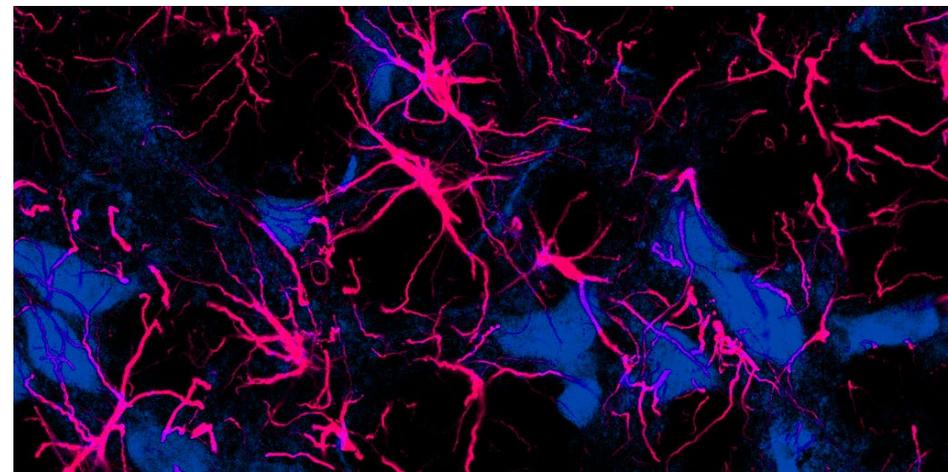
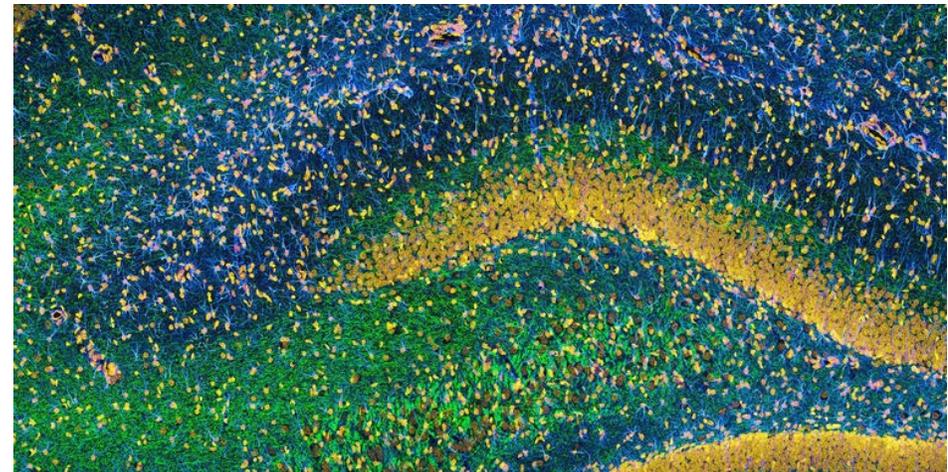
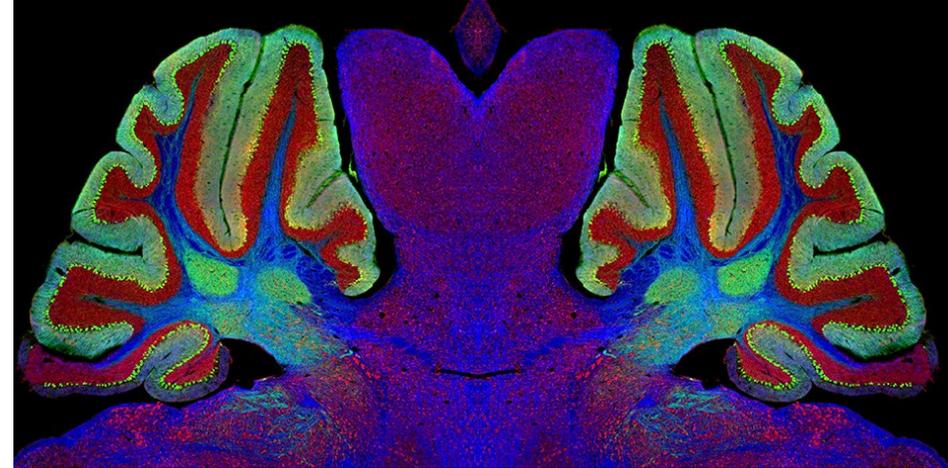




