



Overview of NIDCR Extramural Research Training and Career Development (RTCDB) Funding Opportunities

July 6, 2023

Webinar will start at 1 PM (EDT)



Questions During the Webinar

- Please use the chat box to enter your question.
- Questions will be monitored and answered during the Q/A session.

****Disclaimer****

This webinar and accompanying slides are for informational purposes only. They serve as an overview of NIDCR extramural research training and career development funding opportunities and are not meant to be comprehensive in coverage of all required components of an application.

Applicants are responsible for following the instructions detailed in the NOFO and any Related Notices.

Presenters

- Anissa J. Brown, Chief, Research Training and Career Development Branch (RTCDB)
- Rachel Saré, RTCDB Program Officer
- Shoba Thirumangalathu, RTCDB Program Officer
- Gabe Hidalgo, Acting Chief, Grants Management Branch (GMB)
- Tom O'Farrell, Scientific Review Officer

Webinar Outline

- A. Overview of NIH and NIDCR
- B. Overview of the Research Training and Career Development Branch
- C. Extramural Funding Opportunities
 - i. Fellowship Awards
 - ii. Career Development Awards
 - iii. Administrative Supplements
 - iv. Institutional Research Training Awards
- D. Budget Overview
- E. Scientific Review Overview
- F. Helpful Hints and Resources

National Institutes of Health (NIH) *is the largest biomedical research agency in the world*



NCI	NEI	NHLBI
NHGRI	NIA	NIAAA
NIAID	NIAMS	NIBIB
NICHD	NIDCD	NIDCR
NIDDK	NIDA	NIEHS
NIGMS	NIMH	NIMHD
NINDS	NINR	NLM
CC	CIT	CSR
FIC	NCATS	NCCIH
OD		



NIH seeks fundamental knowledge to enhance health, lengthen life, and reduce the burdens of illness and disability among all people.



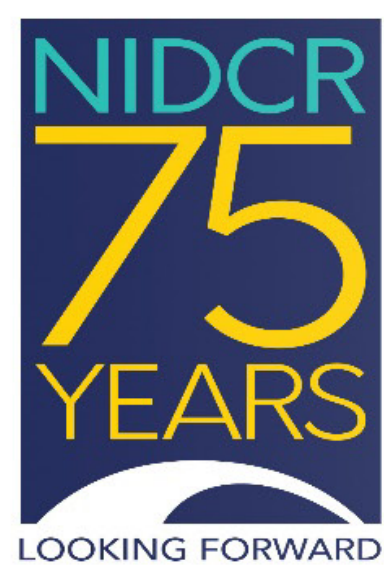
National Institute of Dental and Craniofacial Research



Rena D'Souza D.D.S, M.S., Ph.D.
Director



- **Mission:** advance fundamental knowledge about dental, oral, and craniofacial (DOC) health and disease and translate these findings into prevention, early detection, and treatment strategies that improve overall health for all individuals and communities across the lifespan.
- NIDCR budget at \$520.2M in FY2023 supports research, **research training**, and the dissemination of health information for improving dental, oral, and craniofacial health.



October 10 – 11, 2023

75th Anniversary Trainee Symposium: *“Celebrating NIDCR Trainees: Past, Present and Future”*



To register, visit
[Registration - 75th Anniversary Trainee Symposium: Celebrating NIDCR Trainees: Past, Present, and Future \(roseliassociates.com\)](#)

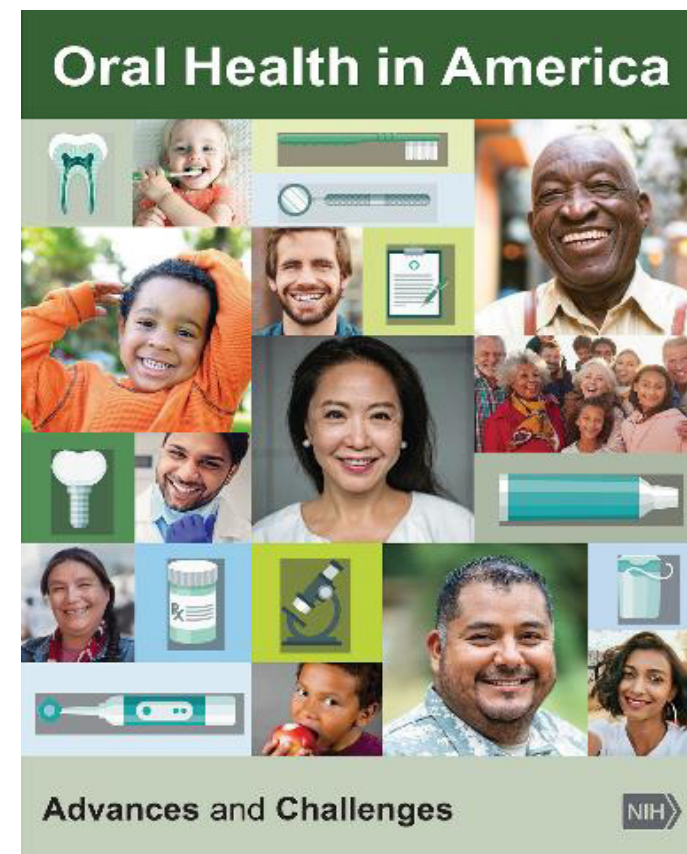


Keynote by:

