

# Career Resources for New Investigators and Students

Radiation Research Society Meeting

September 26, 2010



# Outline

- **Intramural Research Opportunities at NIH**
- **Extramural Training Opportunities at Academic Institutions**
- **Non-NIH Funding Opportunities**

# Intramural Training at NIH

(<http://www.nih.gov/Training.htm>)

The screenshot shows the NIH Training website in a browser window. The browser's address bar displays <http://www.nih.gov/Training.htm>. The website header includes the U.S. Department of Health & Human Services logo and the National Institutes of Health logo with the tagline "Turning Discovery Into Health". Navigation tabs include HOME, HEALTH, GRANTS, NEWS, RESEARCH, INSTITUTES, and ABOUT NIH. A search bar is located in the top right corner.

The main content area is titled "Home Training at NIH". Below this, there are two main sections:

- Intramural Program:** A section titled "Office of Intramural TRAINING & EDUCATION" with the tagline "build your career, shape the future". It features a navigation menu (home, training programs, events, career services, about OITE, for NIH staff) and a banner image of a person speaking at a podium. Below the banner are buttons for "PROSPECTIVE TRAINEES", "CURRENT TRAINEES", "INVESTIGATORS & STAFF", and "MY OITE".
- Extramural Training Mechanisms:** A section titled "Office of Extramural Research" with a navigation menu (Home, About Grants, Funding, Forms & Deadlines, Grants Policy, News & Events). It lists "Funding Opportunities" and "Research Training & Career Development" under "Extramural Training Mechanisms". A list of funding opportunities includes:
  - Ruth L. Kirschstein National Research Service Awards
    - Guide to Kirschstein-NRSA Programs
    - Institutional Research Training Grants
    - T Table - NRSA Training Grants Funding Opportunities
    - Individual Fellowships
    - F Files - NRSA Fellowship Funding Opportunities

Annotations with arrows point to the "Intramural Program" and "Extramural - Outside NIH" sections.

# Intramural Training at NIH

(<http://www.training.nih.gov/trainees>)

The screenshot shows a web browser window with the URL <https://www.training.nih.gov/trainees>. The page header includes the NIH logo and the text "Office of Intramural TRAINING & EDUCATION build your career, shape the future". The navigation menu includes "home", "training programs", "events", "career services", "about OITE", and "for NIH staff". Below the navigation menu, there are links for "overview", "summer interns", "postbacs", "graduate students", "postdocs", and "medical/dental students". The main content area is titled "FOR CURRENT TRAINEES" and contains a paragraph of text followed by a list of links: "SUMMER INTERNS", "POSTBACS", "GRADUATE STUDENTS", "MEDICAL/DENTAL STUDENTS", and "POSTDOCS". A red label "Training Opportunities" with two arrows points to the "SUMMER INTERNS" and "MEDICAL/DENTAL STUDENTS" links. On the right side of the page, there is a sidebar with a "MY OITE" button and several menu items: "Introduction to the NIH", "Who conducts research at the NIH?", "Annual Reports", "Scientific Interest Groups (SIGS)", and "View a searchable database".

Office of Intramural  
**TRAINING & EDUCATION**  
*build your career, shape the future*

NATIONAL INSTITUTES OF HEALTH | U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

home training programs events career services about OITE for NIH staff

overview | summer interns | postbacs | graduate students | postdocs | medical/dental students

HOME > TRAINING PROGRAMS

## FOR CURRENT TRAINEES

During the academic year, the NIH is the research home for about 5000 trainees. In the summer, that number swells to more than 6000. If you are not certain which trainee group you belong to, you can read about all of the groups below. If you do know what type of trainee you are you can go directly to information on program opportunities and resources.

- [SUMMER INTERNS](#)
- [POSTBACS](#)
- [GRADUATE STUDENTS](#)
- [MEDICAL/DENTAL STUDENTS](#)
- [POSTDOCS](#)

## TRAINEE TYPES

**Summer Interns:** If you are one of the approximately 1200 high school, college, graduate, and professional students who spend 8 to 10 weeks during the summer pursuing biomedical research in the NIH IRP, you are a Summer Intern.

