

## Postdoctoral Associate at CHESS

January 2022

*Cornell University embraces diversity and seeks candidates who will contribute to a climate that supports students, faculty and staff of all identities and backgrounds. If you don't meet 100% of the job qualification, but see yourself contributing, please submit an application. We strongly encourage individuals from underrepresented and/or marginalized identities to apply. 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.*

Effective January 1, 2022, all new Cornell hires, regardless of role and work location, must be fully vaccinated and present proof of an FDA- or WHO- authorized or approved COVID-19 vaccination or have a university-approved disability/medical or religious exemption. Failure to demonstrate compliance with this requirement prior to the first day of work will result in the delay of employment with Cornell and may result in the offer of employment being rescinded.

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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/21044> 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](mailto:cjp227@cornell.edu).

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. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.