National Institute of
Neurological Disorders
and Stroke

OPEN Conversations: Postdoctoral and Junior Faculty Diversity Awards

December 2, 2021



The NINDS Diversity Office is “OPEN”

- Our goal is to open opportunities and access to enhance the diversity of the neuroscience workforce
- We develop and implement specific funding opportunities (individual and institutional) and work across the NINDS scientific portfolio to promote inclusion



General Advice for Trainees

- Understand the mechanism you're applying for – research grants vs. training or career development awards
 - Always **read the entire Funding Opportunity Announcement (FOA)** – purpose, guide notices, eligibility criteria, review criteria, etc., and follow all instructions.
- Program Officers are a resource to applicants
 - Contact [early](#) in the process - send **biosketch** and **specific aims** page.
 - Helpful to determine **eligibility** and **responsiveness** of proposal to the Institute(s) or Center's (IC's) mission and priorities
 - Reach out [after summary statement](#) is released to discuss next steps
- Go for it – don't self eliminate (and resubmit if needed)
 - If you do not apply, you do not get funded
 - Know what to apply for
 - Know when to apply
 - Know what resources are available to help you

NINDS Extramural Training and Career Development Programs

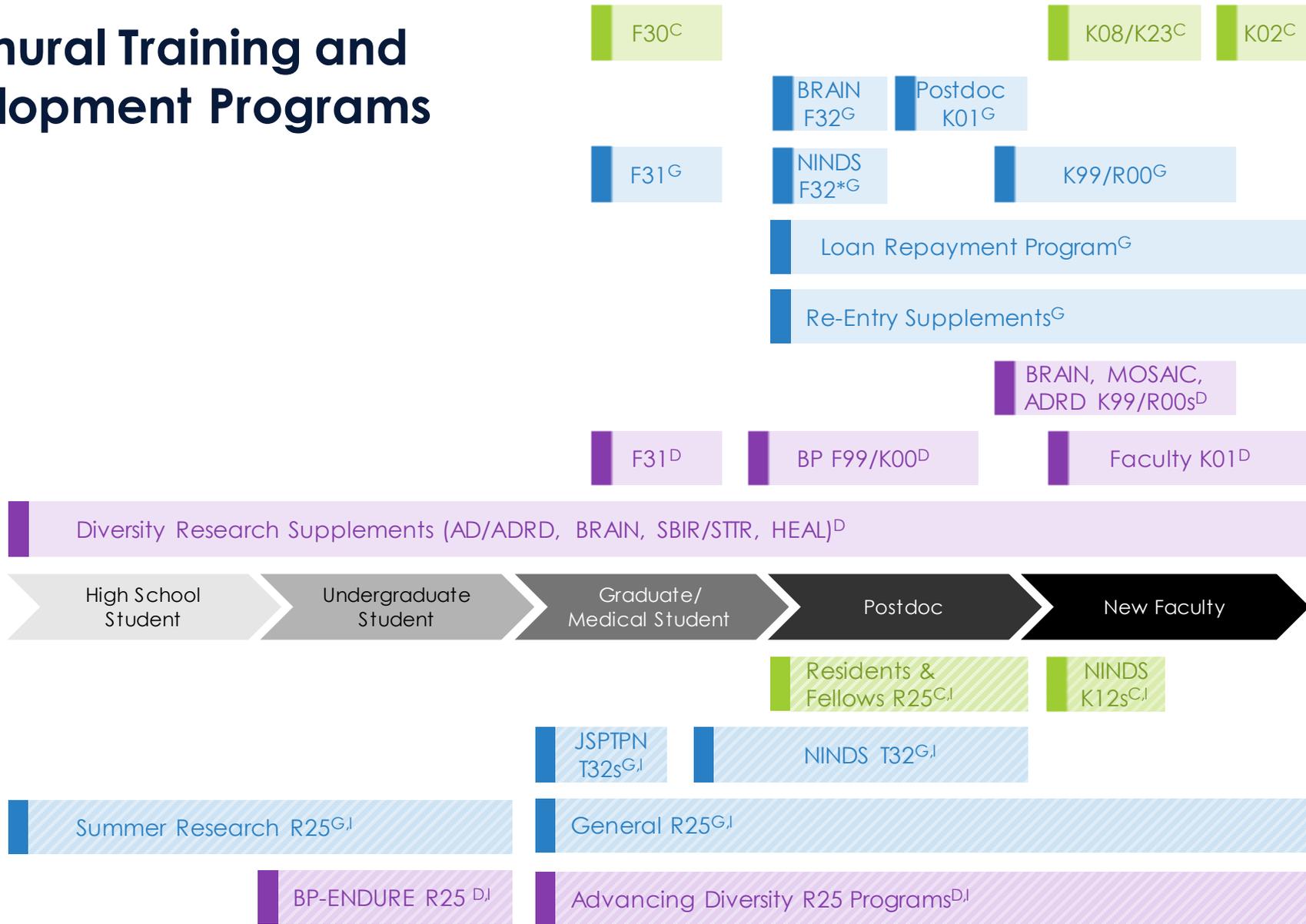
C-Clinician-scientist

G-General

D-Diversity

I-Institutional

*Eligibility measured from date joined lab



Research Supplements to Promote Diversity: Feeder Program and Bridge to Transition

Supplements to active NIH research grants to **support the training of underrepresented individuals and enhance the diversity of the research workforce**

- NIH Parent FOA (PA-21-071)
 - Alzheimer's Disease and Alzheimer's Disease-Related Dementias (NOT-NS-20-089)
 - HEAL (NOT-NS-20-023)
 - BRAIN Initiative (NOT-MH-19-038)
 - Supplements to Promote Diversity in Research and Development Small Businesses (PA-18-837)
 - Research Supplements to Promote Re-Entry and Re-integration into Health-Related Research Careers (NOT-OD-21-134)
-
- Administrative supplements to existing NIH research grants (R,P,U, etc.) - high school to faculty level
 - **Supplements provide salary and fringe benefits; funds for supplies and travel**
 - Sets up mentoring relationships with individual development plans
