

<b>Federal Funding Mechanisms</b>	
<b>"F" Individual Fellowships</b>	
<b>F31</b>	<b>Predoctoral Individual National Research Service Award</b> To provide predoctoral individuals with supervised research training in specified health and health-related areas leading toward the research degree (e.g., Ph.D.).
<b>F32</b>	<b>Postdoctoral Individual National Research Service Award</b> To provide postdoctoral research training to individuals to broaden their scientific background and extend their potential for research in specified health-related areas.
<b>F33</b>	<b>National Research Service Awards for Senior Fellows</b> To provide opportunities for experienced scientists to make major changes in the direction of research careers, to broaden scientific background, to acquire new research capabilities, to enlarge command of an allied research field, or to take time from regular professional responsibilities for the purpose of increasing capabilities to engage in health-related research. "K" Career Development Awards: Awarded to individuals who have the potential to become outstanding investigators and to those who, later in their careers, have demonstrated the capacity to continue to be exceptionally creative scientists and mentors to younger researchers. These grants provide a portion of salary support to free time for the conduct of research.
<b>"K" Career Development Awards: Awarded to individuals who have the potential to become outstanding investigators and to those who, later in their careers, have demonstrated the capacity to continue to be exceptionally creative scientists and mentors to younger researchers. These grants provide a portion of salary support to free time for the conduct of research.</b>	
<b>K01</b>	<b>Research Scientist Development Award - Research &amp; Training</b> For support of a scientist, committed to research, in need of both advanced research training and additional experience.
<b>K05</b>	<b>Established Investigator Award in Cancer Prevention, Control, Behavioral, and Population Research</b> For the support of a research scientist qualified to pursue independent research which would extend the research program of the sponsoring institution, or to direct an essential part of this research program.
<b>K07</b>	<b>Cancer Prevention, Control, Behavioral, and Population Sciences Career Development Award</b>
<b>K08</b>	<b>Clinical Investigator Award (CIA)</b> To provide the opportunity for promising medical scientists with demonstrated aptitude to develop into independent investigators, or for faculty members to pursue research aspects of categorical areas applicable to the awarding unit, and aid in filling the academic faculty gap in these shortage areas within health profession's institutions of the country.
<b>K08</b>	<b>Minorities in Clinical Oncology</b>
<b>K12</b>	<b>Institutional Clinical Oncology Research Career Development Award</b> To support a newly trained clinician appointed by an institution for development of independent research skills and experience in a fundamental science within the framework of an interdisciplinary research and development program.
<b>K22</b>	<b>The NCI Transition Career Development Award for Underrepresented Minorities</b> To provide support to outstanding newly trained basic or clinical investigators to develop their independent research skills through a two phase program; an initial period involving and intramural appointment at the NIH and a final period of support at an extramural institution. The award is intended

	to facilitate the establishment of a record of independent research by the investigator in order to sustain or promote a successful research career.
<b>K22</b>	<b>The NCI Scholars Program</b> To provide an opportunity for outstanding new investigators to begin their independent research careers, first within the special environment of the National Cancer Institute and then at an institution of their choice. Specifically, this Program provides necessary resources to initiate an independent research program of 3 to 4 years at the NCI followed by an extramural funding mechanism (K22) to support their research program for 2 years at the extramural institution to which they are recruited.
<b>K23</b>	<b>Mentored Patient-Oriented Research Career Development Award</b>
<b>K23</b>	<b>Mentored Patient-Oriented Research Career Development Award for Underrepresented Minorities</b> To provide support for the career development of investigators who have made a commitment of focus their research endeavors on patient-oriented research. This mechanism provides support for a 3 year minimum up to 5 year period of supervised study and research for clinically trained professionals who have the potential to develop into productive, clinical investigators.
<b>K24</b>	<b>Mid-career Investigator Award in Patient-Oriented Research</b> To provide support for clinicians to allow them protected time to devote to patient-oriented research and to act as mentors for beginning clinical investigators. The target candidates are outstanding clinical scientists engaged in patient-oriented research who are within 15 years of their specialty training, who can demonstrate the need for a period of intensive research focus as a means of enhancing their clinical research careers, and who are committed to mentoring the next generation of clinical investigators in patient-oriented research.
<b>K25</b>	<b>Mentored Quantitative Research Career Development Award</b> To support the career development of investigators with non-biomedical quantitative and engineering backgrounds who have made a commitment to focus their research career on basic or clinical medical research.
<b>“L” Loan Repayment</b>	
<b>L30</b>	<b>Loan Repayment Program for Clinical Researchers</b> To provide for the repayment of the educational loan debt of qualified health professionals involved in clinical research. Qualified health professionals who contractually agree to conduct qualified clinical research are eligible to apply for this program.
<b>L32</b>	<b>Loan Repayment Program for Clinical Researchers from Disadvantaged Backgrounds</b> To provide for the repayment of the educational loan debt of qualified health professionals from disadvantaged backgrounds involved in clinical research. Qualified health professionals from disadvantaged backgrounds who contractually agree to conduct qualified clinical research are eligible to apply for this program.
<b>L40</b>	<b>Loan Repayment Program for Pediatric Research</b> To provide for the repayment of the educational loan debt of qualified health professionals involved in research directly related to diseases, disorders, and other conditions in children. Qualified health professionals who contractually agree to conduct qualified pediatric research are eligible to apply for this program.
<b>L50</b>	<b>Loan Repayment Program for Contraception and Infertility Research</b> To provide for the repayment of the educational loan debt of qualified health professionals (including graduate students) who contractually agree to commit to conduct qualified contraception and/or infertility research.
<b>L60</b>	<b>Loan Repayment Program for Health Disparities Research (HD-LRP)</b> To provide for the repayment of the educational loan debt of qualified health professionals involved in minority health and health disparities research, for the purposes of improving minority health and reducing health disparities. Qualified health professionals who contractually agree to conduct qualified

