

Predoctoral Training: NIH Funding Options

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Funding Sources

- ▶ National Institutes of Health (NIH)
 - ▶ National Science Foundation (NSF)
 - ▶ Other federal agencies, e.g.
 - Department of Defense
 - Agency for Healthcare Research and Quality (AHRQ)
 - ▶ Foundations
 - Search GrantsNet for options
 - Review links on National Academies site
- 



NDSEG

NATIONAL DEFENSE SCIENCE & ENGINEERING GRADUATE FELLOWSHIP



- AERONAUTICAL & ASTRONAUTICAL ENGINEERING
 - BIOSCIENCES
 - CHEMICAL ENGINEERING
 - CHEMISTRY
 - CIVIL ENGINEERING
 - COGNITIVE, NEURAL, & BEHAVIORAL SCIENCES**
 - COMPUTER AND COMPUTATIONAL SCIENCES
 - ELECTRICAL ENGINEERING
 - GEOSCIENCES
 - MATERIALS SCIENCE & ENGINEERING
 - MATHEMATICS
 - MECHANICAL ENGINEERING
 - NAVAL ARCHITECTURE & OCEAN ENGINEERING
 - OCEANOGRAPHY
 - PHYSICS
- AMERICA'S FUTURE.
YOUR RESEARCH.
DOD SUPPORT.**

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- About NDSEG
- Apply Online
- NDSEG Fellows
- Application Instructions
- FAQ

WELCOME

As a means of increasing the number of U.S. citizens and nationals trained in science and engineering disciplines of military importance, the Department of Defense (DoD) plans to award approximately 200 new three-year graduate fellowships in April 2009, subject to the availability of funds. The DoD will offer these fellowships to individuals who have demonstrated ability and special aptitude for advanced training in science and engineering. National Defense Science and Engineering Graduate (NDSEG) Fellowships are awarded to applicants who will pursue a doctoral degree in, or closely related to, an area of DoD interest within one of the following disciplines:

- Aeronautical and Astronautical Engineering
- Biosciences
- Chemical Engineering
- Chemistry
- Civil Engineering
- Cognitive, Neural, and Behavioral Sciences
- Computer and Computational Sciences
- Electrical Engineering
- Geosciences
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Naval Architecture and Ocean Engineering
- Oceanography
- Physics

NEWS

- September 19, 2008
NDSEG Application Now Open
All materials must be submitted by 1 p.m. EST January 5th, 2009.
- March 31, 2008
NDSEG Fellowship Recipients
2007-2008 Competition

David Kaz, NDSEG Fellow

"It goes without saying that an award as



prestigious as the NDSEG fellowship is an honor, and a boon to any resume. Indeed, when I had applied for it, I considered it worthwhile mostly as a symbol of scholastic merit. But because it is outside funding, I have a great deal of freedom when it comes to choosing a research group."



A-Z Quick Menu

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Consumer Health

Funding Opportunities

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Research Findings

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Quality & Patient Safety

Health IT

Public Health Preparedness

About AHRQ

- Mission & Budget
- Strategic Plan
- Organization & Contacts
- Map & Directions
- Events & Announcements
- Job Vacancies

Clinical Information

- Evidence-based Practice
- Outcomes & Effectiveness
- Effective Health Care
- Technology Assessments
- Preventive Services
- Clinical Practice Guidelines
- National Guideline Clearinghouse™

Funding Opportunities

- AHRQ Research Funding Priorities
- Funding Announcements
- Electronic Grant Applications
- Research Policies
- Grants Process
- Grant Application Basics
- Grants On-Line Database
- Training and Education
- Contracts

Research Findings

- Research Activities: [Online Newsletter](#)
- Research Topics: [Fact Sheets/Syntheses](#)
- Primary Care [Practice-Based Research Networks](#)
- Long-term Care
- Managed Care
- Markets

Consumers & Patients

- Health Conditions/Diseases
- Health Plans
- Prescriptions
- Prevention & Wellness
- Quality of Care
- Questions Are the Answer
- Quit Smoking
- Surgery