Nobelist Ardem Patapoutian, PhD

Oral Health in America (OHIA) Report

- Released December 21, 2021
- NIDCR/NIH - led with extensive input from over 400 contributors
- Examined two decades of progress in oral health since the 2000 Surgeon General's Report
- A “living document” that will help guide NIDCR and complements our new Strategic Plan
- *Organized across the lifespan, characterizing challenges & opportunities, and articulating a future vision and call to action*



[Oral Health in America: Advances and Challenges](https://www.nidcr.nih.gov/oralhealthinamerica) (<https://www.nidcr.nih.gov/oralhealthinamerica>)

NIH Press Release: [Report details 20 years of advances and challenges of Americans' oral health](https://www.nih.gov/news-events/news-releases/report-details-20-years-advances-challenges-americans-oral-health)
(<https://www.nih.gov/news-events/news-releases/report-details-20-years-advances-challenges-americans-oral-health>)

NIDCR Strategic Priorities

Strategic Priority #1:
Integrate Oral and General Health

Advance discoveries across the translational research spectrum and drive innovations that improve the early diagnosis, prevention, and treatment of DOC diseases across the life span.

Strategic Priority #2:
Precision Dental Medicine

Develop more precise and individualized treatments for the management and prevention of DOC diseases.

Strategic Priority #3:
Translate and Implement

Accelerate the translation of research and the implementation of new discoveries into oral and general healthcare practices that reduce health inequities and disparities and improve oral health outcomes for individuals and communities worldwide.

Strategic Priority #4:
Diverse Research Pipeline

Nurture future generations of DOC researchers and oral health professional scholars who can address public health needs within a continually evolving landscape of science and technology advances

Strategic Priority #5:
Partner and Collaborate

Expand existing partnerships and create new ones to advance the NIDCR research enterprise and increase its reach and impact.

NIDCR Extramural Research Training and Career Development Branch (RTCDB) Staff

RTCDB Institutional Training
Initiatives



Anissa J. Brown, Ph.D.
Chief and Program Officer

RTCDB Individual Fellowship
Awards (F)



Rachel Saré, Ph.D.
Program Officer

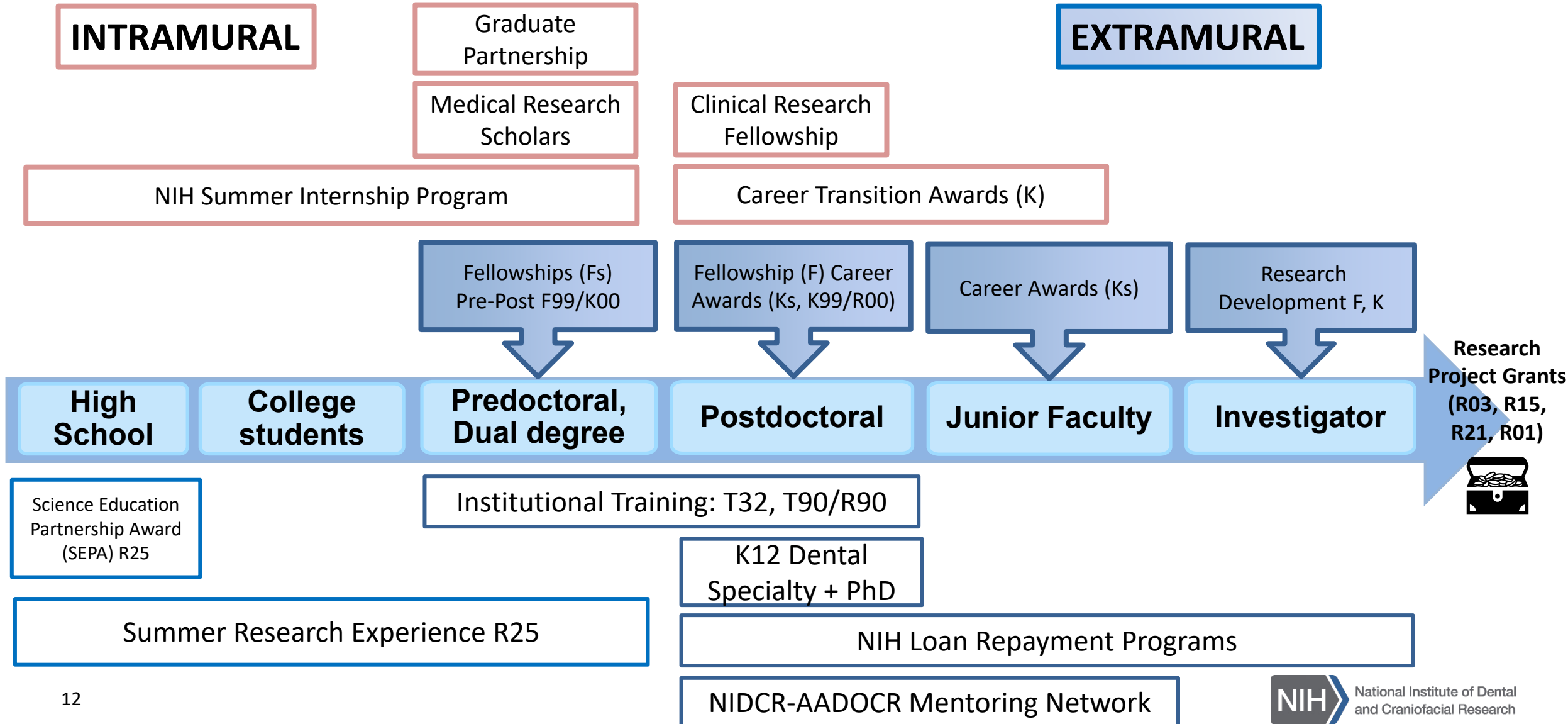
RTCDB Individual Career
Awards (K)