**Postbacs:** You are a "Postbac" if you have recently completed a bachelor's degree and are spending a year (or possibly two) in the NIH Intramural Research Program (IRP), conducting

MY OITE

Introduction to the NIH →

Who conducts research at the NIH? →

Annual Reports ...

→ [View a searchable database](#) containing project descriptions for all work conducted at the NIH.

Scientific Interest Groups (SIGS) ...

→ [View](#) a list of the dozens of

Done [www.training.nih.gov](http://www.training.nih.gov)

# Extramural Training Outside of NIH

(<http://grants.nih.gov/training/extramural.htm>)

The screenshot shows the NIH website's "Extramural Training Mechanisms" page. The browser address bar shows <http://grants.nih.gov/training/extramural.htm>. The page header includes the U.S. Department of Health & Human Services logo and the Office of Extramural Research logo. A navigation menu includes "Home", "About Grants", "Funding", "Forms & Deadlines", "Grants Policy", "News & Events", "About OER", and "NIH Home".

The main content area is titled "Extramural Training Mechanisms" and lists several categories:

- Ruth L. Kirschstein National Research Service Awards (NRSA) Training Grants and Fellowships**
  - [Guide to Kirschstein-NRSA Programs](#)
  - [Institutional Research Training Grants](#)
  - [T Kiosk](#) - Information about NRSA Training Grants Funding Opportunities
  - [Individual Fellowships](#)
  - [F Kiosk](#) - Information about NRSA Fellowship Funding Opportunities
  - [Kirschstein-NRSA Policy Issues](#)
- Non-NRSA Fellowships and Training Grants**
  - Career Development Awards**
    - [K Kiosk](#) - Information about NIH Career Development Awards
    - [Career Award Wizard](#)
    - [NIH Forms and Applications Page](#) (Including PHS [SF424 \(R&R\)](#) and [PHS 2590](#) application and other [Training Forms](#))
    - [Guidelines for Reviewers](#) (Links to review guidelines for various fellowship "K" mechanisms)
    - Career Award Policy Issues
      - [NIH Policy Concerning Career Development \(K\) Awards: Leave, Temporary Adjustments to Percent Effort, and Part-Time Institutional Appointments](#) (01/21/2009)
      - [Revision of NIH Policy Concerning Concurrent Support from Mentored Career Development \(K\) Award and a Research Grant](#) (NOT-OD-08-065) (04/10/2008)
      - [Determining Full-Time Professional Effort for Career Awards](#), (08/03/2004)

Annotations on the page include:

- A red arrow points from the text "Career Awards" (written in red) to the "Career Development Awards" link.
- A red arrow points from the text "Training Grants" (written in red) to the "Ruth L. Kirschstein National Research Service Awards (NRSA) Training Grants and Fellowships" link.
- A red arrow points from the text "Fellowship Grants" (written in red) to the "F Kiosk" link.

The right sidebar contains a "News Flash" section with the following text:

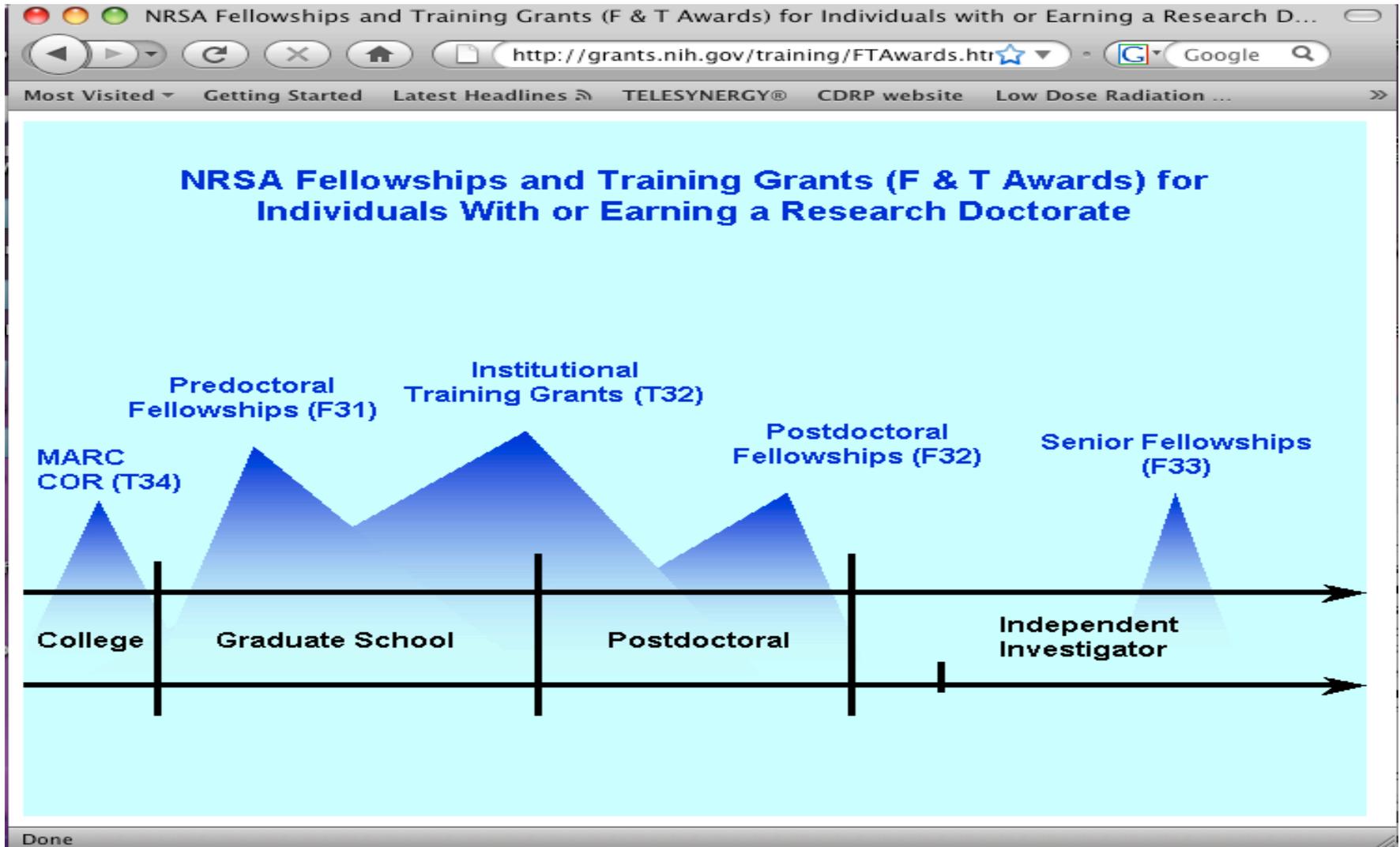
**Paid research experiences for students and science teachers available for this summer at research institutions across the country.**