Data & Surveys

- MEPS
[Medical Expenditure Panel Survey](#)
- HCUP
[Healthcare Cost & Utilization Project](#)
- HCUPnet
[Interactive Tool for Hospital Statistics](#)
- HIV & AIDS Cost & Use
- USHIK
[U.S. Health Information Knowledgebase](#)

Quality & Patient Safety

- CAHPS® [Consumer Assessment of Healthcare Providers and Systems](#)
- Health Care Innovations Exchange
- Health Information Technology
- Measuring Healthcare Quality



QUESTIONS ARE THE ANSWER

REAL MEN WEAR GOWNS

SUPERHEROES

Spotlight

- AHRQ Issues Two Funding Opportunity Announcements
- Dr. Clancy: Ready to Lose Weight in the New Year?
- PSA: Take Charge with Fran Drescher, Actress & Cancer Survivor

News & Information

- Newsroom
- [Media Resources](#)
- [Healthcare 411 Podcasts](#)

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Address http://www7.nationalacademies.org/fellowships/Other_Sources_of_Funding.html Go Links >>

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Fellowships Office

POLICY AND GLOBAL AFFAIRS

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

NATIONAL ACADEMY OF SCIENCES | NATIONAL ACADEMY OF ENGINEERING | INSTITUTE OF MEDICINE | NATIONAL RESEARCH COUNCIL | January 06, 2009



Other Sources of Funding

FELLOWSHIPS OFFICE (FO) HOME PAGE

RESEARCH ASSOCIATESHIP PROGRAMS

FORD FELLOWSHIPS PROGRAMS

VIETNAM EDUCATION FOUNDATION

JEFFERSON SCIENCE FELLOWS

FELLOWSHIP ROUNDTABLE

OTHER SOURCES OF FUNDING

SEARCH GO!

Feedback

Other Sources of Funding

Fellowship, Scholarship, and Grants Programs

The links that follow are intended to assist in finding fellowships, scholarships, and grants.

[Lists of Fellowships, Scholarships, and Grants](#)

[Other Fellowships, Scholarships, and Grants](#)

[Internships](#)

[Additional Aids for Students and Scholars](#)

[Fellowship Roundtable](#)

NRSA Eligibility

- ▶ For any NRSA award, you must be a U.S. citizen, a non-citizen national, or have been lawfully admitted to the U.S. for permanent residence.
- ▶ For a predoctoral award, you must have a baccalaureate degree.
- ▶ You must also
 - be affiliated with an institution
 - have a mentor/advisor
- ▶ You can be supported for 5 yrs as a predoctoral student if in a PhD program & for 6 yrs if in a MD/PhD program.

