



## NIEHS Research Initiatives

An Exposure Biology Initiative will enhance assessment tools for more precisely determining environmental exposure levels for individuals.

An Environmental Genomics Initiative will investigate environmental toxicants to understand how genes work in biological systems, how genetic variants contribute to the development of disease, and why individuals with the same disease have very different clinical outcomes. This will involve activities in epigenetics, comparative biology, and environmental genomics.

A Human Health and Disease Initiative will work to understand how the environment impacts complex human diseases, like cancer, diabetes, heart disease, and lung disease.

A Global Environmental Health Initiative will study the health impact of pollutants in countries throughout the world.

*Visit NIEHS on the World Wide Web For More Information on Exciting Programs and Websites:*

*National Toxicology Program:* <http://ntp.niehs.nih.gov/>

*National Center for Toxicogenomics:* [www.niehs.nih.gov/nct/home.htm](http://www.niehs.nih.gov/nct/home.htm)

*Microarray Group:* <http://dir.niehs.nih.gov/microarray/home.htm>

*Environmental Genome Project:* [www.niehs.nih.gov/envgenom/home.htm](http://www.niehs.nih.gov/envgenom/home.htm)

*Environmental Health Perspectives:* <http://ehp.niehs.nih.gov/>

*Alternative Research Methods:* <http://iccvam.niehs.nih.gov/home.htm>

*NIEHS Kids' Pages:* [www.niehs.nih.gov/kids/home.htm](http://www.niehs.nih.gov/kids/home.htm)

*Environmental Health Science Education:* [www.niehs.nih.gov/science-education/](http://www.niehs.nih.gov/science-education/)

*¡Niños!:* [www.niehs.nih.gov/kidspan/home.htm](http://www.niehs.nih.gov/kidspan/home.htm)

*Superfund Basic Research Program:* [www-apps.niehs.nih.gov/sbrp/Index.cfm](http://www-apps.niehs.nih.gov/sbrp/Index.cfm)

*Post-Doctoral Fellows:* [www.niehs.nih.gov/vacancy/postdoc.htm](http://www.niehs.nih.gov/vacancy/postdoc.htm)

*Summers of Discovery Program:* [www.niehs.nih.gov/summers/](http://www.niehs.nih.gov/summers/)

## Work, Learn, Discover.

*Where service, mentoring, and innovation help you advance your career.*

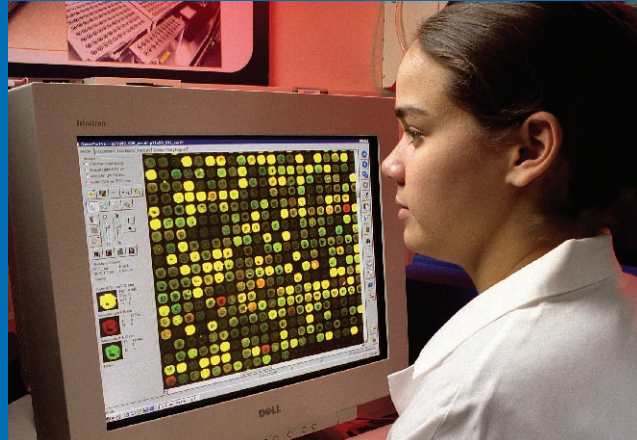


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U.S. Department of Health and Human Services  
National Institutes of Health  
National Institute of Environmental Health Sciences

# Jobs at the National Institute of Environmental Health Sciences (NIEHS)

NIEHS wants to ensure that all citizens have the opportunity to consider a career in the exciting field of biomedical research and that our workforce is representative of our diverse population. Here are some examples of the employment opportunities that NIEHS offers.



Photography by Steve McCaw

## PROFESSIONAL

- *Biologist*
- *Chemist*
- *Geneticist*
- *Health Scientist Administrator*
- *Industrial Hygienist*
- *Librarian*
- *Mathematician*
- *Microbiologist*
- *Pharmacologist*
- *Physician*
- *Physiologist*
- *Statistician*
- *Toxicologist*
- *Veterinarian*

## TECHNICAL

- *Account Technician*
- *Administrative Technician*
- *Computer Clerk/Assistant*
- *Editorial Assistant*
- *Procurement Technician*
- *Supply Technician*

## ADMINISTRATIVE

- *Administrative Officer*
- *Computer Specialist*
- *Contract Specialist*
- *Facility Manager*
- *Personnel Manager*
- *Program Administrator*
- *Program Analyst*
- *Safety and Occupational Health Specialist*
- *Writer and Editor*

## CLERICAL

- *Clerk/Typist*
- *Office Automation Clerk/Assistant*
- *Secretary*
- *Supply Clerk/Technician*

[www.niehs.nih.gov/external/emptrain.htm](http://www.niehs.nih.gov/external/emptrain.htm)

*The NIEHS is an Equal Opportunity Employer. Minority, individuals with disabilities and veterans are encouraged to apply.*



David A. Schwartz, M.D.

