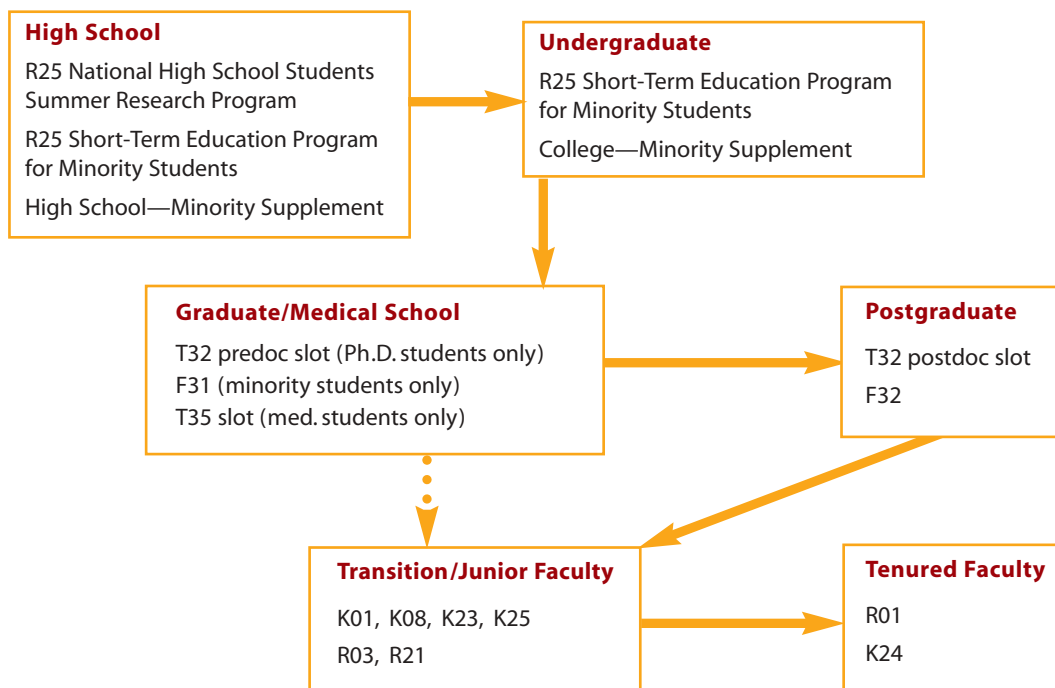


TRAINING

and Career Development Funding

The National Institute of Diabetes and Digestive and Kidney Diseases is one of more than 27 Institutes and Centers that constitute the National Institutes of Health (NIH). Each Institute and Center offers opportunities for training scientists and students, both at the NIH campus in Bethesda, Maryland, and through financial support to individuals at universities and medical schools throughout the United States.

“Typical” Research Career Pathway



Visit the NIDDK training Web page: <http://www.niddk.nih.gov/fund/training/training.htm>.

National High School Students Summer Research Program— NIDDK/NIH and Charles R. Drew University

Complete instructions and an application are available at

<http://www.niddk.nih.gov/fund/divisions/omhrc/stusummer.html>.

PURPOSE

To increase the number of ethnic minorities involved in biomedical research. The 8- to 10-week program provides high school students with opportunities to learn about biomedical research by being actively involved in a project, being a member of a scientific research team, understanding collective responsibility, and presenting their research project to a panel of experienced researchers and their peers at the National Institutes of Health (NIH) in Bethesda, Maryland.

ELGIBILITY

The students must (1) obtain a grade average of a “B” or above and (2) be in 9th through 12th grade at the time of the application due date.

APPLICATION PROCESS

The students must submit (1) a completed application form, (2) an essay statement of the reason for participation in the program (limited to 250 words), (3) an official academic transcript in an envelope sealed by the appropriate school official, (4) a signed parental consent form, and (5) a completed W-9 form.