Shoba Thirumangalathu, Ph.D.
Program Officer

NIDCR Research Training Programs

(<https://www.nidcr.nih.gov/careers-training>)



National Institute of Dental and Craniofacial Research

Advancing the nation's oral health
through research and innovation

National Institute of Dental and Craniofacial Research

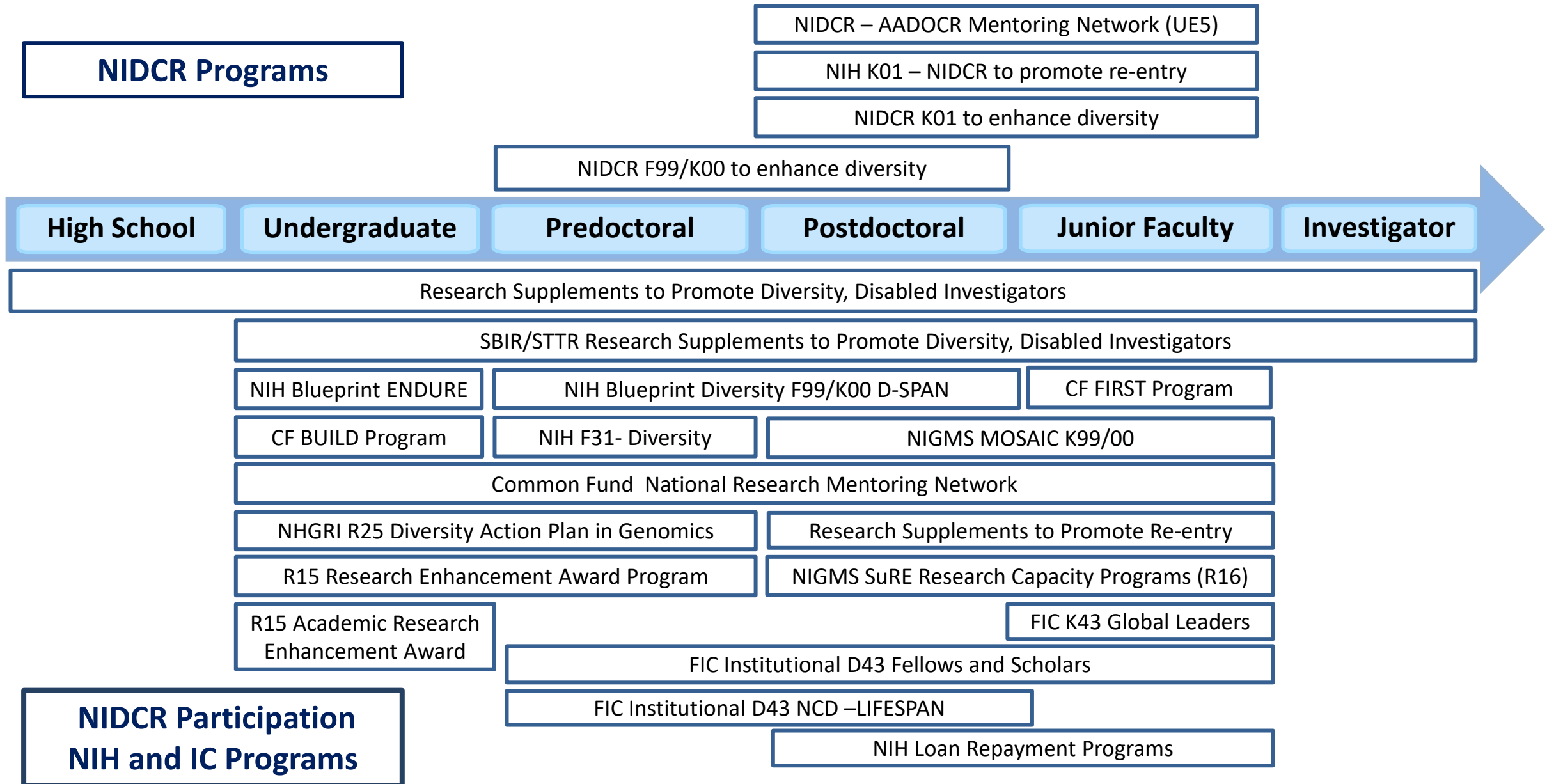
Research Training and Career Development Branch



Belinda Hauser, PhD, Director
Belinda.hauser@nih.gov

[NIDCR Research Training Programs](https://www.nidcr.nih.gov/careers-training)
(<https://www.nidcr.nih.gov/careers-training>)

NIDCR Research Training & Career Development Programs to Enhance Diversity



FY 2022

Predoctoral

- 34 (Diversity/Reentry-n=14 HS-undergraduate, post-bac/post-MS); (R25-n=20 undergraduates)
- 30 DDS-PhD Predoctoral Trainees (T32/T90)
- 33 DDS-PhD Predoctoral Fellows (F30)
- 48 PhD Predoctoral Trainees (T32/T90)
- 78 PhD Predoctoral Fellows (F31, n=51); (Diversity (F31-D, n=9); (Diversity Supplement, n=13); (F99, n=2); (U2R, n=3)