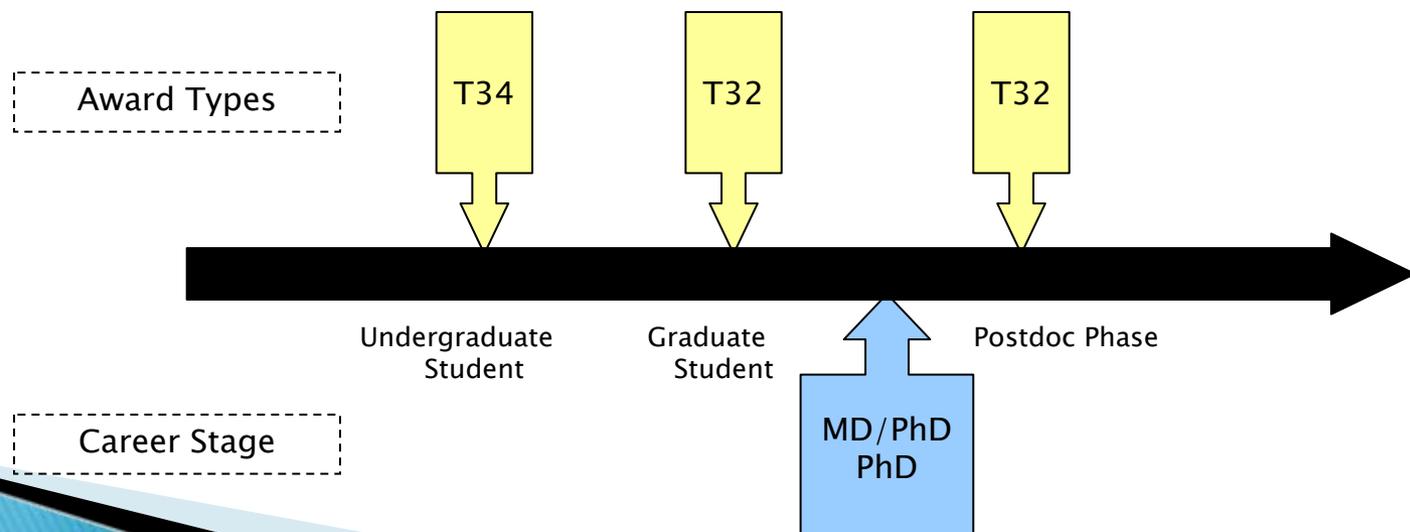
NRSA=National Research Service Award

NIH: Two Options

- ▶ **Institutional award:** an award made to an academic institution (university) by the NIH to support predoctoral and/or postdoctoral trainees. The institution then decides who to support on this award.
 - Institutional training grant (T32)
- ▶ **Individual award:** an award made by the NIH to support a specific individual based on the merit of the application the individual submits for peer review.
 - Individual predoctoral fellowship (F30 or F31)

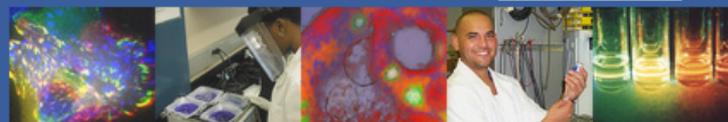
Option 1: Institutional Research Training Grant (T32)

- ▶ The institution decides who to support on a T32.
- ▶ When you interview, ask if the graduate program has a T32 that supports graduate students.



More on T32s

- ▶ Each NIH Institute supports T32s in their mission area.
- ▶ The NIGMS supports many predoctoral T32s for early-stage graduate research training in specific, often interdisciplinary, scientific areas & the medical scientist training program (MSTP) for MD/PhD students (see their web site).
- ▶ Many Institutes list currently supported T32 programs on their web sites.
- ▶ Search the CRISP database to identify T32s at institutions of interest to you.
 - ▶ <http://crisp.cit.nih.gov/>



Back to: [NIGMS Home](#) > [Research Training & Career Development Awards](#) [Print this page](#) [E-mail this page](#) [My Order](#)