	minority health disparities research or other health disparities research eligible to apply for this program.
<b>“P” Program Project Grants/Center Grants</b>	
<b>P01</b>	<b>Research Program Projects Grants</b> To support multidisciplinary or multifaceted research programs that have a focused theme. Each component project should be directly related to and contribute to the common theme.
<b>P20</b>	<b>Exploratory Grants</b> To support planning for new programs, expansion or modification of existing resources, and feasibility studies to explore various approaches to the development of interdisciplinary programs that offer potential solutions to problems of special significance to the mission of the NIH. These exploratory studies may lead to specialized or comprehensive centers.
<b>P30</b>	<b>Center Core Grants</b> To support shared use of resources and facilities for categorical research by investigators from different disciplines who provide a multidisciplinary approach to a joint research effort, or by investigators from the same discipline who focus on a common research problem. The core grant is integrated with the center’s component projects or Program Projects, though funded independently from them. This support, by providing more accessible resources, is expected to assure greater productivity than that provided through the separate projects and Program Projects.
<b>P50</b>	<b>Specialized Center Grants</b> To support any part of the full range of research and development from very basic to clinical; may involve ancillary supportive activities such as protracted patient care necessary to the primary research or R & D effort. The spectrums of activities comprise a multidisciplinary attack on a specific disease entity or biomedical problem area. There grants differ from program project grants in that they are usually developed in response to an announcement of the programmatic needs to an Institute or Division and subsequently receive continuous attention from staff. Centers may also serve as regional or national resources for special research purposes.
<b>“R” Research Grants</b>	
<b>R01</b>	<b>Research Project</b> Grants are awarded to institutions to allow a Principal Investigator to pursue a scientific focus or objective in his or her area of interest and competence. Institutional sponsorship assures the NIH that the institution will provide facilities necessary to conduct the research and will be accountable for the grant funds. Applications are accepted for health-related research and development in all areas within the scope of the NIH’s mission.
<b>R03</b>	<b>Small Research Grants</b> Small grants provide research support, specifically limited in time and amount, for activities such as pilot projects, testing of new techniques, or feasibility studies of innovative, high-risk research, which would provide a basis for more extended research.
<b>R13</b>	<b>Conference</b> The NIH provides funding for conferences to coordinate, exchange, and disseminate information related to its program interests. Generally, such awards are limited to participation with other organizations in supporting conferences rather than provision of sole support. Costs eligible for support include salaries, consultant services, equipment rental, travel, supplies, conference services, and publications. Prospective applicants are encouraged to inquire in advance concerning possible interest on the part of an awarding Institute/Center (IC), and to obtain more information on application procedures and costs.
<b>R15</b>	<b>The NIH Academic Research Enhancement Awards (AREA)</b> To enhance the research environment of educational institutions that have not been traditional recipients of NIH research funds, this award provides limited funds to those institutions’ faculty members to develop new research projects or expand ongoing research activities in health sciences and to encourage students to participate in the research activity. As funds are anticipated to continue to be available each year, the NIH is now inviting applications for AREA grants through a standing, ongoing Program