**These opportunities are made available through American Recovery and Reinvestment Act (ARRA) funding.**

**See the [NIH ARRA Summer Research Experiences Web site](#) for details.**

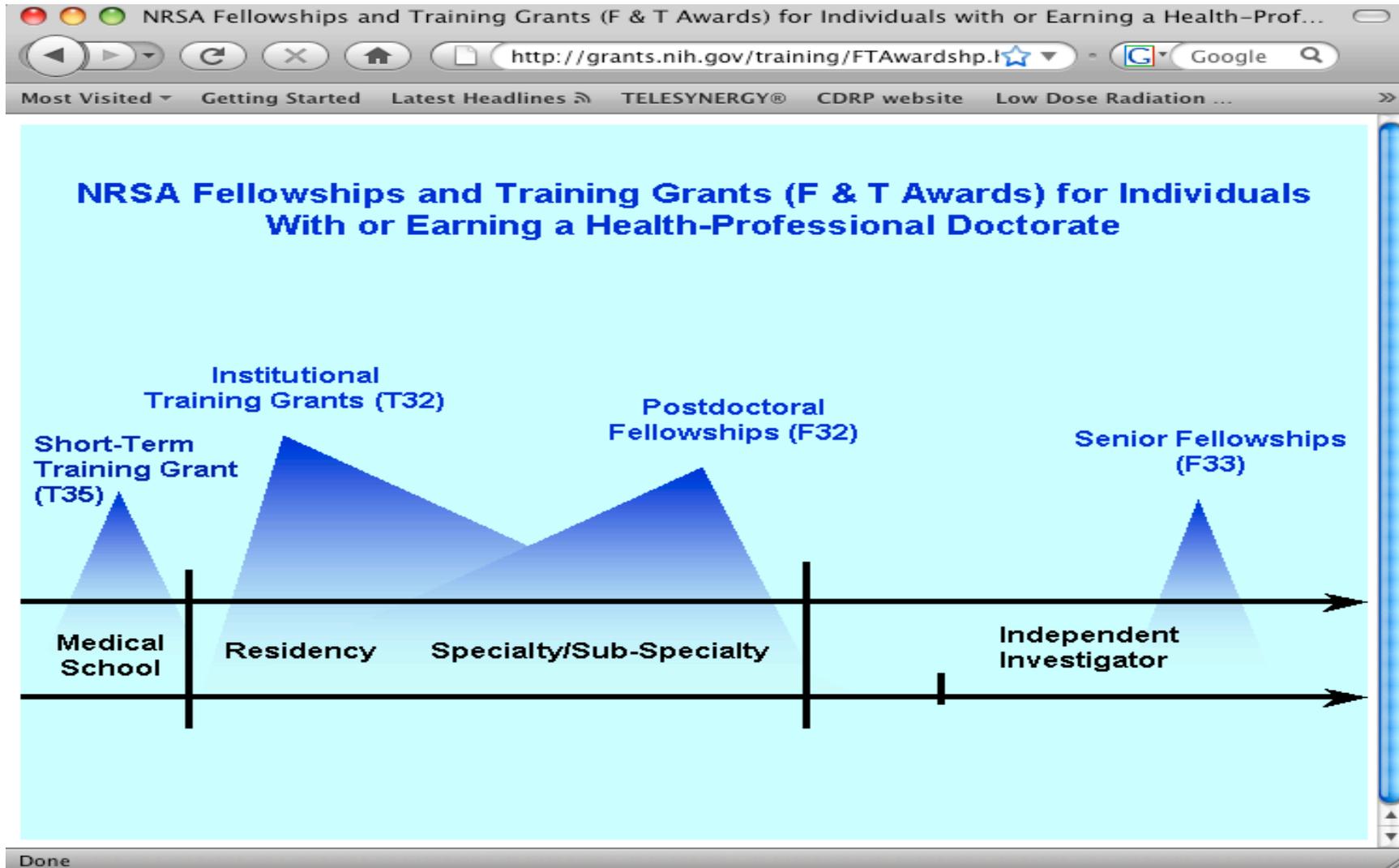
# PhD Fellowships and Training Grants

(<http://grants.nih.gov/training/FTAwards.htm>)



# MD Fellowships and Training Grants

(<http://grants.nih.gov/training/FTAwards.htm>)



# NIH Career Development Awards

(<http://grants.nih.gov/training/careerdevelopmentawards.htm>)

K Kiosk - NIH Extramural Training: Information about NIH Career Development Awards

<http://grants.nih.gov/training/careerdevelopmentawards.htm>

U.S. Department of Health & Human Services

www.hhs.gov

Office of Extramural Research  
National Institutes of Health

Search:  Go

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Home | About Grants | **Funding** | Forms & Deadlines | Grants Policy | News & Events | About OER | NIH Home