List of Funded Institutional Training Grants

Undergraduate Research & Research Training Programs

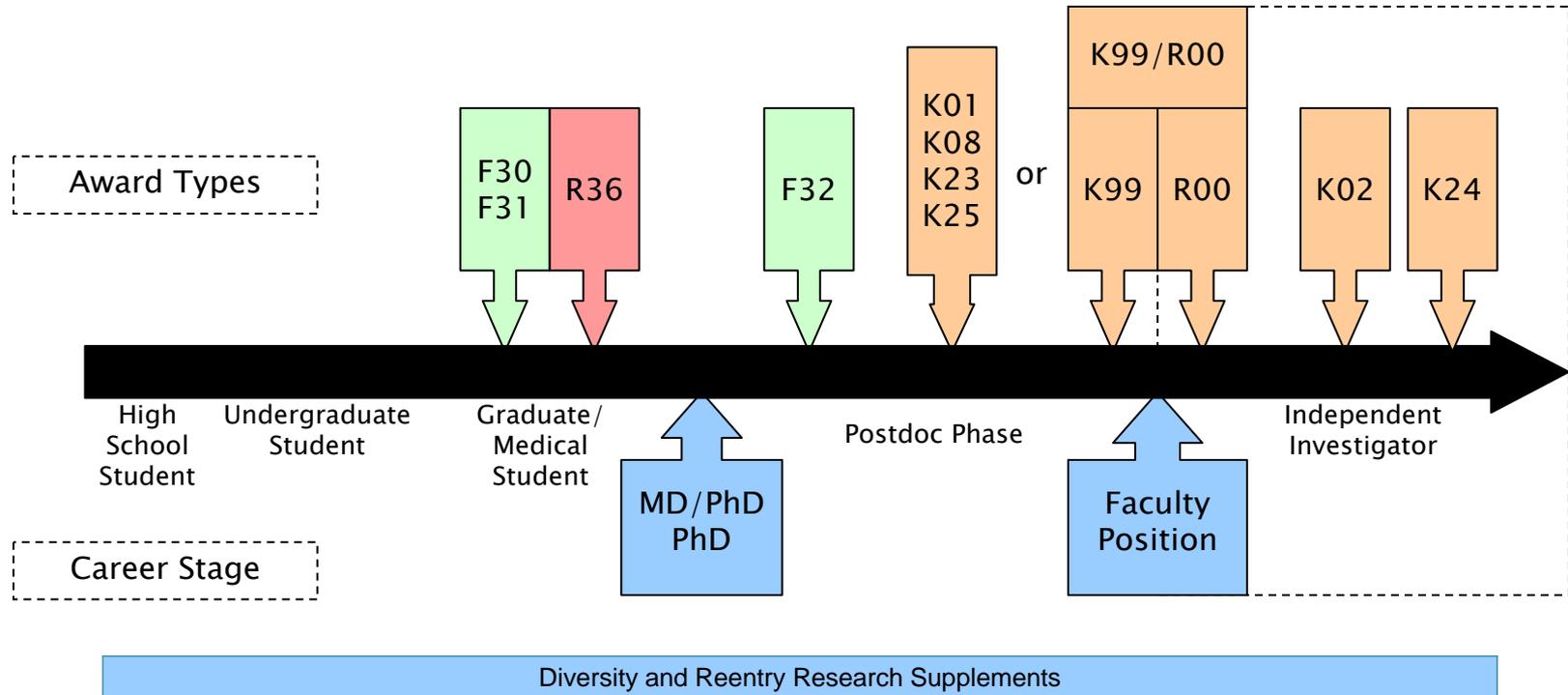
- **Minority Access to Research Careers (MARC)**
 - [Undergraduate Student Training in Academic Research \(U*STAR\) Participating Institutions](#)
 - [Post-Baccalaureate Research Education Program \(PREP\) Participating Institutions](#)
- **Minority Biomedical Research Support (MBRS)**
 - [Support of Competitive Research Excellence \(SCORE\) Participating Institutions](#)
 - [Research Initiative for Scientific Enhancement \(RISE\) Participating Institutions](#)
 - [Initiative for Maximizing Student Diversity \(IMSD\) Participating Institutions](#)



Predoctoral Research Training Programs

- [Behavioral-Biomedical Sciences Interface](#)
- [Bioinformatics and Computational Biology](#)
- [Biostatistics](#)
- [Biotechnology](#)
- [Cellular, Biochemical, and Molecular Sciences](#)
- [Chemistry-Biology Interface](#)
- [Genetics](#)
- [Joint Predoctoral Research Training Program](#)
- [Medical Scientist Training Program \(M.D.-Ph.D. program\)](#)
- [Molecular Biophysics](#)
- [Molecular Medicine](#)
- [Pharmacological Sciences](#)
- [Systems and Integrative Biology](#)

Option 2: Individual Predoctoral Fellowship



Fellowship Options

- ▶ F31: to support graduate training of students from diverse groups (PA-07-106)
 - All Institutes support this program
 - May apply before you've advanced to candidacy so need not have identified your thesis topic

Fellowship Options–cont'd

- ▶ F30: to support MD/PhD students during thesis research & clerkship
- ▶ F31: dissertation stage support for graduate students [not limited to individuals from diverse groups]
- ▶ **Important:** these two programs are supported by a subset of the NIH Institutes.
 - Check the F30 and F31 program announcements to identify the participating Institutes.
 - Before you submit your application, contact the participating Institutes to find out if your research is relevant to their mission!