	Announcement.
<b>R18</b>	<b>Research Demonstration and Dissemination Projects</b> To provide support designed to develop, test, and evaluate health service activities, and to foster the application of existing knowledge for the control of categorical diseases.
<b>R21</b>	<b>Exploratory/Developmental Grants</b> To encourage the development of new research activities in categorical program areas. (Support generally is restricted in level of support and duration.)
<b>R24</b>	<b>Resource-Related Research Projects</b> To support research projects that will enhance the capability of resources to serve biomedical research.
<b>R25T</b>	<b>Cancer Education and Career Development Program</b> To support development and/or implementation of a program related to a category in one or more of the areas of education, information, training, technical assistance, coordination, or evaluation.
<b>R33</b>	<b>Exploratory/Developmental Grants Phase II</b> To provide a second phase for support of innovative exploratory and developmental research activities initiated under the R21 mechanism. Although only R21 awardees are generally eligible to apply for R33 support, specific program initiatives may establish eligibility criteria under which applications could be accepted from applicants who demonstrate program competency equivalent to that expected under R33.
<b>R34</b>	<b>Clinical Trial Planning Grant</b> To provide support for the initial development of a clinical trial, including the establishment of the research team; the development of tools for data management and oversight of the research; and, the development of a trial design and other essential elements of the study, such as the protocol, recruitment strategies, and procedure manuals.
<b>R36</b>	<b>Dissertation Award</b> To support dissertation research costs of students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions). Dissertation awards are not renewable.
<b>R37</b>	<b>Method to Extend Research in Time (MERIT) Award</b> To provide long-term grant support to investigators whose research competence and productivity are distinctly superior and who are highly likely to continue to perform in an outstanding manner. Investigators may not apply for a MERIT award. Program staff and/or members of the cognizant National Advisory Council/Board will identify candidates for the MERIT award during the course of review of competing research grant applications prepared and submitted in accordance with regular PHS requirements.
<b>R55</b>	<b>James A. Shannon Director's Award</b> To provide a limited award to investigators to further develop, test, and refine research techniques; perform secondary analysis of available data sets; test the feasibility of innovative and creative approaches; and conduct other discrete projects that can demonstrate their research capabilities and lend additional weight to their already meritorious applications.
<b>“R-41-44” Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs</b> The NIH welcomes grant applications from small businesses in any biomedical or behavioral research area as described in the solicitations below. Support under the SBIR program is normally provided for 6 months/\$100,000 for Phase I, and 2 years/\$500,000 for Phase II. However, applicants may propose longer periods of time and greater amounts of funds necessary for completion of the project.	
<b>R41</b>	<b>Small Business Technology Transfer (STTR) Grants - Phase I</b> To support cooperative R&D projects between small business concerns and research institutions, limited in time and amount, to establish the technical merit and feasibility of ideas that have potential for commercialization.

<b>R42</b>	<b>Small Business Technology Transfer (STTR) Grants - Phase II</b> To support in-depth development of cooperative R&D projects between small business concerns and research institutions, limited in time and amount, whose feasibility has been established in Phase I and that have potential for commercial product(s) or service(s).
<b>R43</b>	<b>Small Business Innovation Research Grants (SBIR) - Phase I</b> To support projects, limited in time and amount, to establish the technical merit and feasibility of R&D ideas that may ultimately lead to commercial products or services.
<b>R44</b>	<b>Small Business Innovation Research Grants (SBIR) - Phase II</b> To support in-depth development of R&D ideas whose feasibility have been established in Phase I that are likely to result in commercial products or services.
<b>“T” Institutional Training Grants</b>	
<b>TU2</b>	<b>Institutional National Research Service Award with Involvement of NIH Intramural Faculty</b> The cooperative agreement counterpart to the T32, this award enables institutions to provide research-training experiences for graduate students and postdoctoral scientists in specified shortage areas. In addition, these awards involve identified NIH Intramural Staff who serve as a part of the training faculty and participate in the operation of the training program.
<b>T15</b>	<b>Continuing Education Training Program</b>
<b>T32</b>	<b>NIH National Research Service Award – Institutional Research Training Grants</b> To enable institutions to make National Research Service Awards to individuals selected by them for predoctoral and postdoctoral research training in specified shortage areas.
<b>T34</b>	<b>MARC Undergraduate NRSA Institutional Grants</b> To enable minority institutions to make National Research Service Awards to individuals selected by them for predoctoral and postdoctoral research training in the biomedical and behavioral sciences.
<b>“U” Cooperative Agreements</b>	
<b>U01</b>	<b>Research Project</b> To support a discrete, specified, circumscribed project to be performed by the named investigator(s) in an area representing his specific interest and competencies.
<b>U10</b>	<b>Cooperative Clinical Research--Cooperative Agreements</b> To support clinical evaluation of various methods of therapy and/or prevention in specific disease areas. These represent cooperative programs between sponsoring institutions and participating principal investigators, and are usually conducted under established protocols.
<b>U13</b>	<b>Conference--Cooperative Agreements</b>
<b>U19</b>	<b>Research Program--Cooperative Agreements</b> To support a research program of multiple projects directed toward a specific major objective, basic theme or program goal, requiring a broadly based, multidisciplinary and often long-term approach.
<b>U24</b>	<b>Resource-Related Research Projects--Cooperative Agreements</b> To support research projects contributing to improvement of the capability of resources to serve biomedical research.
<b>U42</b>	<b>Animal (Mammalian and Nonmammalian) Model, and Animal and Biological Materials (NCRR)</b>
<b>U43</b>	<b>Small Business Innovative Research Grant (SBIR/Phase I)</b>
<b>U44</b>	<b>Small Business Innovative Research Grant (SBIR/Phase II)</b>

