



Staff Scientist at QM2 Beamline

May 2021

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 job qualifications, but see yourself contributing, please submit an application. We strongly encourage individuals from underrepresented and/or marginalized identities to apply. We're a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

CHESS is seeking a staff scientist to lead the science mission of the QM² beamline, and to support the user community performing research in the field of quantum materials. The Cornell High Energy Synchrotron Source (CHESS) provides users state-of-the-art synchrotron radiation facilities for research in physics, chemistry, biology, environmental sciences, materials science, cultural heritage, and engineering.

The QM² beamline is dedicated to both resonant and high-energy scattering studies of quantum materials (<https://www.chess.cornell.edu/users/qm2-beamline>). The beamline is part of the Center for High Energy X-ray Science (CHEXS) at CHESS, which is an NSF-funded multidisciplinary center dedicated to fundamental research enabled by high energy x-rays.

Responsibilities:

- Support the enthusiastic quantum materials user community at CHESS
- Foster new collaborations and new research directions
- Contribute to the development of new synchrotron methods and techniques
- Communicate research through publications and conference presentations
- Mentor students and postdocs to train the next generation of synchrotron experts

Essential Qualifications:

- Ph.D. or equivalent in materials science, chemistry, physics, engineering, or related
- Minimum 1-year post-PhD experience
- Interest and ability to work in a multidisciplinary research environment
- Record of impactful scientific publications
- Ability to work effectively with technical and scientific staff, students, and users
- Proficiency in science communication, written and oral, formal and informal

Preference will be given to applicants with a background in materials physics research using large user facilities. Experience analyzing large experimental datasets is also an asset. We seek individuals who can make a significant long-term contribution to scientific research at CHESS. For further information about the position, please contact Jacob Ruff (jruff@cornell.edu).

Applications received before August 1, 2021 are guaranteed full consideration.

Applications should be submitted on AcademicJobsOnline: <https://academicjobsonline.org/ajo/jobs/18908>

A complete application will include the following material:

1. Cover letter
2. Curriculum Vitae
3. List of Publications
4. Statement of Research Interests, summarizing scientific accomplishments, instrumentation and method contributions, and ideas for future development of synchrotron science, technology, and user communities.
5. Three (3) letters of recommendation.

Cornell provides great benefits that include comprehensive health care options, generous retirement contributions, educational benefits (Employee Degree, Tuition Aid, Cornell Children's Tuition Assistance Programs), access to wellness programs, and employee discounts with local and national retail brands. Our leave provisions include three weeks of vacation and 13 holidays, including winter break from December 25th through January 1st.

Cornell has been nationally recognized as an award-winning workplace for our health, wellbeing, sustainability, and diversity initiatives. For more information, follow the link: [Benefits at Cornell](#).