APPLICATION DEADLINE: February 1

NIDDK Short-Term Education Program for Minority Students (R25)

A list of participating institutions is available at

<http://www.niddk.nih.gov/fund/divisions/omhrc/shorttermed.html>.

PURPOSE

To provide short-term research education for underrepresented minority high school and/or undergraduate students to expose them to research in an area of science relevant to the interests of NIDDK.

ELIGIBILITY

High school students, who have completed the 10th grade, and undergraduate students, who will have completed at least 1 year at an accredited school or university (including baccalaureate schools of nursing) at the time their research experience would begin and who are in good academic standing at their school, are eligible to participate in the program.

APPLICATION PROCESS

The application process may vary depending on the institution. Please contact the Principal Investigator of the participating institution of your choice.

APPLICATION DEADLINE

The application deadline may vary depending on the institution. Please contact the Principal Investigator of the participating institution.

Institutional Training Grant (T32) Supplemental Slot Program

Complete instructions are available at

<http://www.niddk.nih.gov/fund/training/minorityslotinstruc.htm>.

PURPOSE

To ensure that every well-qualified underrepresented minority predoctoral or postdoctoral fellow can be supported by NIDDK-funded training grants, even if all the awarded positions are already filled.

ELIGIBILITY

Predocctoral students or postdoctoral fellows (M.D., Ph.D., or the combined M.D./Ph.D.) from groups traditionally underrepresented in the biomedical and behavioral sciences — African-Americans, Hispanic/Latino Americans, Native Hawaiians and other Pacific Islanders, and American Indians and Alaska Natives — who are otherwise eligible for the particular program to which they have applied, and who would be accepted into the program *except* for the fact that all slots are filled, are eligible for a supplemental slot. NIDDK T32 Principal Investigators are sent a reminder each year that this mechanism of support is available. A complete list of NIDDK-funded T32 programs is available at: <http://www.niddk.nih.gov/fund/training/T32table.htm>. U.S. citizenship or permanent resident status is required of all appointees to T32 training programs.

APPLICATION PROCESS

A T32 Principal Investigator contacts the appropriate NIDDK program staff member to make sure the candidate is eligible and then prepares the application packet, which consists of (1) a letter from the Principal Investigator of the T32 program indicating how the candidate was selected; (2) the candidate’s curriculum vitae; (3) a statement from the candidate regarding his or her career goals and commitment to a career in research; and (4) outlines of both the training and the research plans for the candidate, prepared jointly by the candidate and his or her mentor.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
Anytime	Within 1 month of receipt	Within 2 months of receipt	As requested

National Research Service Awards for Individual Postdoctoral Fellows (F32)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To allow postdoctoral fellows to become productive, independent investigators in biomedical or behavioral sciences.

ELIGIBILITY

Postdoctoral fellows must (1) be U.S. citizens or obtain permanent resident status; (2) have received a Ph.D., an M.D., or equivalent doctoral degree from an accredited domestic or foreign institution; and (3) identify a sponsoring institution and a sponsor.

APPLICATION PROCESS

You must use PHS 416 forms, indicating on the front page that you are responding to the current NIH Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be submitted. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
April 5	June/July	October	December
August 5	October/November	January	April
December 5	April/May	May	July

National Research Service Awards for Senior Fellows (F33)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To allow experienced investigators to make major changes in the direction of their research careers or to broaden their scientific background by acquiring new research capabilities. These awards will allow independent investigators with at least 7 years of research experience beyond the doctorate to take time from regular professional responsibilities for the purpose of receiving training to increase their scientific capabilities. This program is not designed for postdoctoral-level investigators seeking to prove their research potential prior to independence.

ELIGIBILITY

Investigators must (1) be U.S. citizens or obtain permanent resident status and (2) be at least 7 years beyond the qualifying doctoral degree. The individual will have established an independent research career and is now seeking support for retraining or additional career development.