 - Typically 2-3 years of funding to provide **"bridge funds"** while the supplementee gains the research experience, preliminary data, and other requirements to develop an application for more traditional NIH funding.
 - **Feeder program for our Diversity Fs and Ks**



Postdoctoral Fellows

NINDS Ruth L. Kirschstein National Research Service Award (NRSA) for Training of Postdoctoral Fellows (F32)

Designed specifically to support outstanding scientific training for individuals who will begin or are just beginning a new postdoctoral training period in a given laboratory or research environment. [PAR-21-032](#)

Eligibility

- Applicants may apply within approximately 12 months *prior to joining* a postdoc lab to within the first 12 months *after starting* in that lab.
 - Support may be requested for a first or subsequent mentored postdoctoral position.
 - The eligibility window applies for both new and resubmission applications.
- US citizen or permanent resident

Timing

- Up to 3 years of aggregate Kirschstein-NRSA support at the postdoctoral level

Additional Notes

- Preliminary data are ***strongly discouraged***

For individuals who want to devote a significant period of time, under the guidance of an outstanding mentor, to developing an outstanding project

Eligibility

- May apply during years two through four of cumulative postdoctoral research experience
- US citizen or permanent resident

Timing

- Will support postdocs within the 6 years of cumulative postdoctoral research experience

Additional Notes

- Career development award, not an NRSA

- The current research environment is often perceived as very challenging (e.g., Developing a 21st Century Neuroscience Workforce, IOM).
- Attrition of talent occurs at each career transition as the goal of a research career is reconsidered
- A goal of the NIH is to “create seamless transitions for biomedical career advancement and progression”

To support both an initial mentored research experience (K99) followed by independent research (R00) for highly qualified postdocs to secure an independent research position

Eligibility

- No more than four years of postdoctoral research experience
- Open to non-citizens

Timing

- 1-2 years of support in K99 phase, 3 years of support in R00 phase

Additional Notes

- K99: \$50,000, \$20,000 research costs, plus fringe and indirects
- R00: \$249,000 total cost (must include fringe and indirects)

Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) K99/R00

K99/R00 awards will provide up to 5 years of support in two phases:

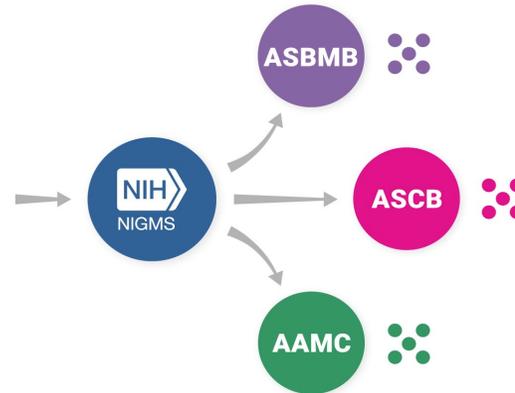
- **K99** phase provides support for up to 2 years of mentored **postdoctoral** research training and career development.
- **R00** phase provides up to 3 years of independent research support, contingent on satisfactory progress during the K99 phase and an approved, independent, **tenure-track (or equivalent) faculty position**.

Postdoctoral Career Transition
Award to Promote Diversity
(K99/R00) – [PAR-19-343](#)

**MOSAIC K99/R00
Applicants Compete**



**MOSAIC K99/R00 Scholars Participate
in Cohorts Organized by UE5**



Institutionally Focused Research Education
Cooperative Agreement to Promote
Diversity (UE5) – [PAR-19-342](#)

Participating ICs: NCCIH, NHGRI, NHLBI, NIA, NIAAA, NIAID, NIBIB, NIDA, NIDCD, NIDCR, NIEHS, NIGMS, NIMH, NIMHD, NINDS, NINR, NLM

<https://www.ninds.nih.gov/Funding/Training-Career-Development/Award/K99R00-MOSAIC-Postdoctoral-Career-Transition-Award-Promote>

MOSAIC K99/R00 – Required Attachments

- **Diversity statement** (1-page maximum). The application must include a diversity statement from the candidate (i.e., the postdoctoral fellow). Should include:
 - A description of the individual’s commitment to diversity in the biomedical sciences.
 - Any past or present leadership, mentoring and outreach activities to enhance diversity
 - Describe planned activities during the career award to develop or enhance skills in working effectively with talented scientists from a wide variety of backgrounds and to promote inclusive and equitable scientific biomedical research environments.
- Description of Candidate’s Contribution to Program Goals
 - The sponsoring institution must provide a document on institutional letterhead that explains how the candidate's participation will further the goals of the career development program to promote diversity in health-related research.
 - Must be dated and signed by an institutional official.

Applications lacking either attachment will not be reviewed

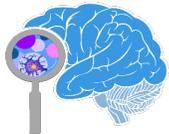
BRAIN Initiative® Advanced Postdoctoral Career Transition Award to Promote Diversity K99/R00

Purpose: The BRAIN K99/R00 is designed to increase biomedical research workforce diversity and foster a strong cohort of new, highly skilled and well trained, NIH-supported, independent investigators from diverse backgrounds (including nationally underrepresented groups) working in research areas supported by the BRAIN Initiative, as highlighted in BRAIN 2025: A Scientific Vision.



Postdoctoral fellow

- Less than **5 years experience**
- Requires 1-2 years of additional training



Must be relevant to the scientific goals of the BRAIN 2025 Report, in areas including but not limited to: engineering, computer science, statistics, mathematics, physics, chemistry, and neuroethics



Eligible candidates include:

- Individuals from underrepresented racial and ethnic groups (NOT-OD-20-031)
- Individuals with disabilities
- Women



U.S. citizen or permanent resident by time of award



U.S. domestic institution

NINDS Advanced Postdoctoral Career Transition Awards to Promote Diversity in AD/ADRD K99/R00

To support both an initial mentored research experience (K99) followed by independent research (R00) for highly qualified postdocs to secure an independent research position in Alzheimer's Disease or related dementias.

Eligibility

- No more than four years of postdoctoral research experience
- US citizen or permanent resident

Timing

- 1-2 years of support in K99 phase, 3 years of support in R00 phase

Additional Notes

- K99: \$50,000, \$20,000 research costs, plus fringe and indirect
- R00: \$249,000 total cost (must include fringe and indirect)



Faculty

NINDS Faculty Development Award to Promote Diversity in Neuroscience Research K01

For support of diverse faculty scientists committed to research, in need of both mentored research training and additional experience

Eligibility

- Must have a tenure-track or equivalent position by time of award
- In the first 3 years of a faculty position
- Underrepresented background; US citizen or permanent resident