**Funding Opportunities**

- Funding Opportunities (RFAs, PAs) & Notices
- Unsolicited Applications (Parent Announcements)
- Research Training & Career Development
  - Extramural Training Mechanisms
  - Intramural
  - News
  - Career Resources
  - Q&A and FAQs
  - Small Business (SBIR/STTR)
  - Contract Opportunities
- NIH-Wide Initiatives
  - Stem Cell Information

**K Kiosk - Information about NIH Career Development Awards**

- [K-Awards Across Institutes and Centers](#) (June 1, 2010) - (Excel - 813 KB) - Institute and Center specific information with links to appropriate websites
- [Career Award Wizard](#) - Helps you select the right career award
- **Visual Guide to NIH Career Development Awards**
  - [For individuals with a research doctorate](#)
  - [For individuals with a health-professional doctorate](#)
- **Career Award Data and Administrative Information**
  - [Funded Career Development Awards](#)
  - [Career Award Application Success Rates](#)
- **Career Development Podcasts**
  - Enhance Your Research Capabilities through an Independent Career Award (July 29, 2010) - [MP3](#) (15 min) | [Transcript](#)
  - Using Career Development Awards to Achieve Independence (June 21, 2010) -

**PhD and MD K Awards**

Done

# PhD Career Development Awards

(<http://grants.nih.gov/training/kawardresearch.htm>)

The screenshot shows a web browser window with the URL <http://grants.nih.gov/training/kawardresearch.htm>. The page title is "Career Development Awards (K Awards) for Individuals with a Research Doctorate". The main content is a diagram illustrating the career path and corresponding awards. The career path is shown as a horizontal timeline with four stages: College, Graduate School, Postdoctoral, and Independent Investigator. Below the timeline, several awards are listed, each represented by a red arrow pointing to the corresponding stage of the career path. The awards shown are: Career Transition Award (K22), Mentored Research Scientist Development Award (K01), Independent Scientist Award (K02), Career Enhance. Award for Stem Cell Res. (K18), and Senior Scientist Award (K05). A note at the bottom left states: "Note: The following awards are not shown: Academic Career Award (K07), Mentored Quantitative Research Career Development Award (K25), Midcareer Investigator Award in Mouse Pathobiology Research (K26)". A large blue text overlay at the bottom right reads: "\*\* 8 Individual K Awards". At the bottom of the page, there is a paragraph of text: "There are at least eight different awards that individuals with a research doctorate should consider. Most of these awards support individuals that have accepted or are ready for a faculty position. There is the Career Transition Award (K22) that provides support during the early years of a new".

**Career Development Awards (K Awards) for Individuals with a Research Doctorate**

**Career Development Awards (K Awards) for Individuals with a Research Doctorate**

College Graduate School Postdoctoral Independent Investigator

Career Transition Award (K22)

Mentored Research Scientist Development Award (K01)

Independent Scientist Award (K02)

Career Enhance. Award for Stem Cell Res. (K18)

Senior Scientist Award (K05)

**Note: The following awards are not shown:**

- Academic Career Award (K07)
- Mentored Quantitative Research Career Development Award (K25)
- Midcareer Investigator Award in Mouse Pathobiology Research (K26)

**\*\* 8 Individual K Awards**

There are at least eight different awards that individuals with a research doctorate should consider. Most of these awards support individuals that have accepted or are ready for a faculty position. There is the Career Transition Award (K22) that provides support during the early years of a new

# MD Career Development Awards

(<http://grants.nih.gov/training/kawardhp.htm>)

**Career Development Awards (K Awards) for Individuals with a Health-Professional Doctorate**

**Career Development Awards (K Awards) for Individuals with a Health-Professional Doctorate**

Medical School | Residency | Specialty/Sub-Specialty | Independent Investigator

Mentored Clinical Scientist Development Program (K12) (note: two types)