APPLICATION PROCESS

You must use PHS 416 forms, indicating on the front page that you are responding to the current NIH Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be submitted. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
April	June/July	October	December
August	October/November	January	April
December	April/May	May	July

NIDDK Mentored Research Scientist Development Award (K01)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide support for the critical transition period between postdoctoral training and independence for basic scientists engaged in research in areas of investigation that are important to NIDDK. The 3 years of mentored, protected time should allow the applicant to generate the data needed for his or her first independent grant application, ideally an R01.

ELIGIBILITY

The applicant must be a U.S. citizen or have permanent resident status and (1) have earned a Ph.D. or other doctoral-level research degree; (2) have completed at least 2, but usually not more than 5, years of postdoctoral research training; (3) identify a mentor(s) with extensive research experience; and (4) be willing to spend a minimum of 75 percent of his or her full-time effort conducting research and pursuing career development activities for the period of the award.

APPLICATION PROCESS

You must use PHS 398 forms, using the substitute pages for “Research Career Awards” where appropriate. On the face page indicate that you are responding to the current NIDDK Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be included as part of the application. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
February 1	June/July	October	December
June 1	October/November	January	April
October 1	February/March	May	July

Mentored Clinical Scientist Development Award (K08)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide support for the critical transition period between fellowship training and independence for physician-scientists engaged in research in areas of investigation that are important to NIDDK. The 3, 4, or 5 years of mentored, protected time should allow the applicant to generate the data needed for his or her first independent grant application, ideally an R01, as well as engage in appropriate career development activities and course work. Clinical or basic, but not patient-oriented, research projects are appropriate.

ELIGIBILITY

The applicant must be a U.S. citizen or have permanent resident status and (1) have earned a clinical doctoral degree, usually an M.D. or the combined M.D./Ph.D.; (2) have completed his or her clinical training and usually 1 to 3 years of postdoctoral training; (3) identify a mentor(s) with extensive research experience; and (4) be willing to spend a minimum of 75 percent of his or her full-time effort conducting research and pursuing career development activities for the period of the award.

APPLICATION PROCESS

You must use PHS 398 forms, using the substitute pages for “Research Career Awards” where appropriate. On the face page indicate that you are responding to the current NIH Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be included as part of the application. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
February 1	June/July	October	December
June 1	October/November	January	April
October 1	February/March	May	July

Mentored Patient-Oriented Research Career Development Award (K23)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide support for the critical transition period between clinical training and independence for physician-scientists engaged in patient-oriented research in areas of investigation that are important to NIDDK. The 3, 4, or 5 years of mentored, protected time should allow the applicant to generate the data needed for his or her first independent grant application, as well as engage in appropriate career development activities and course work.

ELIGIBILITY

The applicant must be a U.S. citizen or have permanent resident status and (1) have earned a clinical doctoral degree, usually an M.D. or the combined M.D./Ph.D.; (2) have completed his or her clinical training; (3) identify a mentor(s) with extensive research experience; and (4) be willing to spend a minimum of 75 percent of his or her full-time effort conducting research and pursuing career development activities for the period of the award.

APPLICATION PROCESS

You must use PHS 398 forms, using the substitute pages for “Research Career Awards” where appropriate. On the face page indicate that you are responding to the current NIH Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be included as part of the application. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
February 1	June/July	October	December
June 1	October/November	January	April
October 1	February/March	May	July

Midcareer Investigator Award in Patient-Oriented Research (K24)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide support for clinical investigators to allow them protected time for pursuing patient-oriented research projects and for serving as mentors for more junior clinical investigators engaged in research in areas of investigation that are important to NIDDK. Funded, patient-oriented researchers who are serving as mentors may request support (up to the NIH maximum salary cap) for 25 to 50 percent of their time.

ELIGIBILITY

The applicant must be a U.S. citizen or have permanent resident status and (1) have earned a clinical doctoral degree, usually an M.D. or the combined M.D./Ph.D.; (2) have completed his or her specialty training usually within the past 15 years; (3) have independent support for his or her clinical research; (4) demonstrate the need for protected time to advance his or her career and serve as a mentor; and (5) have an institutional commitment for relieving him or her of nonresearch, nonmentoring activities so that 25 to 50 percent of his or her time is supported by the K24.