Timing

- Up to 5 years of support, last two years contingent upon sufficient progress

Additional Notes

- \$95,000 salary, \$100,000 research costs, plus fringe and indirect

Diversity K01 Mentor Provides Sponsorship

- Mentoring is expected to be appropriate for this stage of career and "quick start" the tenure process
 - (i.e., navigate institutional expectations, scientific networks, and practices that are relevant to productivity and advancement at the institution)
- Each mentor and co-mentor(s) should clearly describe how they will coordinate mentoring of the candidate.
- One of mentors should be at the institution

To provide the opportunity for promising clinician scientists to develop into independent investigators, or for faculty members to pursue basic/translational or patient-oriented research

Eligibility

- Clinical doctoral degree holder
- Must be within 5 years of completing clinical training (defined as sequential years of residency and clinical fellowships)
- US citizen or permanent resident

Timing

- Supports up to 5 years of protected research time
- 75% (50% neurosurgeons) full time professional effort to research and career development

Additional Notes

- \$100,000 salary, \$51,000 research costs

Independent Scientist Award K02

For support of early to mid-career clinician-scientists in need of additional protected time committed to research

Eligibility

- Clinical doctoral degree holder
- Have completed postgraduate clinical training prior to application
- Hold a primary appointment in a clinical department
- US citizen or permanent resident

Timing

- Provides salary and research costs for the first three years, and continued salary support for years four and five

Additional Notes

- \$105,000 salary, \$50,000 research costs
- Once an applicant receives an R01 or equivalent award, they may obtain up to 80% of their institutional base salary from the K02

NIH Extramural Cohort Hiring: The NIH FIRST Program



- NIH Common Fund’s Faculty Institutional Recruitment for Sustainable Transformation (FIRST) program aims to enhance and maintain cultures of inclusive excellence in the biomedical research community
- The NIH FIRST Cohort Program is expected to
 - Fund 12 awards over the **next 3 years**
 - 1st Institutional awards were announced:
<https://commonfund.nih.gov/first/fundedresearch>
 - **The second announcement is released, RFA-RM21-025**
- **As a Postdoc Fellow/Junior Faculty** –the programs will recruit your talent BUT also are required to provide environments for “inclusive excellence” and a Faculty Development Core (mentorship, retention plan, protected research time, etc.)

NIH Early-Stage Investigator (ESI)

- **Definition of Early-Stage Investigator:** An individual who qualifies as a New Investigator and is within 10 years of completing his/her terminal research degree or is within 10 years of completing medical residency
- As a R00 you will retain your ESI status
- ESI extensions can be requested via an ESI Extension Request link found in the Education section of the PI's Personal Profile in [eRA Commons](#)
- ESI extension for one year for *each* childbirth
- Other reasons can include medical concerns, disability, family care responsibilities, natural disasters, and active duty military service-considered on a case-by-case basis.
- Receive special attention at Review (career stage) and at National Advisory Council (high program priority) and increased payline for scored R01 applications from Early-Stage Investigators

Early Career Reviewer Program

- **One of the best ways to build your grant writing skills is to serve as a reviewer.**
- **The NIH Center for Scientific Review (CSR) Early Career Reviewer (ECR) program was developed to:**
 - train qualified scientists without prior CSR review experience so that they may become effective reviewers,
 - help emerging researchers advance their careers by exposing them to peer review, and
- **ECR Qualifications:**
 - at least 1 year of experience as a fulltime faculty (Assistant Professor)
 - at least 1 senior-authored research publication in a peer-reviewed journal in the last 2 years (in press considered)
 - You must have submitted a grant proposal, in the PI/PD role, to the NIH and received the associated summary statement.
 - You have not held an R01 or R01-equivalent (R35, R37, RF1, R23, R29, DP1, DP2, DP5, U01, RL1) grant in the PD/PI role

<https://public.csr.nih.gov/ForReviewers/BecomeAReviewer/ECR>



Resources

- To see what has already been funded in your research area – you can search RePORT (Research Portfolio Online Reporting Tools) <https://projectreporter.nih.gov>
- Get to know projects that are ongoing in your research area
- Know potential collaborators and/or competition in the field
- Determine which NIH study sections review applications in specific fields
- Determine if there are any potential projects eligible for a supplement opportunities

Re-entry and Reintegration NOSI (NOT-OD-21-134)