Mentored Clinical Scientist Development Award (K08)

Mentored Patient-Oriented Research CDA (K23)

Career Enhance. Award for Stem Cells Res. (K18)

Midcareer Investigator in Patient-Oriented Research (K24)

**Note: Individuals with clinical doctorates may also be eligible for awards shown for individuals with research doctorates. The following awards are not shown:**

- Academic Career Award (K07)
- Mentored Quantitative Research Career Development Award (K25)
- Midcareer Investigator Award in Mouse Pathobiology Research (K26)

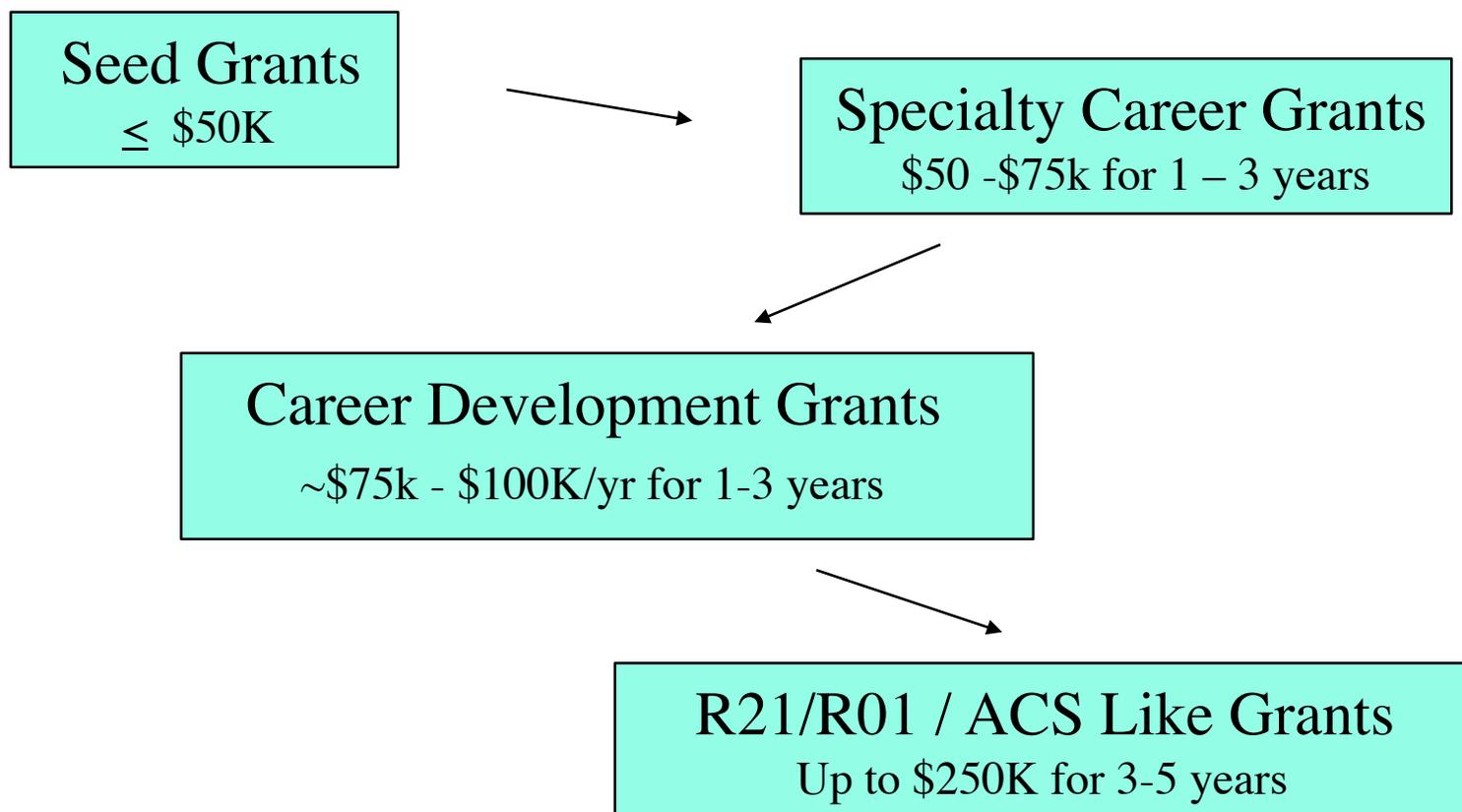
**\*\* 8 Individual  
1 Institution K  
Awards**

