



2024 NYSCF Summer Internship Laboratory Research Track

The New York Stem Cell Foundation (NYSCF) Research Institute is a rapidly growing and highly successful nonprofit whose mission is to accelerate cures through stem cell research. Since our founding in 2005, we have advanced cutting-edge stem cell research in our own laboratory and through support for talented scientists at other institutions.

NYSCF is seeking applications for talented Laboratory Research Interns to spend 10 weeks at the NYSCF Research Institute Laboratory engaged in a research project that align with their disease area interests under the guidance of one of our laboratory scientists. Upon arrival, NYSCF will provide all required site-specific safety training.

Past internships have been offered in the research teams of:

- Parkinson's disease
- Multiple sclerosis
- Alzheimer's disease
- Functional genomics
- Macular degeneration
- Diabetes
- Women's reproductive cancers

Prospective interns are matched with mentors based on available projects, relevant experience, and common scientific interests. Please indicate your field(s) of interest in your essay questions and cover letter. Depending on the project, interns will perform a variety of molecular biology techniques, stem cell biology and cell culture techniques, and data acquisition, imaging, and analysis.

For more information and application requirements, please visit:

[**https://nyscf.org/summer-internship**](https://nyscf.org/summer-internship)

All applications and supplementary material must be submitted via our online portal by:

January 5, 2024, 5:00pm Eastern

PROGRAM DETAILS

The NYSCF Summer Internship Program will run 10 weeks; June 3, 2024 – August 9, 2024, 5 days per week 9:30am – 5:30pm Eastern (excluding holidays). **For Summer 2024, Laboratory Research interns will primarily join us onsite at The NYSCF Research Institute in New York City.** Laboratory Research internship opportunities are onsite only at this time.

All interns will participate in a comprehensive curriculum designed to broadly expose interns to all functions of the organization and the field of stem cell research.

Candidates must be able to attend the full program.

This is a paid position, with the following structure:

- Undergraduates - \$18/hour
- Recent graduates (of an undergraduate program) - \$19/hour
- Graduate students - \$20/hour

DIVERSITY, EQUITY, INCLUSION, AND BELONGING

NYSCF is committed to fostering diversity, equity, inclusion, and belonging (DEIB) in STEM. Overcoming the impact of systematic racism, sexism, and other discrimination that has systematically marginalized certain groups from STEM research is critical for a productive, innovative scientific community. NYSCF strongly encourages applications from applicants of all ethnicities, cultures, religions, nationalities, abilities and disabilities, sexes, gender identities, sexual orientations, geographic locations, and socioeconomic statuses.

We invite all applicants to voluntarily self-identify their race and gender. Submission of the information on this form is strictly voluntary and any responses (or non-responses) to this section will not affect the review of your application.

ELIGIBILITY CRITERIA

To be eligible, candidates must:

- Be currently enrolled as a full-time undergraduate or graduate student at an accredited institution, and also have completed at least one year as a matriculating undergraduate student at the time of internship. Recent college graduates and graduate students are also welcome to apply.
- Be a United States Citizen or Permanent Resident Alien at the time of applying or a foreign applicant with appropriate visa documentation, as required by U.S. Immigration, valid for the course of the Internship.
- Be 18 years or older at the time the internship begins (June 3, 2024).
- Be pursuing a Life Science major (e.g. Biology, Biochemistry, Biomedical Engineering, PreMed), or have demonstrated completion of general Biology courses.
- Have high proficiency in both Mac and PC computer, Microsoft Word, Excel, PowerPoint.

NYSCF prefers candidates also:

- Maintain an undergraduate cumulative minimum Grade Point Average (GPA) of 3.0 on a 4.0 scale for all completed courses as a matriculating student.
- Have previous laboratory experience outside of labs during coursework experience.
- Have experience with mammalian cell culture.
- Have experience with molecular biology techniques (PCR, gel electrophoresis, etc.).

APPLICATION DETAILS

The application components include:

- Contact and other relevant administrative details.
- Complete resume/CV, cover letter, and unofficial transcript.
- Answers to the Laboratory Research track essay questions:
 - Why do you want an internship at the NYSCF Laboratory?
 - What do you see as the most promising application of stem cell research?
 - Choose a recent scientific publication that you have read and share why you think that research is so important.
 - Which scientific field do you plan to focus on after graduation and what are your long-term career aspirations?
 - Do you have any previous scientific lab experience outside of coursework? If so, please detail.
- One letter of reference (must be submitted by **January 5, 2024**).

Applicants may also include:

- A second, optional letter of reference.