**Joint Faculty and Research Scientist Position in Theoretical/Computational Quantum Condensed Matter and Atomic Molecular and Optical Physics**

The Department of Physics at New York University, jointly with the Center for Computational Quantum Physics (CCQ) of the Simons Foundation's Flatiron Institute, invites applications for a position in the general area of theoretical/computational quantum condensed matter and atomic molecular and optical physics. The position is a 50-50 joint appointment between New York University and CCQ, with the appointee spending half of her or his effort in each place. At NYU the opening is at the tenure track Assistant Professor level and, at CCQ, it is at the Associate Research Scientist level. The position is based at the Simons Foundation and NYU offices in New York City. It is expected that, subject to satisfactory progress in research, the Associate Research Scientist Appointment will continue for the duration of the NYU untenured faculty appointment.

A Ph.D. in physics or a closely related field is required, and candidates will typically have 1-6 years of postdoctoral research experience, although more senior candidates may be considered in exceptional circumstances. The responsibilities for this joint position include but are not limited to: establishing a leading research program with a significant computational component; teaching at the undergraduate and graduate levels at NYU; contributing to the scientific activities at the Flatiron Institute by assisting with the organization of CCQ-related conferences, workshops group seminars and summer programs, and to supervise research conducted by Flatiron Research Fellows and summer interns.

The holder of this joint appointment may be eligible for consideration for promotion to a full time NYU tenured professorship according NYU's standard policies and procedures. A part time CCQ appointment might also be possible post NYU tenure.

In order to be considered for this joint appointment, candidates must submit their application in two places:

to NYU at

https://apply.interfolio.com/58122

and to CCQ at

https://simonsfoundation.wd1.myworkdayjobs.com/simonsfoundationcareers/job

The application materials should include a letter describing current and planned research and teaching activities, a curriculum vitae, list of publications. The NYU application should include the names and contact information of three references. The candidate should also have these three references letters emailed directly to CCQ at ccqjobs@simonsfoundation.org.

Because diversity is important to our institutions, the letter describing research and teaching activities, should include a brief paragraph telling us how diversity figures into the applicant's past and present teaching, research, community engagement, and/or life experience, as well as how the applicant would bring issues of diversity to bear on the teaching and programming of NYU's Department of Physics.

Review of applications will begin on or about December 15, 2018.

**MINIMUM QUALIFICATIONS**

**Education**

A successful candidate will have a Ph.D.  in physics or a related discipline. One or more years of postdoctoral research experience is desirable.

**Required Experience**

- Demonstrated abilities in establishing a leading research program in theoretical quantum condensed-matter physics, atomic, molecular, and optical physics or a related field, embracing the opportunities offered by a joint position between NYU Physics and CCQ. This research program should include a significant computational component.
- Ability to teach effectively at both the undergraduate and the graduate level.
- A record of excellence in scientific publication

More information about NYU Physics Department's research programs can be found at http://physics.as.nyu.edu.The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the FAS commitment to diversity, equality and inclusion, please read here. (http://as.nyu.edu/content/nyu-as/as/administrative-resources/office/dean/diversity-initiative.html). EOE/Affirmative Action/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity.

Directed by Antoine Georges and co-directed by Andrew Millis, the CCQ is a leading international center for the study of quantum physics and its applications to condensed matter physics, materials science, chemistry and related fields. The development of the concepts, algorithms and code libraries needed to advance the field is fundamental to

the work of the center. The CCQ is expected to grow to about 50 staff members, comprising scientists at various career stages, from recent Ph.Ds. through senior scientists, software engineers and support staff. The institute has a vigorous visitor program and interacts strongly with scientists from neighboring institutions. Additional information about CCQ is available at https://www.simonsfoundation.org/flatiron/center-for-computational-quantum-physics/.

The Simons Foundation's Diversity Commitment:
Many of the greatest ideas and discoveries come from a diverse mix of minds, backgrounds and experiences, and we are committed to cultivating an inclusive work environment. The Simons Foundation provides equal opportunities to all employees and applicants for employment without regard to race, religion, color, age, sex, national origin, sexual orientation, gender identity, genetic disposition, neurodiversity, disability, veteran status or any other protected category under federal, state and local law.