There are nine Different Career Development awards that individuals with a health professional doctorate should consider. Most of these awards support individuals after they have completed clinical training and have accepted a faculty position. There is the Mentored Clinical Scientist

Done

# **Non-NIH Funding Opportunities**

# Career Development Awards



# Non-NIH Funding Opportunities

AACR -- (<http://www.aacr.org>)

Research Funding & Fellowships

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## SCIENTISTS

Font Size: a a a Send to a Colleague Search GO Advanced Search Quick Links

Home > Scientists > Research Funding & Fellowships

### SCIENTISTS

- Submit a Manuscript
- Publications of the AACR
- Meetings & Workshops
- Love/Avon Army of Women
- Scientific Achievement Awards
- Research Funding & Fellowships**

- Bladder Cancer Research Grants
- Caring for Carcinoid Foundation-AACR Grants for Carcinoid Tumor and Pancreatic Neuroendocrine Tumor Research
- Landon Foundation-AACR INNOVATOR Grant for Personalized Cancer Medicine
- Landon-AACR INNOVATOR Award for Cancer Prevention Research
- Pancreatic Cancer Action Network-AACR Innovative Grants

### Research Funding & Fellowships

A hallmark of the AACR is the promotion and support of the highest quality cancer research. The AACR offers an outstanding array of support mechanisms for cancer researchers at various stages in their careers, from fellowships to career development awards to major grants for independent investigators.

Since establishing its grant program in 1993, the AACR has awarded nearly \$110 million to support 254 meritorious research projects.

Grant opportunities are listed on the AACR website as soon as funding becomes available.

Interested applicants can also view closed grant opportunities as an example of the types of funding that are typically available.

Applicants are strongly encouraged to read the eligibility criteria carefully for each grant. Requirements of residency, citizenship, seniority, and research area are specific to each award or grant. The majority of AACR grants are open to researchers all over the world, while some are limited to investigators conducting research in the U.S.

#### Open Applications:

- Pancreatic Cancer Action Network-AACR Innovative Grants  
Letter of Intent Deadline: October 4, 2010, at 12:00 noon, ET
- Pancreatic Cancer Action Network-AACR Pathway to Leadership Grant  
Application Deadline: October 27, 2010, at 12:00 noon, ET

**Funding Opps for PhDs and MDs**

**\*\*\*Basic Research & Clinical Fellowships and Career Development Awards**

# Non-NIH Funding Opportunities

American Cancer Society – <http://www.cancer.org>

Susan G. Komen for the Cure – <http://www5.komen.org>

American Society of Clinical Oncology (ASCO) –  
<http://www.ascofoundation.org>

American Association of Physicists in Medicine (AAPM) –  
<http://www.aapm.org/education/GrantsFellowships.asp>

- Training and clinical grants, fellowships, seed grants....

# Non-NIH Funding Opportunities

American Society for Radiation Oncology (ASTRO) -

<http://www.astro.org/Research/FundingOpps>

- Training, Young Investigators, Basic Science /Clinical Science Research Awards

DOD – Congressionally Directed Medical Research Programs

(CDMRP) <http://cdmrp.army.mil>

- Breast, ovarian, prostate cancer, etc. research grants
- Career development awards – all levels

Radiological Society of North America (RSNA) –

<http://www.rsna.org/Foundation/programs.cfm>

- Research scholar, resident/fellow/medical student grants