FLATIRON INSTITUTE
Division of Simons Foundation

Researcher (Joint Position with NYU CNS), Center for Computational Neuroscience

The Center for Neural Science (https://www.cns.nyu.edu/) at New York University (NYU), jointly with the Center for Computational Neuroscience (CCN) at the Flatiron Institute of the Simons Foundation, invites applications for an open rank joint position, with a preference for junior or mid-career candidates. We seek exceptional candidates that use computational frameworks and methods to develop concepts, models, and tools for understanding brain function. Areas of interest include sensory representation and perception, memory, decision-making, adaptation and learning, and motor control.

During the academic year 2021-2022, the position will initially be a full-time position at NYU. Beginning academic year 2022-2023, the position will become a joint appointment between NYU and CCN, with the appointee spending half time in each location (both in lower Manhattan). The NYU position is a tenure-line faculty position at the Assistant, Associate, or full Professor level depending on the candidate's background and experience. The holder of an Assistant level appointment will be considered for promotion to a tenured Associate professorship according to NYU's standard policies and procedures. The corresponding position at CCN may be Associate or Full Research Scientist, or Group Leader, again depending on candidate experience. The initial appointment is for three years, and is renewable, subject to satisfactory progress in research.

A Ph.D. in a relevant field, such as neuroscience, engineering, physics or applied mathematics, is required. The responsibilities for this joint position include but are not limited to: establishing a research program with a significant computational component; participating in the international neuroscience research community; teaching at the undergraduate and graduate levels at NYU; contributing to the scientific culture and activities at the Flatiron Institute by collaborating with other researchers, hiring and supervising junior researchers, and assisting with the organization of CCN-related conferences, workshops, group seminars and summer programs.

Review of applications will begin 28 March 2021.

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

To NYU at: https://apply.interfolio.com/83845

To CCN at:
https://simonsfoundation.wd1.myworkdayjobs.com/en-US/simonsfoundationcareers/job/162-Fifth-Avenue/Researcher--Joint-Position-with-NYU-CNS---Center-for-Computational-Neuroscience_R0000761

Application materials should include a brief cover letter, a statement describing current and planned research and teaching activities, a curriculum vitae including a list of publications, and names and contact information for three references.

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Because diversity and inclusion are an important part of the NYU mission, candidates should include a paragraph in their cover letter indicating how diversity and inclusion figure into their past, present, and future teaching, research, and community engagement. (Additional information can be found here: http://as.nyu.edu/departments/facultydiversity/recruitment/diversity-statements.html).

All applications will be reviewed by a joint committee consisting of members from CNS and CCN.

MINIMUM QUALIFICATIONS

Education

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

Experience

- Demonstrated abilities in establishing a neuroscience-related research program, embracing the opportunities offered by a joint position between NYU CNS and CCN. The research program must include a significant computational component.
- A record of excellence in scientific publication.
- Ability to teach effectively at both the undergraduate and the graduate level.
- Strong oral and written communication skills, supporting collaboration and cooperation across traditional disciplinary boundaries.
- Knowledge of software development and dissemination, either for scientific simulation, model fitting, experimental design, or analysis of modern high-throughput experimental data acquisition, is desirable.

About NYU

More information about NYU Center for Neural Science can be found at https://as.nyu.edu/content/nyu-as/as/departments/cns.html. 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.

About the Flatiron Institute

The Flatiron Institute (https://www.simonsfoundation.org/flatiron) is a major, new internal scientific unit of the Simons Foundation. It consists of five Centers – Astrophysics, Quantum Physics, Mathematics, Biology, and Neuroscience) each focused on the computational aspects of a particular area of basic science. It aims to generate original scientific discoveries, along with new computational infrastructure supporting and enabling such discoveries by the community at large.

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The newly formed Center for Computational Neuroscience aims to develop models, principles and conceptual frameworks that deepen our knowledge of brain function — both in health and in disease. CCN takes a “systems" neuroscience approach, building models that are motivated by fundamental principles, that are constrained by properties of neural circuits and responses, and that provide insights into perception, cognition and behavior. This cross-disciplinary approach not only leads to the design of new model-driven scientific experiments, but also encapsulates current functional descriptions of the brain that can spur the development of new engineered computational systems, especially in the realm of machine learning.

Simons Foundation 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 actively seeks a diverse applicant pool and encourages candidates of all backgrounds to apply. We provide 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.