*“What excites me the most about being director of NIEHS — is the fact that our Institute has such a unique niche — our scientists and our knowledge of environmental health sciences are absolutely vital to understanding human biology and human disease.”*

## Message from the Director

As a physician-scientist, my ultimate goal is to use environmental sciences to help people live longer and healthier lives.

As I see it, there are four major areas that will have the greatest impact on preventing disease and improving human health: basic science, disease-oriented research, global environmental health, and of course, training tomorrow’s scientists.

At NIEHS, we are setting a new course for the future that builds on our strengths — that is we’ll use our knowledge about environmental sciences to understand human biology and human disease. That is what excites me the most about being director of NIEHS — the fact that our Institute has such a unique niche. Our scientists and our knowledge of environmental health sciences are absolutely vital to understanding human biology and human disease. We represent the critical link between exposures and biological responses that are so important to understanding many different diseases.

I firmly believe that our Institute and our investigators are poised to improve the health of our Nation and the World. Our knowledge about environmental exposures can be used to understand broad categories of complex diseases including; cancers, neurodegenerative diseases such as Alzheimer’s and Parkinson’s, lung diseases, as well as metabolic and reproductive disorders, including obesity and infertility. Although we’ve already made substantial progress in several areas, there is much more work to be done. I hope you will enjoy learning more about us and consider being part of the important work that we do.

David A. Schwartz, M.D.

Director, National Institute of Environmental Health Sciences and National Toxicology Program



## Training, Education, and Outreach Programs at NIEHS

As one of the largest research agencies dedicated to using environmental sciences to understand human disease and to improve human health, the National Institute of Environmental Health Sciences (NIEHS) fosters scientific learning and discovery, and provides learning opportunities for students of all ages.

**The NIEHS is consistently rated among the top 3 "Best Places For Postdocs."** – *The Scientist, Volume 19, 2005*

### Opportunities for Post-Doctoral Fellows

Postdoctoral research fellowships are available at the NIEHS, and may be funded for up to five years. Funding opportunities depend on research area, citizenship, experience and previous training. Stipends range from \$40,000 to \$65,000 with annual increases. Medical insurance is provided. Visa assistance is available for international applications.

A list of current openings is available at [www.niehs.nih.gov/vacancy/postdoc.htm](http://www.niehs.nih.gov/vacancy/postdoc.htm). Application requirements are listed at the end of each announcement. All applicants receive consideration without regards to race, religion, color, national origin, sex, sexual orientation, physical or mental handicap, political affiliation, age (with statutory exceptions). Minorities, women, handicapped individuals and veterans are encouraged to apply.

The NIEHS Trainees Assembly (NTA) is the fellows' liaison to the NIEHS. For more information about this organization, please visit [www.niehs.nih.gov/nta/](http://www.niehs.nih.gov/nta/). Additional scientific and professional development activities are offered through the Office of the Scientific Director, the NIEHS Office of Fellows' Career Development [www.niehs.nih.gov/ofcd](http://www.niehs.nih.gov/ofcd) and NIEHS Human Resources.

## Summers of Discovery Program

**NIEHS established the Summers of Discovery Program** to provide research internships for outstanding high school students, college students, and faculty interested in pursuing careers in the biomedical and biological sciences. Participants are selected by scientific mentors who work for NIEHS. Between May and September, each participant is expected to spend 8-12 weeks in a laboratory working on a research project involving the latest biochemical, molecular, and analytical techniques in that field. The internship experience is supplemented by a series of seminars featuring some of the Institute's leading researchers. The seminars give the participants a good overview of environmental health sciences as practiced at NIEHS. There is also a poster session at the end of the summer where participants display the results of their research efforts and respond to questions as though they are participating in a national meeting of a scientific society. For more information, visit [www.niehs.nih.gov/summers/](http://www.niehs.nih.gov/summers/).