U54	<p><b>Specialized Center-Cooperative Agreements</b></p> <p>To support any part of the full range of research and development from very basic to clinical; may involve ancillary supportive activities such as protracted patient care necessary to the primary research or R&amp;D effort. The spectrum of activities comprises a multidisciplinary attack on a specific disease entity or biomedical problem area. These differ from program project in that they are usually developed in response to an announcement of the programmatic needs of an Institute or Division and subsequently receive continuous attention from its staff. Centers may also serve as regional or national resources for special research purposes, with funding component staff helping to identify appropriate priority needs.</p>
U56	<p><b>Exploratory Grants--Cooperative Agreements</b></p> <p>To support planning for new programs, expansion or modification of existing resources, and feasibility studies to explore various approaches to the development of interdisciplinary programs that offer potential solutions to problems of special significance to the mission of the NIH. These exploratory studies may lead to specialized or comprehensive centers. Substantial Federal programmatic staff involvement is intended to assist investigators during performance of the research activities, as defined in the terms and conditions of award.</p>

### **FAQs about Federal Funding**

*How do I find the funding mechanism that's right for me?*

#### **NIH Career Award Wizard**

The Career Award Wizard is designed to help you identify an Individual NIH Career Award that might be right for you. Please be warned that it isn't fool-proof. After you have identified a program that looks like it might work and you've downloaded and read the program announcement, please call the identified contact at the most likely funding Institute or Center and confirm your selection. This call might save you a lot of time and effort so it is very important to make that call before you begin work on your application.

To access the NIH Career Wizard, visit: <http://grants.nih.gov/training/kwizard/index.htm>

*Where can I learn more about the Grant-review process?*

#### **Center for Scientific Review - Oncological Sciences (ONC) Integrated Review Group (IRG) – Study Sections**

Review activities of the Center for Scientific Review (CSR) are organized into Integrated Review Groups (IRGs). Each IRG represents a cluster of study sections around a general scientific area. Applications generally are assigned first to an IRG, and then to a specific study section within that IRG for evaluation of scientific merit.

The Oncological Sciences [ONC] Integrated Review Group (IRG) will consider applications involving basic, translational, and clinical investigations that encompass cancer prevention, initiation, promotion, progression, diagnosis and treatment. Specifically, the ONC IRG reviews research grant applications related to chemical carcinogenesis, cancer genetics, nutritional carcinogenesis, radiation effects, and tumor biology; mechanism of action of cancer therapeutic agents in both in vitro and in vivo model systems; development and evaluation of experimental therapies of neoplastic diseases, translation of basic research to clinical practice; development or optimization of treatment modalities; chemoprevention; and development of biomarkers/signatures for tumor detection and diagnosis.

*Where can I find additional information on the Federal Grants Process?*

**NIH-NCI Grants Administration Branch (GAP)**

The Grants Administration Branch is the focal point for all business-related activities associated with the negotiation, award, and administration of grants and cooperative agreements within the National Cancer Institute (NCI). The purpose of this section is to express briefly the spirit and manner in which these functions are carried out by the Grants Administration Branch.