



NINDS Health Disparities and Global Health Agenda

Neuronext Fellows
Clinical Trials Methodology Course

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NINDS Health Disparities Mission Statement

- The NINDS is committed to reducing the disproportionate burden of neurological disease borne by underserved groups of society, including racial and ethnic minority, rural, and socioeconomically disadvantaged populations, by funding a spectrum of research from basic science through clinical studies and training the next generation of health disparities investigators.



NINDS Office of Global Health and Health Disparities

MISSION STATEMENT:

- The NINDS Office of Global Health and Health Disparities leads the coordination and development of programs and initiatives that foster national and international research on disparities and inequities in neurological disease.
- Responsibilities of the Office include:
 - building sustainable capacity in Low and Middle-Income Countries (LMICs) to conduct and apply research to address public health challenges associated with neurological disorders;
 - supporting bilateral partnerships between the U.S. and middle-to high-income countries in research areas that are of mutual interest;
 - advancing research on tailored prevention and treatment strategies aimed at improving neurological health outcomes in underserved and understudied populations in the US, including racial and ethnic minority, rural, and socioeconomically disadvantaged populations, through investments in research and training.



HD Research in Stroke and Vascular Cognitive Impairment

- REGARDS (Reasons for Geographic and Racial Differences in Stroke)
- Northern Manhattan Study (NOMASS)
- Brain Attack Surveillance in Corpus Christi (BASIC)
- Greater Cincinnati/Northern Kentucky Stroke Study (GCNKSS)
- Alaska Native Stroke Registry (ANSR)
- Stroke Prevention/Intervention Research Program (SPIRP)
- Stroke Health and Risk Education (SHARE)
- Hip Hop Stroke
- Stroke Warning Information and Faster Treatment (SWIFT)
- A Multi-Ethnic Comparative Effectiveness Study for Diagnosis of Cardiogenic Stroke
- Detecting Cognitive Impairment, Including Dementia, in Primary Care and Other Everyday Clinical Settings for the General Public and in Health Disparities Populations
- Systematic Investigation of Blacks with Stroke - Genomics (SIBS-Genomics)



NINDS HD Training, Workshops and Infrastructure

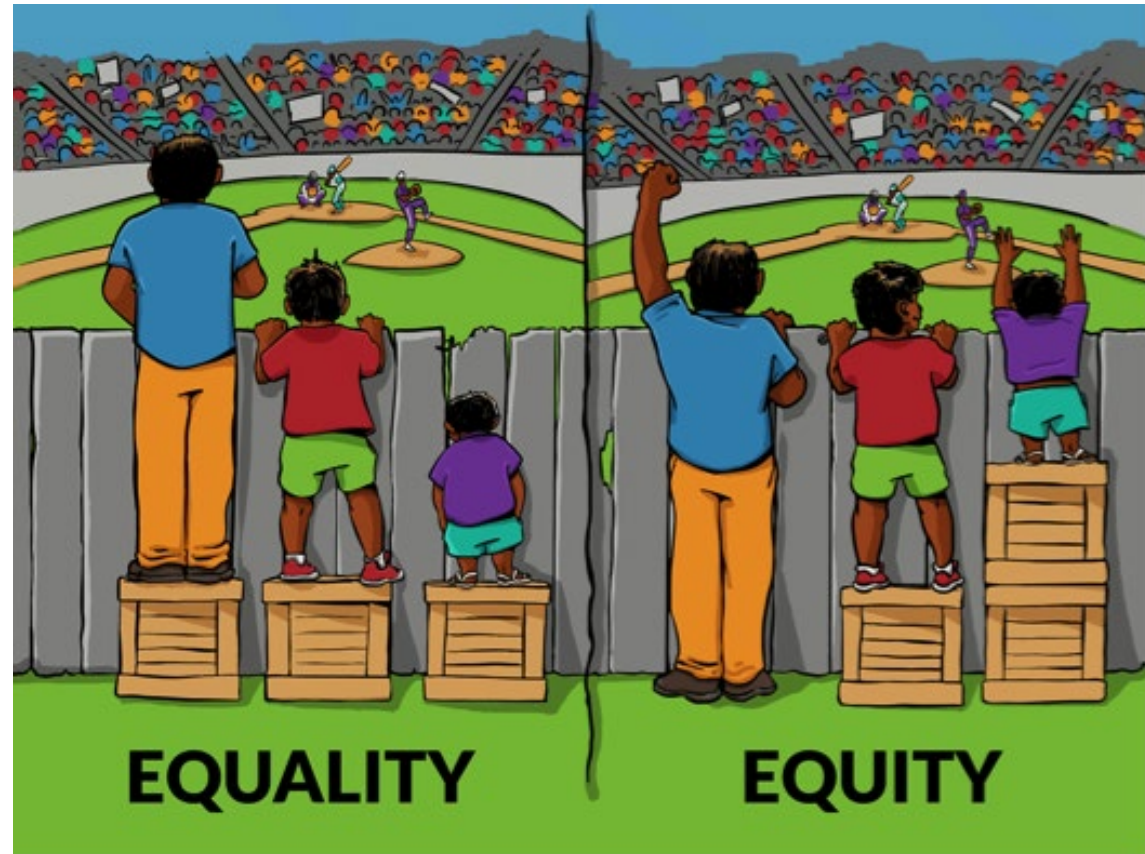
- **BRAINS**: Broadening the Representation of Academic Investigators in NeuroScience
- **TRANSCENDS**: Training in Research for Academic Neurologists to Sustain Careers and Enhance the Numbers of Diverse Scholars
- **SPURS**: Summer Program for Under-Represented Students
- **HEADS-UP**: Health Equity and Actionable Disparities in Stroke: Understanding and Problem-Solving