For the purposes of this program, “patient-oriented research” is defined as that conducted with human subjects (or on material of human origin, such as tissues, specimens, and cognitive phenomena) and for which an investigator directly interacts with human subjects.

APPLICATION PROCESS

You must use PHS 398 forms, using the substitute pages for “Research Career Awards” where appropriate. On the face page indicate that you are responding to the current NIH Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be included as part of the application. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
February 1	June/July	October	December
June 1	October/November	January	April
October 1	February/March	May	July

Mentored Quantitative Research Career Development Award (K25)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide support for researchers with quantitative scientific or technical backgrounds while they engage in biomedical research in areas of investigation that are important to NIDDK. The intent of the K25 is to encourage investigators with backgrounds in mathematics, engineering, physics, informatics, computer science, and so forth to integrate their expertise with biomedicine and to develop into independent, collaborative investigators.

ELIGIBILITY

The applicant must be a U.S. citizen or have permanent resident status and (1) have earned a Ph.D. or other advanced-level degree, such as an MSEE; (2) identify a mentor(s) with extensive research experience in an area of biomedical, not quantitative, research; and (3) be willing to spend a minimum of 75 percent of his or her full-time effort conducting research and pursuing career development activities for the period of the award.

APPLICATION PROCESS

You must use PHS 398 forms, using the substitute pages for “Research Career Awards” where appropriate. On the face page indicate that you are responding to the current NIH Program Announcement as listed on the addendum page inserted in the back of this book. At least three letters of recommendation must be included as part of the application. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
February 1	June/July	October	December
June 1	October/November	January	April
October 1	February/March	May	July

Research Supplements for Underrepresented Minorities

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide valuable research experience to high school students, undergraduates, graduate students, postdoctoral fellows, or investigators from ethnic or racial groups underrepresented in the biomedical or behavioral sciences. An NIDDK-funded investigator may request that support for anyone fitting this description be awarded as a supplement to his or her grant.

ELIGIBILITY

The student, fellow, or scientist must (1) be from a racial or ethnic group underrepresented in the biomedical or behavioral sciences and (2) identify a funded investigator with whom to work. The funded investigator must have an NIDDK-funded regular research project grant (R01), small grant (R03), program project grant (P01), or center grant that contains research components (e.g., pilot and feasibility awards or research projects). Supplements cannot be awarded for a time period longer than the length of the funded grant.

APPLICATION PROCESS

The application consists of (1) the face page of the PHS 398 application, indicating the parent grant title and institutional information and (2) a three- to four-page description of the proposed supplemental project that contains *from the funded investigator* (a) an abstract for the parent grant; (b) a description of the research experience or training proposed for the student, fellow, or scientist; (c) a description of how the research experience will enhance the independence of the minority individual *and* how the research relates to the parent grant; and (d) a signed statement attesting to the eligibility of the minority individual. *The individual to be supported* by the supplement must submit (1) a signed statement of his or her research objectives and career goals; (2) a biographical sketch, including any current funding; (3) a transcript of grades (when applicable); and (4) other assurances in the Program Announcement as listed on the addendum page inserted in the back of this book.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
Anytime	Every month	6–8 weeks after application	As requested

Predocctoral Fellowships for Underrepresented Minority Students (F31)

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To provide up to 5 years of funding (stipend and tuition expenses) for students enrolled in graduate programs leading to a Ph.D. or an M.D./Ph.D. These fellowships are designed to enhance the ethnic and racial diversity of the scientific workforce.