Postdoctoral

- 63 Postdoctoral Trainees (T32/T90/R90)
- 22 Postdoctoral Fellows (F32)
- 55 Postdoc (K00, n=1), K99, n=24; K22, n=2; LRP, n=2; (Diversity/Reentry Supplement, n=6); D43, n=18; U2R, n=1; (Dentist Scientist Admin Suppl, n=1)

Early Career

- 10 Mentored Research Scientist Awards, (K01 Diversity/Reentry, n=10)
- 25 Clinical Scientist Career Development Awards (K08)
- 9 Patient-Oriented Career Development Awards (K23)
- 3 Mentored Quantitative Research Career Dev. Award (K25)
- 1 Emerging Global Leader's Award (K43)
- 10 Loan Repayment Program
- 1 NIDCR Dentist Scientist Career Transition Award for Intramural Investigator (K22)
- 6 Institutional Scholars (K12 DSPP)
- 11 AADR MIND the Future UE5

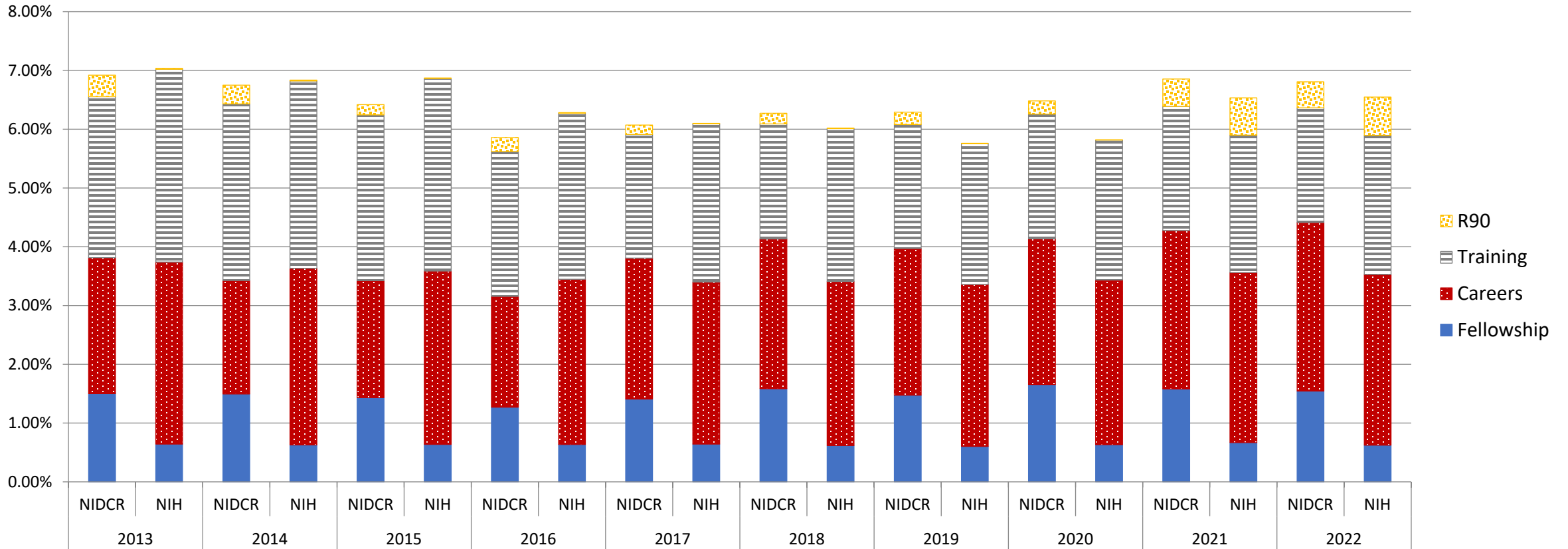
Mid-Career to Established Investigator

- 10 Independent Scientist Award (K02 n=2); Diversity Suppl n=6; (K18 n=1), LRP n=1