NINDS Health Equity Planning

Health Equity

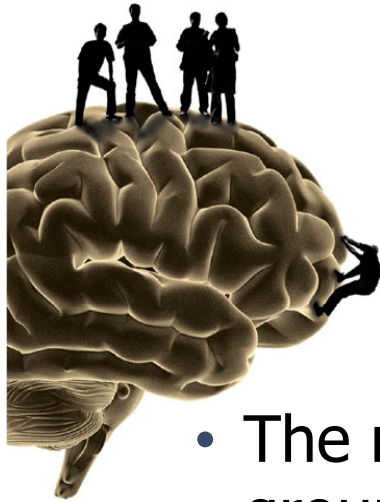
1. “Health disparities” carries negative connotations and stigma.
2. “Health disparities populations” suggests an inherent problem in a population also stigma.
3. “Equality” in health ignores the inherent differences in people.
4. “Equity” in health includes: demographic, economic, biologic, and social determinants of health





NINDS Health Disparities Strategic Planning Process

1. Steering committee to advise us and document the process.
2. NINDS HD workgroup for portfolio analysis and determination of gaps.
3. **RFI** to get information from the extra-mural environment about know/perceived areas of disparity/inequity (**e.g. race/ethnic, gender/sex, regional/geographic, and socio-economic**) in neurological disease, treatment, and provision of services across the lifespan.
4. Trans-NIH HD workgroup to determine potential points of intersectionality and collaboration.
5. **Workshop (tentative September 23 – September 24, 2021)** to discuss areas of priority and potential interventions to address the most impactful areas.



Why Diversity matters to NINDS?

NINDS is dedicated to a biomedical research environment that reflects the nation's diversity

- The recruitment of the most talented researchers from all groups;
- An improvement in the quality of the educational training environment;
- **A balanced perspective in setting research priorities;**
- An improved capacity to recruit subjects from diverse backgrounds into clinical research protocols;
- **An improved capacity to address health disparities.**

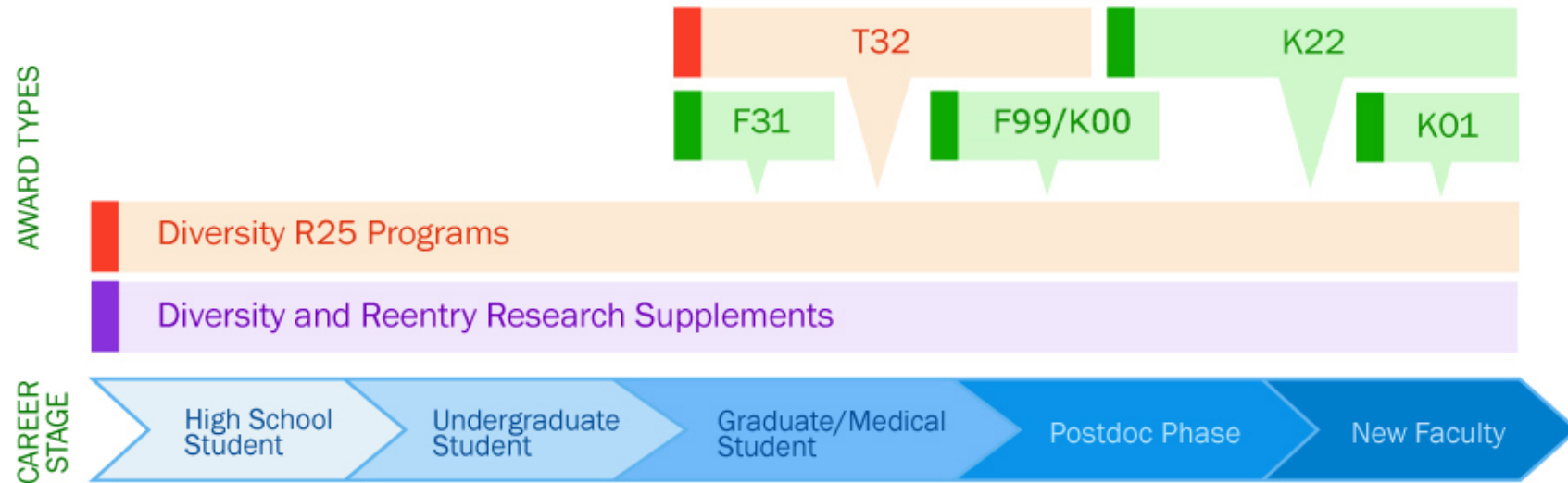


NIH Definition of “Diversity”