*The internship experience is supplemented by a series of seminars featuring some of the Institute's leading researchers.*



### Student Temporary Employment

The program provides an excellent opportunity for undergraduate and graduate students to gain valuable work experience and earn income while pursuing a degree. Students may work full-time during the summer or when school is closed, and arrange year-round, part-time work schedules to accommodate their academic schedules while school is in session. Both administrative and research lab positions are available.

### Summer Employment Program

The Summer Employment Program is open to high school and college students, as well as to faculty members. The types of positions available may be clerical, technical, administrative or professional. The period of employment starts in May and finishes on September 30th of each year. For more information about the temporary and summer employment programs visit: [www.niehs.nih.gov/science-education/](http://www.niehs.nih.gov/science-education/)

## Science, Education, Outreach and Mentoring



NIEHS is committed to training the next generation of scientists who can help improve human health conditions. Introducing students to the exciting world of science is the first step to making tomorrow's science stars. As part of its education outreach efforts, NIEHS offers educational tours of the Institute, as well as classroom visits by NIEHS scientists. In addition, NIEHS has developed materials and activities to help students of all ages understand the links between human health and the environment! NIEHS is an active participant in both national and local science education and training activities, especially for K-16 levels. Please visit: [www.niehs.nih.gov/science-education/](http://www.niehs.nih.gov/science-education/) for more information about environmental health science education.



## About NIEHS, NTP and the Research Triangle Park in NC



Photography by Steve McCaw

The National Institute of Environmental Health Sciences (NIEHS) is part of the world-renown National Institutes of Health (NIH) within the U.S. Department of Health and Human Services (DHHS). The National Toxicology Program (NTP), which coordinates toxicology studies within the DHHS, is headquartered at the NIEHS campus.

NIEHS seeks to reduce the human illness that results from natural and human-made environmental exposures — chemicals, metals, radiation and other factors in the air, water, land and construction. The NIEHS achieves its mission through:

**Extramural research and training** funded by grants from NIEHS to scientists and environmental health workers throughout the United States.

**Intramural research** conducted by scientists at the NIEHS facility.

**Community Outreach and Communications Programs** that provide reliable information on research findings and resources to the public and to scientists worldwide.

*More than 80,000 chemicals are registered for use in commerce in the United States, and an estimated 2,000 new ones are introduced annually for use in everyday items such as foods, personal care products, prescription drugs, household cleaners, and lawn care products.*

The effects of many of these chemicals on human health are unknown. While relatively few substances are thought to pose a significant risk to human health, safeguarding the public depends on identifying the effects of these substances and determining the levels of exposure at which they may become potentially hazardous to humans.

The NTP coordinates DHHS toxicological testing and validation of improved testing methods. The NTP provides information about potentially toxic substances to regulatory and research agencies, the scientific and medical communities, and the public.

NIEHS and NTP are located in the Research Triangle Park (RTP), a science and technology hub created by the state of North Carolina. The NIEHS laboratories are situated beside a beautiful lake where employees can take lunch at picnic tables, watching birds and other wildlife in a natural setting.

