



Cornell University
Cornell High Energy
Synchrotron Source

October 5, 2022

Post-doctoral Associate at CHESS

The Cornell High Energy Synchrotron Source (CHESS) at Cornell University is seeking a Postdoctoral Associate interested in using advanced x-ray spectroscopy to study chemistry, biochemistry, materials science, and catalysis. This position is based at the Photon-in photon-out X-ray spectroscopy (PIPOXS) beamline and focuses on using x-ray absorption and emission spectroscopy to answer questions in chemical catalysis. Successful candidates will be expected to work both collaboratively and independently on research projects and toward developing and expanding beamline capabilities—including methods for sample delivery and data processing / analysis. Candidates will also help in supporting the user program at PIPOXS. The initial appointment will be for one year, with the expectation of renewal on a yearly basis with satisfactory performance and funding availability for an additional two years.

Requirements:

- A PhD in physics, chemistry, biophysics, or comparable fields
- Record of impactful scientific publications
- Desire to work in a multidisciplinary research environment, interacting with researchers at all levels, including students and facility users
- Proficiency in science communication, written and oral, formal and informal

Assets:

- Experience using x-ray absorption and/or emission spectroscopy
- Experience with advanced instrumentation at synchrotron lightsource facilities
- Experience performing quantum chemical calculations, e.g. DFT
- Programming experience, particularly in Python and SPEC

Located on an Ivy League university campus in picturesque upstate New York, CHESS serves a world-wide community of materials researchers, biologists, chemists, physicists, and engineers. It is a National Science Foundation-supported research center dedicated to novel studies in the materials, biological, and engineering sciences and to developing novel x-ray technology and has a strong service and team-oriented environment.

Applications should be submitted at <https://academicjobsonline.org/ajo/jobs/23155> and should include a cover letter, a CV, a list of publications, a detailed summary of research experience and

interests. Applicants must arrange to have at least three letters of recommendation uploaded, as per instructions on the academicjobsonline website. For information about the position, contact Dr. Chris Pollock at cjp227@cornell.edu.

Diversity and Inclusion are a part of Cornell University's heritage. The College of Arts and Sciences at Cornell embraces diversity and seeks candidates who will create a climate that attracts students and faculty of all races, nationalities, and genders. We strongly encourage women and underrepresented minorities to apply. Cornell University is a recognized EEO/AA employer and educator, valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.