- **Title:** *Notice of Special Interest (NOSI): Research Supplements to Promote Re-Entry and Re-integration into Health-Related Research Careers*
- **NOT-OD-21-134**, <https://grants.nih.gov/grants/guide/notice-files/not-od-21-134.html>
- **First Available Submission Due Date:** August 26, 2021
- The **Re-entry Supplements** program is intended to provide mentored research training opportunities for a minimum of 1 year to **re-enter** biomedical research to individuals with doctoral degrees, who have interrupted their research careers for family responsibilities or other qualifying circumstances.
- **The Re-integration Program** addresses the critical need to provide individuals, including predoctoral students, who are adversely affected by unsafe or discriminatory environments resulting from unlawful harassment, to rapidly transition into new safer, and more supportive research environments.

Administrative Supplements to Promote Research Continuity and Retention of K Awardees

- Supports recipients of mentored K awards to minimize departures from biomedical research workforce
- May be used to support additional personnel, computational services, supplies, and equipment that will promote the continuity of the career development research project during a period in which the PD/PI experiences critical life events that impact research progress or potential productivity
- The parent award must be able to receive funds at the time of the award. The supplement budget is limited to 1 year, cannot exceed a maximum direct cost of \$50,000, applicable F & A (indirect) cost can also be requested.

NINDS Funded Mentoring Hubs

- NINDS has at least 5 long-standing National programs (2 of which are scientific society based) targeted to mentorship, professional development, and creating networks/cohorts **specifically for postdocs and/or faculty**
 - *Society for Neuroscience* Scholars Program (NSP)
 - *American Academy of Neurology* Training in Research for Academic Neurologists to Sustain Careers and Enhance the Numbers of Diverse Scholars (TRANSCENDS)
 - Broadening the Representation of Academic Investigators in NeuroScience (BRAINS)
 - Mentoring Institute for Neuroscience Diversity Scholars (MINDS)
 - UAB Neuroscience Roadmap Scholars Program
 - Congruent Mentorship to Reach Academic Diversity (COMRADE) in Neuroscience Research at NYU (focus on behavioral neuroscience and health equity)

<https://www.ninds.nih.gov/Funding/Training-Career-Development/Award/R25-NIH-Neuroscience-Development-Advancing-Careers-Diverse>

Loan Repayment Programs

Designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers

Eligibility

- US citizen or permanent resident
- Hold a qualifying degree (M.D., Ph.D., D.O., D.D.S., D.M.D., D.P.M., D.V.M., A.D.N., B.S.N)
- 20% debt-to-income ratio
- Conduct qualified research at least 20 hours/week

Timing

- Repays up to \$50,000/year (plus resulting 39% federal tax) for two years of a researcher's qualified educational debt in return for a commitment to engage in NIH mission-relevant research

Clinical Research

Pediatric Research

Health Disparities
Research

Contraception &
Infertility Research

Clinical Disadvantaged
Backgrounds

Research in Emerging
Areas Critical to Human
Health (REACH)

NIH Applicant Assistance Program (AAP)

AAP is a 10-week program aimed at helping small businesses apply for **Phase I SBIR/STTR** funding

AAP provides:
Knowledgeable coaching support for application preparation at no cost

AAP does not provide:
A grant writer, small business registration, technical consulting

- **Open to US companies that have never received NIH SBIR/STTR funding**
- **Intended for applicants with little NIH grant writing experience, limited networks, and sparse access to support**
- **Diverse applicants highly encouraged to apply**

Each participating NIH institute and center has a finite number of slots for applicants
Participating institutes: NINDS, NCI, NIA, NHLBI, NINR, NCCIH, NCATS, NIEHS, NICHD, NIAAA

For eligible companies developing a Phase I application for April 5th

Submission Portal Open Now! - Apply [here](#)

NIH AAP Q&A Office Hours: December 6, 2021 at 2:00 PM ET - [Register here](#)

Applications Due: Friday, December 10, 2021 at 5:00 PM ET

Building Up the Nerve Podcast



This podcast from the National Institute of Neurological Disorders and Stroke (NINDS) was created to help neuroscience trainees navigate the life cycle of an NIH grant from idea to award with the help of NINDS staff who work behind-the-scenes (Season 1) and the NINDS grantees who have been through the process (Season 2).

We know that applying for NIH funding can be daunting; if you want to submit an NINDS training application or just want to hear some great career advice, this is the podcast for you!

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