests, and how this position is consistent with your academic trajectory;
2. A current CV, including a complete list of their publications;
3. A Teaching Statement, describing your teaching philosophy and experiences;

4. A Research Statement, describing your relevant background and interest in physics education research;
5. Copy of your transcripts (official transcripts will be needed before hiring can be finalized);
6. The names and e-mail contacts of three professional references.

Please contact Jackie Chini at [jchini@ucf.edu](mailto:jchini@ucf.edu) for questions.

**Additional Information:**

The University of Central Florida is currently the second largest school in the United States by student enrollment. UCF is located in sunny Orlando, Florida.