CAREER STAGE

Trends in NIH vs NIDCR FTK Funding FY 2013 – FY 2022

NIDCR vs. NIH F, T, and K Data: FY 2013 - FY 2022

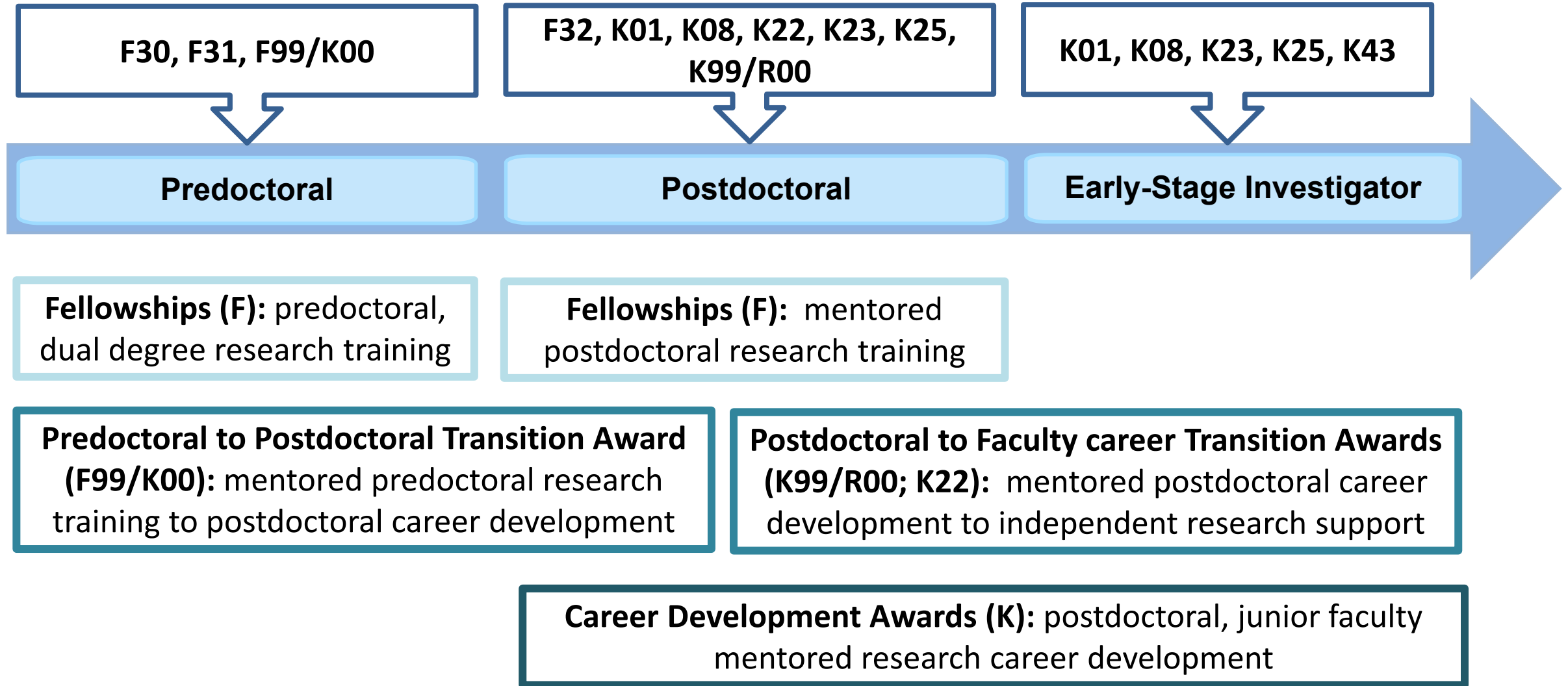


Considerations for Choosing a Funding Opportunity

- **Career stage**
 - Predoctoral dual degree; predoctoral PhD – *and progress in program*
 - Postdoctoral researcher, junior faculty - *duration of mentored research training*
- **Citizenship status**
 - U.S. citizen, permanent resident, non-citizen (visa status, or in foreign country)
- **Academic and professional degrees**
 - Clinicians, dual degree DDS/DMD-PhD dentist scientists, degrees in Engineering, Mathematics and other Quantitative Sciences
- **Other qualifying circumstances**
 - Re-entering the research workforce
 - Member of group under-represented in biomedical research (diversity focused)
 - Critical life events, Natural Disasters, Public Health Emergencies

Fellowship Awards (Fs)

NIDCR Fellowship (F), Career Development (K) and Career Transition Awards (F99/K00; K99/R00)



Ruth L. Kirschstein National Research Service Awards (NRSA)

Predocctoral

Postdoctoral

- Training Grants (T32 and T90) & Fellowships (F30, F31, F32, F99)
- Predocctoral and Postdoctoral
 - Eligibility: US Citizen, permanent resident at time of award
 - Full time professional effort (100%)
 - **Award**
 - Stipend per career stage
 - Tuition and Fees
 - Institutional Allowance (Fellowships)



Dr. Ruth L. Kirschstein

Individual NRSA Fellowships



Predoctoral

Postdoctoral

- **F30:** Predoctoral Dual Degree DDS/DMD-PhD ([PA 21-050](#) and [PA 21-049](#))
- **F31:** Predoctoral PhD ([PA 21-051](#))
- **F31 Diversity:** PhD training for individuals from underrepresented groups (racial, ethnic, disabled, disadvantaged) ([PA 21-052](#))
- **F32:** Postdoctoral training; may be used to support PhD research training for Health Professionals ([PA 21-048](#))

Individual Predoctoral to Postdoctoral Transition Awards (F99/K00) to promote diversity

- **NIDCR Predoctoral to Postdoctoral Transition Award for A Diverse Dental, Oral, and Craniofacial Research Workforce (F99/K00 Clinical Trial Not Allowed)** ([PAR 21-060](#))
 - PhD and dual degree students from underrepresented groups (racial, ethnic, disabled, disadvantaged), see NIH Interest in Diversity [NOT-OD-20-031](#)
 - US citizens, permanent residents
 - 2 years F99 (NRSA stipend), 3 years K00 (salary up to \$75,000)
- **NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award (F99/K00 Independent Clinical Trial Not Allowed)** ([RFA-NS-21-012](#))
 - PhD students conducting [neuroscience research](#), individuals from underrepresented groups (racial, ethnic, disabled, disadvantaged)
 - US citizens, permanent residents
 - 1-2 years F99 (NRSA stipend), 4 years K00 (salary up to \$50,000)