ELIGIBILITY

Graduate students from groups traditionally underrepresented in the biomedical and behavioral sciences—e.g., African-Americans, Hispanic/Latino Americans, Native Hawaiians and other Pacific Islanders, and American Indians and Alaska Natives—and who are already accepted into a graduate program that will lead to a Ph.D. or the combined M.D./Ph.D., are eligible. U.S. citizenship or permanent resident status is required. NIDDK will be assigned your application *if* your research area is one supported by NIDDK. Our programs broadly cover basic and clinical research in the areas of endocrinology and diabetology, gastroenterology, hepatology, urology, nephrology, hematology, and nutrition.

APPLICATION PROCESS

You must use the PHS 416 forms, indicating on the front page that you are responding to the current NIH Program Announcement as listed in the addendum page inserted in the back of this book. The following *additional items* must be submitted with your application: (1) three letters of recommendation, (2) transcripts of your undergraduate and any graduate school grades, (3) a copy of your GRE or MCAT results, and (4) a description of the degree program in which you are enrolled. Further specific instructions are contained in the Program Announcement.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
May 1	July	August	September 1
November 15	March	April	May 1

Short-Term Training Opportunities for Medical Students

Complete instructions are available at

<http://www.niddk.nih.gov/fund/training/minorityslotinstruc.htm>.

PURPOSE

To ensure that every interested underrepresented minority medical student has the opportunity to actively participate in biomedical research while still in medical school, with the hope that this participation will encourage more students to pursue research careers.

ELIGIBILITY

Medical students from groups traditionally underrepresented in the biomedical and behavioral sciences—e.g., African-Americans, Hispanic Americans, Native Hawaiians and other Pacific Islanders, American Indians and Alaska Natives—who have a 2- to 3-month period of time free from medical school courses and who are interested in biomedical research, are eligible. NIDDK T32 Principal Investigators are sent a reminder each year that this mechanism of support for short-term training is available. A complete list of NIDDK-funded T32 programs is available at <http://www.niddk.nih.gov/fund/training/T32table.htm>. U.S. citizenship or permanent resident status is required of all appointees to T32 training programs.

APPLICATION PROCESS

The T32 Principal Investigator contacts the appropriate NIDDK program staff to make sure the student is eligible and then prepares the application packet, which consists of (1) a letter from the Principal Investigator of the T32 program indicating how the student was selected; (2) a statement from the student regarding his or her career goals and interest in biomedical research; and (3) a brief outline of the research plans for the student, prepared jointly by the student and his or her mentor. Each T32 program may apply for 1 to 3 short-term slots each year. Stipends and training-related expenses are awarded at the current predoctoral level.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
Anytime	Within 1 month of receipt	Within 2 months of receipt	As requested

Small Grants for Underrepresented Minority Investigators

For complete instructions, please see the addendum page inserted in the back of this book.

PURPOSE

To allow well-trained junior investigators to demonstrate independence and obtain the preliminary data needed to submit a regular research project grant (R01) to NIH. This award is meant to follow a postdoctoral and/or a career development award, preferably from NIDDK.

ELIGIBILITY

Investigators from groups traditionally underrepresented in the biomedical and behavioral sciences—e.g., African-Americans, Hispanic/Latino Americans, Native Hawaiians and other Pacific Islanders, American Indians and Alaska Natives—are encouraged to apply *if* their research interests lie in areas supported by NIDDK. Our programs broadly cover basic and clinical research in endocrinology and diabetology, gastroenterology, hepatology, urology, nephrology, hematology, and nutrition. Publications and prior training should provide evidence of a commitment to a research career.

APPLICATION PROCESS

You must use PHS 398 forms, indicating on the front page that you are responding to the current NIDDK Program Announcement as listed on the addendum page inserted in the back of this book. The PHS 398 application requires an abstract of the research plan, a 10- to 25-page research plan (including the introduction, hypothesis, specific aims, and experimental design and methods), your curriculum vitae, and the literature citations used in preparing the application. In addition, this program requires that you submit a letter from an “expert” who will be available for consultation about the research you are proposing.

APPLICATION

Receipt Date	Review	Notification	Award Start Date
February 1	June/July	October	December
June 1	October/November	January	April
October 1	February/March	May	July