



National Institute of
Environmental Health Sciences

Training and Career Development Opportunities



National Institutes of Health
U.S. Department of Health and Human Services

Training Opportunities at Institutions Across the Country

The next three programs are open to doctoral students and people with doctorate degrees.

NIH Ruth L. Kirschstein National Research Service Awards (NRSA)

- NIEHS administers NRSA awards that support the training of biomedical, behavioral, and clinical researchers in environmental health.
- Awards include individual fellowships and institutional research training grants.
- Stipends and period of support vary depending on education and experience.
- Learn more at <https://www.nlm.nih.gov/ep/nrsafellowshipgrants.html>.

Institutional NRSA Research Training Grant Program

- Universities and institutions of higher education provide research training in the environmental health sciences.
- Some select programs offer short-term research training experiences for medical students.
- Learn more at <https://niehs.nih.gov/research/supported/irt>.

Individual NRSA Fellowships

- Eligible individuals include students working toward a research doctorate or combined dual degrees, such as M.D./Ph.D.; postdoc researchers; and independent scientists, such as associate professors and full professors who wish to make research career changes or broaden their scientific background and research capabilities.
- Provides yearly stipend, an allowance for tuition and fees, and some funds to defray other expenses and pay for travel to scientific meetings.
- Learn more at <https://www.niehs.nih.gov/careers/research>.



Career Development Awards

- For **current scientists with academic appointments.**
- Provides intense career development experience in environmental health sciences.
- Some of the awards are mentored, while others are for scientists who have already achieved independent research support.
- These awards include the NIH Pathway to Independence Award, Transition to Independent Environmental Health Research (TIEHR) Career Development Award, and others, such as for clinicians who want to pursue research careers.
- Learn more at <https://www.niehs.nih.gov/careers/research/trainingfrom/career>.

Summer Research Experience Program

- For talented **high school students, college undergraduates, and science teachers** at universities across the country.
- Provides research and educational opportunities in the environmental health sciences during the summer.
- Contact Michael Humble, Ph.D., at humble@niehs.nih.gov for a list of participating universities.

Developing a strong biomedical workforce is an important part of the NIEHS mission to advance environmental health. To that end, NIEHS supports a wide range of high-quality internships, training, and career development opportunities.

These opportunities are offered on-site at NIEHS in Research Triangle Park (RTP), North Carolina; at the National Institutes of Health (NIH) in Bethesda, Maryland; and at grantee institutions across the U.S.

Training Opportunities at NIEHS in North Carolina

Summer Internship Program in Biomedical Research

- **For students enrolled at least half time in college, graduate school, or professional school.**
- Eight- to 12-week summer program working side by side with leading scientists.
- Stipend provided.
- Apply mid-November through mid-February at <https://training.nih.gov/programs/sip>.

Scholars Connect Program

- For **college students enrolled as juniors or seniors** at local N.C. institutions of higher education, including colleges, universities, and community colleges.
- Academic year program (three semesters).
- Stipend provided.
- Apply November to February at <https://www.niehs.nih.gov/careers/research/scholars>.



Intramural Research Training Awards (IRTA)

IRTA – Postbaccalaureate

- For **recent college graduates** planning to continue their graduate or professional education.
- Offering a full-time stipend for one or two years.
- Apply year-round at <https://www.training.nih.gov/research-training/pb/pb>.

IRTA – Predoctoral Students

- For individuals, including international students, enrolled in Ph.D. graduate programs and engaged in dissertation research.
- Stipend provided depending on research experience.
- Apply by the first working day in December for entry the next fall at <https://www.training.nih.gov/research-training/grads/gpp>.

IRTA – Postdoctoral Fellows and Early-Career Scientists

- For people who have completed their doctoral programs, including international visiting fellows with valid visas.
- Provides up to five years of stipend-supported training, career development, and mentoring.
- Apply year-round at <https://www.training.nih.gov/research-training/pd>.

Postdoctoral Training Opportunities in Translational Toxicology

- These fellowships prepare scientists for careers in pharmaceutical and chemical industries, regulatory agencies, and academia.
- Learn more at <https://www.niehs.nih.gov/careers/research/postdoc-training>.



Postdoctoral Research Associate Training (PRAT) Program

- The National Institute of General Medical Sciences, part of NIH, offers three-year grants for postdoc fellowships in specialized fields across NIH, including NIEHS.
- Apply by the first working day of October for entry the next fall at <https://nigms.nih.gov/training/pages/PRAT.aspx>.

Medical Student Research Fellowships

- For full-time medical students in good standing who are pursuing an M.D. or M.D./Ph.D. to complete their third year of medical school with training in NIEHS clinical and laboratory groups.
- Apply by the final working day of January of the year entering the program at <https://www.niehs.nih.gov/careers/research/med-students>.

International Career Transition Awards

- NIH has cooperative agreements with other nations to provide fellowships to people from those countries who have doctorate degrees. Work occurs in NIH labs, including NIEHS.
- Eligibility criteria, number of application cycles per year, application deadlines, and other logistical details depend on home country/region.
- More information is available at <https://ors.od.nih.gov/pes/dis/Pages/default.aspx>.



About NIEHS

The National Institute of Environmental Health Sciences (NIEHS) is one of 27 research Institutes and Centers that comprise the National Institutes of Health, which is part of the U.S. Department of Health and Human Services.

In addition to in-house and grantee research programs, NIEHS is home to the National Toxicology Program, an interagency program that coordinates toxicology research and testing across the U.S. Department of Health and Human Services.

The institute also publishes a scientific journal, Environmental Health Perspectives.

The mission of the NIEHS is to research how the environment affects biological systems across the lifespan and to translate this knowledge to reduce disease and promote human health.

<https://www.niehs.nih.gov>

Learn more about our in-house research at <https://www.niehs.nih.gov/research/atniehs/labs>.

Opportunities by Education Level

College Students

Summer Internship Program in Biomedical Research at NIEHS

Scholars Connect Program

Summer Research Experience Program and undergraduate training programs at grantee institutions across the U.S.

College Graduates

Summer Internship Program in Biomedical Research at NIEHS

Postbaccalaureate IRTA at NIEHS

Predoctoral Students

Graduate Partnerships Program at NIEHS

Medical Student Research Fellowships

National Research Service Awards for predoctoral training and fellowships at institutions across the U.S.

Doctorates (Ph.D., M.D., D.V.M., D.D.S., D.Sc., or equivalent terminal degree)

Postdoctoral Fellowship Program (IRTA)/
Visiting Fellowship Program at NIEHS

Postdoctoral Research Associate Training (PRAT) Program

International Career Transition Awards

National Research Service Awards for postdoctoral training and fellowships at institutions across the U.S.

Career Development for Scientists

Individual training awards at grantee institutions across the U.S. and individual NRSA fellowships