NIDCR Dual Degree Dentist Scientist Predoctoral to Postdoctoral Transition Award

- **NIDCR Dual Degree Dentist Scientist Predoctoral to Postdoctoral Transition Award (F99/K00 Independent Clinical Trial Not Allowed) ([PAR 21-108](#))**
 - Dual degree DDS/DMD-PhD students
 - U.S. citizens, permanent residents *and non-U.S. citizens*
 - **2 years F99** (100% effort, NRSA stipend) institutional allowance
 - **3 years K00** (minimum 75% effort; salary up to \$75,000; \$10,000 research support)
 - Phased award to facilitate completion of predoctoral dual degree dentist scientist training (F99) and progression to mentored postdoctoral positions in dental, oral and craniofacial research (K00)
 - Successful completion of phased award will enhance dual degree dentist scientists' research career trajectories


F Applications: Standard Due Dates

Activity Code	Cycle I Due Date	Cycle II Due Date	Cycle III Due Date
F Series	April 8 (Oct Council) (December start)	Aug 8 (Jan Council) (April start)	Dec 8 (May Council) (July start)

NRSA Support Limits (T and F series)

- Dual degree: 6 years
- Predoctoral: 5 years
- Postdoctoral: 3 years

Announcement of Childcare Costs for Ruth L. Kirschstein National Research Service Award (NRSA) Individual Fellows

- Each full time NIH-NRSA supported fellow is eligible to receive \$2,500 per budget period to defray costs for childcare provided by a licensed childcare provider
 - If both parents are NRSA fellows, each parent is eligible to receive \$2,500
- 
- Childcare costs are permitted for dependent children living in the eligible fellow's home from birth up to under the age of 13, or children who are disabled and under age 18
 - Recipients must maintain all supporting documentation (e.g., proof provider is licensed) to be made available to NIH only upon request
 - NRSA childcare costs are not tied to payback obligations
 - **Instructions:** see Guide Notices **NOT-OD-21-074** (new and continuation fellowships) and NOT-OD-21-070 administrative supplements to existing fellowships

Career Development Awards (Ks)

NIDCR Mentored Career Development Awards (K)

Postdoctoral

Early-stage Investigator

Goal: prepare Individuals for subsequent independent research and funding

Eligibility:

- US citizen or permanent resident, full time salaried position, *at time of award*
- **Except** K43 *Emerging Global Leaders award*

Effort:

- 75% effort research and career development (K support)
- 25% effort clinical, teaching, administrative activities (university support)

Award:

- \$100,000 salary and fringe benefits, per year; 3-5 years
- \$25,000 research development support, per year; 8% indirect costs

Dentists:

- May use for research leading to a PhD
- Dentist who earn a PhD under K support are eligible for K99/R00



NOT-OD-20-011: NIH Extension Policy for Eligibility Window for Pathway to Independence Awards (K99/R00)



- **K99 eligibility:**
 - Applicants must have no more than 4 years of postdoctoral research experience. It is expected that K99 awardees will receive at least 12 months of career development support from the award before transitioning to the R00 phase.
 - Time spent away from research in clinical training, caring for family, and other considerations including medical conditions are NOT considered in the 4-year window of eligibility
- **New:** Potential applicants who have a child within the 4 years of postdoctoral research may request a one-year extension of eligibility
 - Email Program Officer at least 12 weeks before submission
 - Provide child's date of birth

NIDCR Pathway to Independence Career Transition K99/R00 Programs



NIH PARENT

- Any doctoral degree
- US citizen, permanent resident, non-citizen
- 1-2 years mentored K99
- 3-year independent R00

NIGMS MOSAIC

- Any doctoral degree
- Diversity candidate, US citizen, permanent resident
- 1-2 years mentored K99
- 3-year independent R00
- Participate in a Mentoring Network

NIDCR DENTIST SCIENTIST

- Dual degree DDS/DMD-PhD
- US citizen, permanent resident, non-citizen
- 2-year K99 phase required unless significant prior postdoc
- 3-year independent R00
- *Optional 5-year R00 award if concurrent 25% specialty training*

**Less than 4 years postdoctoral experience; K99 postdoctoral transition to R00 independent tenure track position
75% minimum research effort; remaining 25% accommodates specialty/clinical activities – both phases**

NIDCR K99 salary up to \$100,000; fringe; \$25,000 research; 8% indirect costs

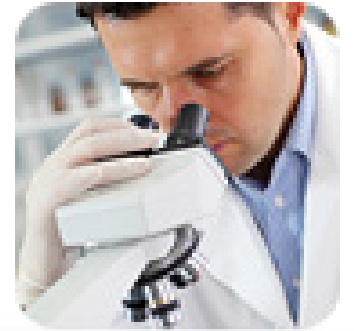
R00: \$249,000 total costs

Mentored Career Development Awards (K)

Eligibility: Clinical Doctoral Degree

Mentored Clinical Scientist Research Career Development Award (K08)

- Supports basic biomedical and behavioral research, including translational research



Mentored Patient-Oriented Research Career Development Award (K23)

- Supports individuals with clinical doctoral degrees to conduct research with human subjects (or on material of human origin such as tissues, specimens and cognitive phenomena for which an investigator directly interacts with human subjects



Emerging Global Leader Award (K43) non-U.S. citizens

- Supports early career research scientist from a low- or middle-income country (LMIC) who holds a junior faculty position at an [LMIC academic/research institution, as defined by the World Bank](http://data.worldbank.org/about/country-classifications/country-and-lending-groups) [(http://data.worldbank.org/about/country-classifications/country-and-lending-groups) , including “low-income,” “lower-middle-income,” and “upper-middle-income” countries]. Expected to lead to an independently funded research career at an LMIC institution. Research in any health-related discipline relevant to the health priorities of their country under the mentorship of LMIC and U.S. mentors. NIDCR supports dental, oral and craniofacial research.