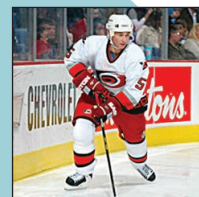
## Work, Live, Play in the Park

**The Research Triangle Park Offers Something For Everyone.**

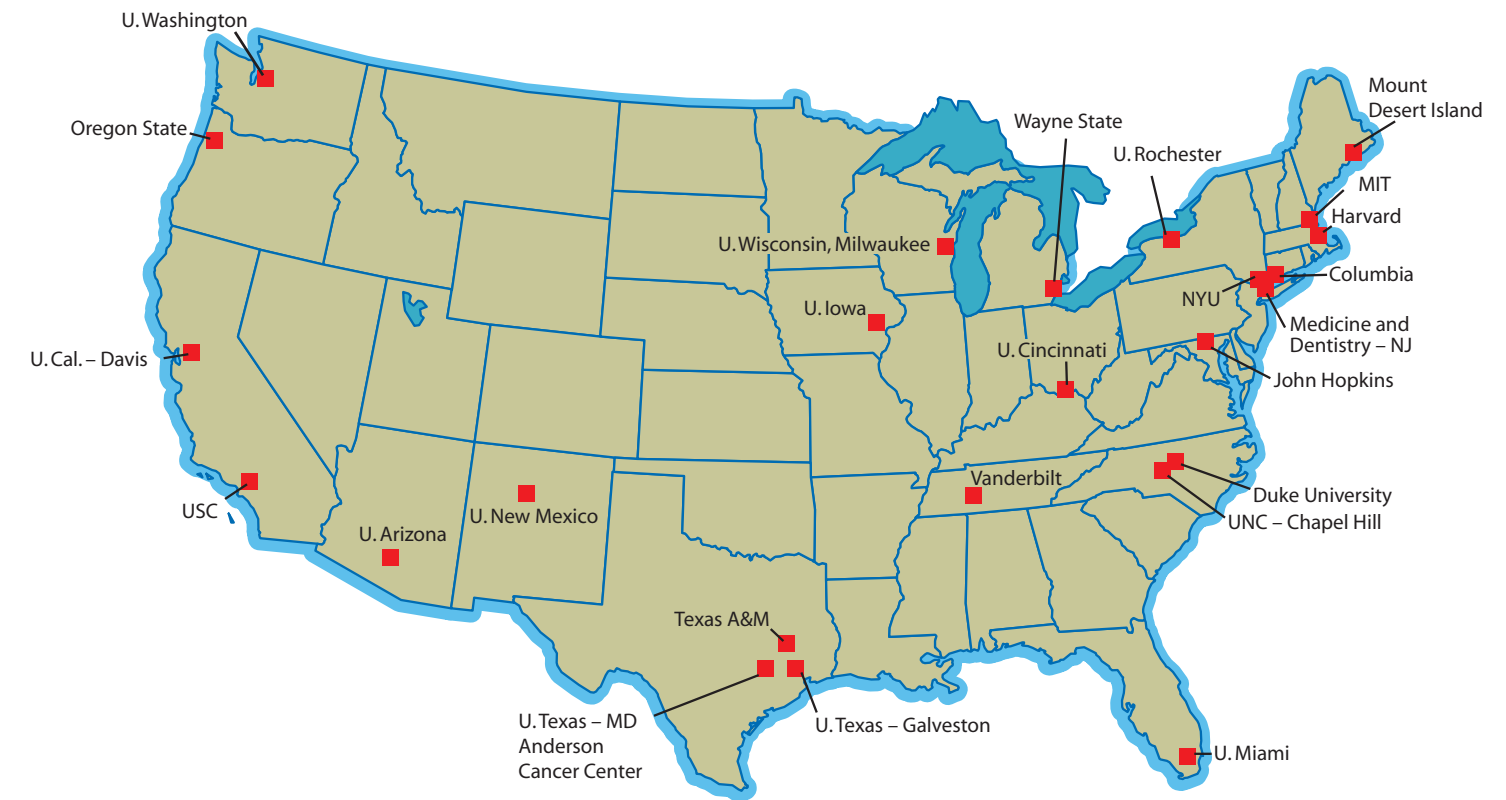
- Tour the latest exhibits at several museums of art, history, and natural sciences,
- Listen to the NC Symphony Orchestra at their superb new concert hall or attend any number of theaters and musical events in the area,
- Cheer for college and professional sports teams playing hockey, football, soccer, basketball, and more.

**In addition to cultural and sporting events, you will find:**

- Four seasons mild enough to enjoy outdoor activities year-round,
- Reasonable cost of living and many residential options,
- Three of the nation's top-rated research universities – UNC, NC State, Duke – and many other exceptional institutions of higher learning, including North Carolina Central University,
- The Blue Ridge Mountains and Atlantic beaches are just a few hours away,
- Top medical centers with access to world-class medical care.



## NIEHS Funds Environmental Health Research at Major Universities and Research Centers Throughout the United States



These are only a few of the Institutions that receive research funding from NIEHS. The NIEHS grants and research “Centers” programs extend to medical centers, universities, and colleges — large and small — throughout the country and also includes graduate and post-graduate training programs.

- Columbia University
- Duke University
- Harvard University (School of Public Health)
- John Hopkins University
- Massachusetts Institute of Technology
- New York University School of Medicine
- Oregon State University
- Texas A&M University System
- University of Arizona
- University of California Davis
- University of Cincinnati
- University of Iowa
- University of Medicine and Dentistry NJ-RW Johnson Med School
- University of New Mexico — Albuquerque
- University of North Carolina — Chapel Hill
- University of Rochester
- University of Southern California
- University of Texas — Galveston
- University of Texas — MD Anderson Cancer Center
- University of Washington
- University of Wisconsin — Milwaukee
- Vanderbilt University
- Wayne State University
- Oregon State University
- University of Miami Coral Gables