- Individuals from underrepresented racial and ethnic groups
- Individuals with disabilities, who are defined as those with a physical or mental impairment
- Individuals from disadvantaged backgrounds (socially, culturally, economically, or educationally)

Only applicable to high school and undergraduate candidates

NINDS DIVERSITY SCIENTIFIC TRAINING AND CAREER OPPORTUNITIES



NINDS PROGRAMS

Individual Awards

- Diversity F31** - Predoctoral fellowship
- NIH Blueprint D-SPAN F99/K00** - Predoc to postdoc transition award
- Diversity NINDS K22** - Postdoc to faculty transition award
- DiversityNINDS K01** - New tenure track faculty

Research Supplements to Promote Diversity in Health-Related Research

- Under-represented racial and ethnic backgrounds
- Individuals with disabilities
- Individuals from disadvantaged socioeconomic backgrounds
- Individuals reentering research

Institutional Awards

- NINDS T32** - Institutional Research Training Grant recruitment and retention plans to enhance diversity
- NIH Summer R25** - Research opportunities for high school and undergraduate students
- NIH Blueprint ENDURE R25** - Pairs diverse undergraduates with neuroscience focused T32 programs
- NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce R25** - Supports educational programs designed to attract, train, and further careers of diverse graduate students, postdocs and junior faculty



Research Supplements to Promote Diversity in Health-Related Research (PA-18-586)

- These additional funds, called supplements, are requested by a mentor on behalf of a **diverse** trainee.
 - **high school to faculty level**
- Eligibility – current NIH grant holders (R,P,U, etc.)
- **Supplements provide salary and fringe benefits; funds for supplies and travel**
- Typically 2 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.
- NINDS reviews batches of applications 3x/year
(see NINDS website for receipt dates and specific instructions)



NINDS Diversity Ks

K22 - NINDS Advanced Postdoctoral Career Transition Award to Promote Diversity in Neuroscience (PAR-18-469, PAR-18-468 (Clinical Trial Required))

- Between 2 and 5 years of postdoctoral research experience at the time of application
- Two Phase award – transitions from postdoc to 1st faculty position

K01 - NINDS Faculty Development Award to Promote Diversity in Neuroscience Research (PAR-18-490, PAR-18-486 (Clinical Trial Required))

- provide junior faculty support and protected time (up to five years)
- Must have a tenure-track or equivalent position by time of award
- **in the first 3 years of a faculty position**

OPEN Connections



Twitter: @NINDSDiversity



Listserv *NINDS Diversity News to Use*
<http://go.usa.gov/xkpN6>



LinkedIn: **NINDS Diversity Training**



Email:
NINDSDiversityTraining@mail.nih.gov



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Date	Episode	Duration	Plays
Nov 29, 2019	Episode 4: Preparing the Application	34:37	199
Nov 15, 2019	Episode 3: Initiating the Research Idea	32:03	239
Nov 01, 2019	Episode 2: The Grant Cycle	38:09	276
Oct 18, 2019	Episode 1: Get to Know NINDS	25:47	323
Oct 18, 2019	Building Up the Nerve Introduction	12:56	211
Oct 01, 2019	Building Up the Nerve Trailer	3:00	367



Office of Programs to Enhance Neuroscience Workforce Diversity (OPEN) Resources

What You Need to Know About the NINDS Diversity Faculty Development K01 Award: Tips for Preparing Your Application

March 22, 2017, 2:00 - 3:00 p.m. Eastern Time

NIH Notice on webinar: <https://grants.nih.gov/grants/guide/notice-files/NOT-NS-17-017.html>

K01 Tips Sheet: <https://www.ninds.nih.gov/Funding/Training-Career-Awards/Diversity-Awards/Putting-Together-Your-Strongest-Faculty-K01>

Previous/archived webinars:

What You Need to Know About the NINDS Diversity Career Development K22 Award: Tips for Preparing Your Application

Webinar Recording: <https://www.youtube.com/watch?v=Wp0fyavVN28&feature=youtu.be>

K22 Tips Sheet: <https://www.ninds.nih.gov/Funding/Training-Career-Awards/Mentored-Career-Awards/Putting-Together-Your-Strongest-K22>

Informational Webinar on the NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award (F99/K00)

Webinar recording and slides: <https://www.ninds.nih.gov/News-Events/Events/Informational-Webinar-NIH-Blueprint-Diversity-Specialized-Predoctoral>

Connect with us

NINDS Diversity News to Use Listserv : <http://go.usa.gov/xkpN6>

LinkedIN account: **NINDS Diversity Training**