Mentored Career Development Awards (K)

NIDCR Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Research Workforce (K01)

Supports individuals with doctoral degrees and are from groups **underrepresented in biomedical research** (racial, ethnic, disabled, disadvantaged)



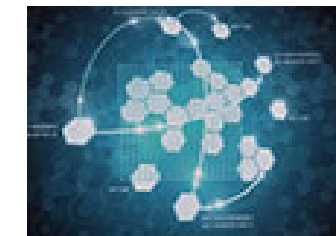
NIH Mentored Research Scientist Development Award (K01)

Supports re-entry into the research workforce for individuals with doctoral degrees who have had a **research career interruption**; examples medical or family circumstances, military service



Mentored Quantitative Research Development Award (K25)

Supports productive **quantitative scientists and engineers seeking to integrate their expertise with NIH relevant research**, postdocs to senior faculty are eligible



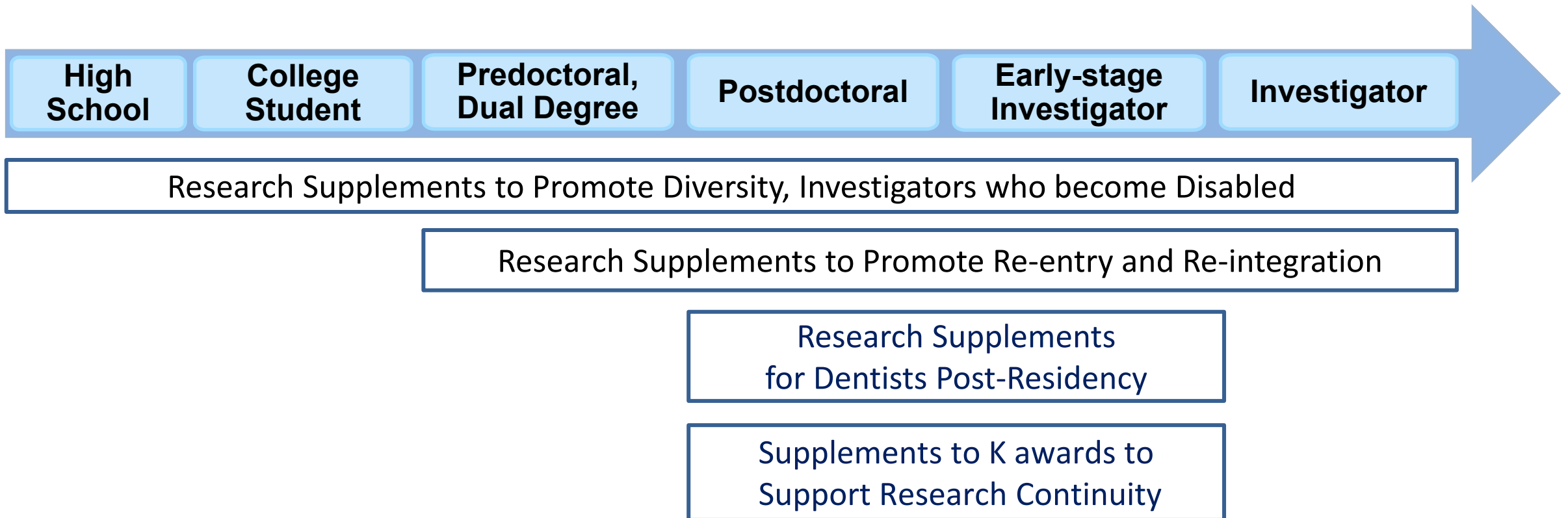
K Applications: Standard Due Dates

Activity Code	Cycle I Due Date	Cycle II Due Date	Cycle III Due Date
K Series new	February 12	June 12	October 12
K Series <i>renewal, resubmission, revision</i>	March 12	July 12	November 12

Administrative Supplements

Administrative Supplements to Active NIDCR Research Grants

- *Support for mentored research experiences prior to independent funding*
- *Additional funding for qualifying circumstances*



K awardees: Retention and Continuity Supplements

[NOT-OD-23-031 Notice of Special Interest: Administrative Supplements to Promote Research Continuity and Retention of NIH Mentored Career Development \(K\) Award Recipients and Scholars](#)

- **Critical life events:** include childbirth, adoption, primary caregiving responsibilities of an ailing spouse, child, partner, or a member of the immediate family during the project period; if event is pending and expected to occur during the project period, application may be submitted in advance of the event
- **Provide evidence:** that circumstance may affect advancement of K award/productivity
- **Additional support:** for personnel, computational services, supplies, and equipment to achieve K goals. Supplement funds may not be used for PI salary support
- **Award:** one year, \$70,000 direct costs, must be during competing segment of active K (excludes No Cost Extension)
- **Application instructions:** Administrative Supplements to Existing NIH Grants and Cooperative Agreements (Parent Admin Supp Clinical Trial Optional) [PA-20-272](#)

For retention supplements to support first-time NIH R01-Equivalent Awards see [NOT-OD-23-032](#)

Research Supplements to Support Dentist Scientists Post Clinical Specialty or Residency

