

**Assistant Professor Position in Computational Mathematics and Physics
Tenure-Track Joint Position
Department of Mathematics and the Department of Physics
New York University Arts and Science and the Courant Institute for Mathematical
Sciences**

New York University seeks applicants for two faculty positions in computational mathematics and physics, each of which will be a 50/50 joint appointment between the Department of Mathematics and the Department of Physics. These are the first appointments in a larger, multi-year Integrated Science Initiative that will build on NYU's collaborative culture by recruiting faculty whose research makes explicit connections between departments and promises synergistic advances in fields ripe for cross-boundary breakthroughs. Within the Physics Department, we anticipate that one of the new faculty members will join the Center for Cosmology and Particle Physics (CCPP) and the other will join the Center for Soft Matter Research (CSMR).

The Department of Mathematics, part of the Courant Institute for Mathematical Sciences, has a long and distinguished history in both pure and applied mathematics, with an impressive record of accomplishments in applications to Physics. Both CCPP and CSMR are leading research centers in their respective fields, and include faculty who already are collaborating with members of the Courant Institute. The CCPP currently has eighteen faculty members who work in astrophysics, cosmology and particle physics. Through this new faculty position, we wish to substantially broaden the research being done in CCPP to include geophysics, geochemistry, geobiology, planetary, and/or exoplanetary science using cutting-edge computational and mathematical techniques, to support future anticipated growth in these areas. CSMR currently has ten faculty members pursuing research at the interface between physics, chemistry, biology and engineering, using laboratory, theoretical, and computational tools. By hiring in the overlaps between Courant, CCPP, and CSMR we seek to build programs in cross-disciplinary research areas such as climate change, the origin of life, or other fields.

More information about current research programs in the Department of Physics and its centers can be found online at <https://physics.nyu.edu>, and for the Department of Mathematics at <https://math.nyu.edu/>.

The openings are at the rank of tenure-track Assistant Professor. The successful candidates will have a Ph.D. and are expected to establish a leading research program in their field. The candidates will be expected to teach at the undergraduate and graduate levels, with the equivalent of half the standard load at each department. The appointment can begin as early as September 1, 2024, pending administrative and budgetary approval.

Application Instructions

Interested candidates should apply via Interfolio apply.interfolio.com/135586 with the following:

- (1) a curriculum vitae including a list of publications,
- (2) a description of current and planned research activities,
- (3) a discussion of current and planned teaching and outreach activities,
- (4) the names of three references, and
- (5) a cover letter applying for the position.

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: <https://as.nyu.edu/departments/facultydiversity/recruitment/diversity-statements.html>)

Applications received on or before November 27, 2023 will receive full consideration.

Both Arts and Science and the Courant Institute for Mathematical Sciences are at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber that 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, see: <https://as.nyu.edu/departments/facultydiversity.html>.

Pay Transparency Statement

In compliance with NYC's Pay Transparency Act, the annual base salary range for this position is \$100,000 - \$150,000. New York University considers factors such as (but not limited to) the scope and responsibilities of the position, the candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

Qualifications

The successful candidates will have a Ph.D. and are expected to establish a leading research program in their field. The candidates will be expected to teach at the undergraduate and graduate levels, with the equivalent of half the standard load at each department.

Equal Employment Opportunity Statement

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr

NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status, predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Sustainability Statement

NYU aims to be among the greenest urban campuses in the country and carbon neutral b