F31 Programs

NIH Blueprint for Neuroscience Research

Global OER Resources

Glossary & Acronyms

Frequently Used Links

Frequent Questions

F31

[NHLBI Individual Predoctoral MD/PhD Fellowship](#)
The NHLBI supports individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. Applications to the program will be accepted from (a) students currently enrolled in a combined MD/PhD program and (b) current medical or graduate students seeking admission to a combined program that provides research training in areas relevant to the NHLBI mission. Awards to these applicants are contingent on subsequently being enrolled in a combined MD/PhD program.

[Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships \(F31\) to Promote Diversity in Health-Related Research](#)
This omnibus NIH program is supported by NCI, NCCAM, NCR, NEI, NHLBI, NHGRI, NIA, NIAAA, NIAID, NIAMS, NIBIB, NICHD, NIDCD, NIDCR, NIDDK, NIDA, NIEHS, NIGMS, NIMH, NINDS, NINR, and ODS. This program is intended to promote diversity in health-related research by supporting research training leading to the Ph.D. or equivalent research degree, the combined M.D./Ph.D. degree; or another formally combined professional degree and research doctoral degree in biomedical, behavioral, health services, or clinical sciences.

[Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows \(F31\)](#)
This fellowship program is supported by the NIA, NIAAA, NIDA, NIDCD, NIDCR, NIMH, NINDS, and ODS. The programs objective is to provide support for promising doctoral candidates (Ph.D., M.D./Ph.D., or equivalent) who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH entities.

[Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowship Training in Complementary and Alternative Medicine \(F31\)](#)
The purpose of this NCCAM individual predoctoral fellowship is to help ensure that diverse pools of highly trained scientists will be available in adequate numbers and in appropriate research areas to carry out the Nation's biomedical, behavioral and clinical research agendas in complementary and alternative medicine.

[Ruth L. Kirschstein National Research Service Award \(NRSA\) for Individual Predoctoral Fellows \(F31\) in Nursing Research](#)
This NINR program will provide predoctoral training support for doctoral students who propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs.

F Kiosk:

http://grants1.nih.gov/training/F_files_nrsa.htm

Preparing to Apply

- ▶ Find out the application deadlines
- ▶ Plan ahead...grant writing takes time!
- ▶ Bounce ideas off your mentor(s) & others in your lab
- ▶ Read the application materials carefully; ask questions
- ▶ Contact a program officer(s) before you apply
 - Web table of program contacts is associated with every training-related program announcement
 - Find out if your research is of interest to one of the NIH Institutes

Finding Program Contacts

PA-06-481: Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctor - Microsoft Internet Explorer

Address: http://grants.nih.gov/grants/guide/contacts/PA-07-106_contacts.htm

U.S. Department of Health & Human Services www.hhs.gov

Office of Extramural Research
National Institutes of Health

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Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research (PA-07-106)

Contacts, Submission Dates and Special Interests/Instructions
Release Date: December 7, 2006
Expiration Date: April 14, 2010

NIH Institute/Center	Scientific/Research Contact	Financial or Grants Management Contact
National Cancer Institute (NCI)	H. Nelson Aguila, D.V.M. Comprehensive Minority Biomedical Branch Office of Centers, Training, and Resources National Cancer Institute 6116 Executive Blvd., Suite 7028 Bethesda, MD 20892-8350 Telephone: 301-496-7344 Fax: 301-402-4551 E-mail: Aguilah@mail.nih.gov	Ms. Dena S. Solomon Grants Management Specialist National Cancer Institute 6120 Executive Blvd., Room EPS/243 Bethesda, MD 20892 Telephone: 301-496-7208 Fax: 301-496-8601 E-mail: solomond@mail.nih.gov
	Institute/Center Specific Information The NCI provides support for research training leading to the Ph. D. or equivalent research degree; the combined M.D./ Ph.D. degree; or other combined professional degree and research doctoral degree in the areas of basic cancer research, population-based cancer research, or cancer prevention.	

Final Comments

- ▶ Learn about a graduate program's financial commitment to its students up front.
- ▶ Find out if the graduate program provides workshops to help you learn how to write a competitive grant application.
- ▶ Contact us...we are here to help!

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