Administrative Supplements to Support Dentist Scientists Post Specialty or Residency to Develop Expertise in Dental, Oral and Craniofacial Research ([NOT DE-20-035](#))

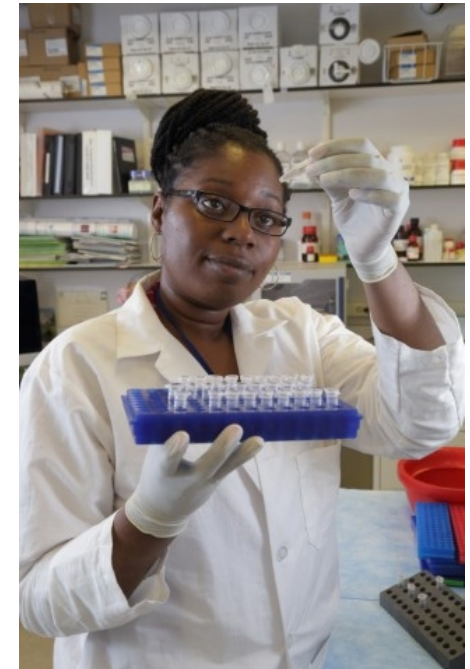
- Supplement to PI's active NIDCR research funding (DP2, R01, R21, R35, R37, R42, R43, R44, U01, UG3, UH3)
- **Candidate eligibility:** DDS/DMD or DDS/DMD-PhD
- U.S. citizen, permanent resident, non-citizen
- In last year or recently completed dental specialty/residency training
- Previous predoctoral/postdoctoral research experience
- Must plan application for individual support, e.g., NIDCR mentored K award (K01, K08, K23), career transition award (K99/R00), a research project grant (R)
- One year of mentored research support, minimum 75% effort, optional 2nd year
- Salary up to \$100,000 per year; fringe benefits, \$25,000 research support



Research Supplements: Research Training for Individuals from Diverse Backgrounds

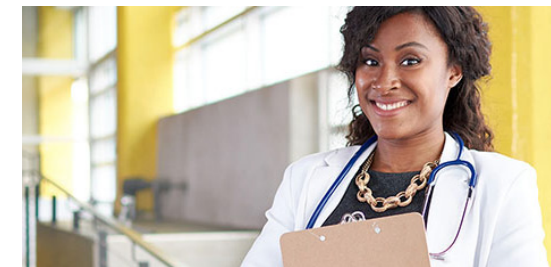
Research Supplements to Promote Diversity in Health-Related Research [PA-23-189](#)

- PIs of research project grants (e.g., Rs) can apply to support candidates from **diverse backgrounds** performing research within the scope of the original award
- **Candidates:** high school students through predoctoral, postdoctoral trainees and investigators developing independent research careers **NIH's Interest in Diversity:** [NOT-OD-20-031](#)

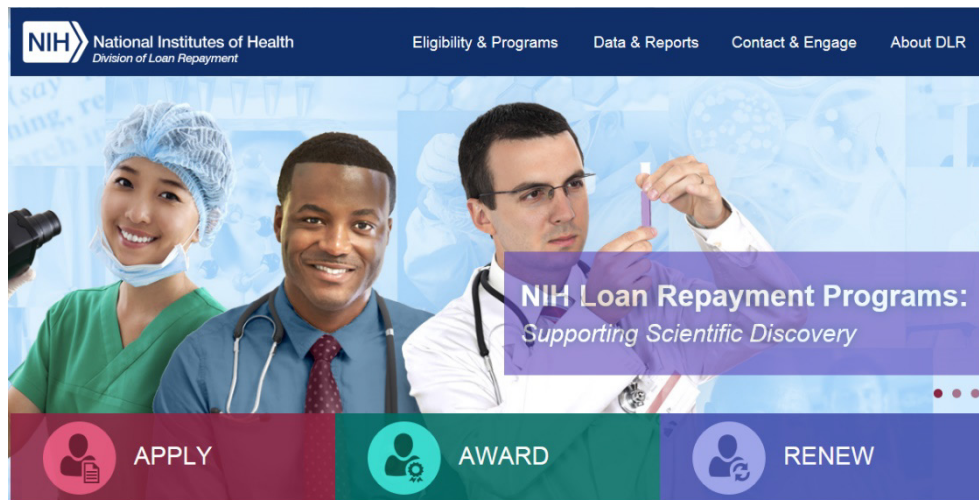


Research Supplements to Promote Re-Entry and Re-integration into Biomedical and Behavioral Research Careers (NOT-OD-21-134)

- PIs of research project grants (e.g., Rs) apply to support eligible candidates performing research within the scope of the original award
- **Re-Entry Candidates:**
 - ✓ Academic and/or professional doctoral degree, U.S. citizens, permanent residents; previous postdoctoral/faculty position
 - ✓ High potential to re-enter an active research career after an interruption for family responsibilities or other qualifying circumstance
 - ✓ Full-time or part-time effort to update research skills and knowledge, establish/re-establish career as a productive, competitive investigator, apply for independent funding
- **Re-Integration Candidates:**
 - ✓ Graduate/Dual Degree Students or Postdocs transitioning to a safe-supportive research environment after experiencing unlawful discrimination or harassment



NIH Extramural Loan Repayment Programs (LRPs)



NIH Loan Repayment Programs repay up to \$50,000 annually of a researcher's qualified educational debt in return for a commitment to engage in NIH mission-relevant research

Eligibility:

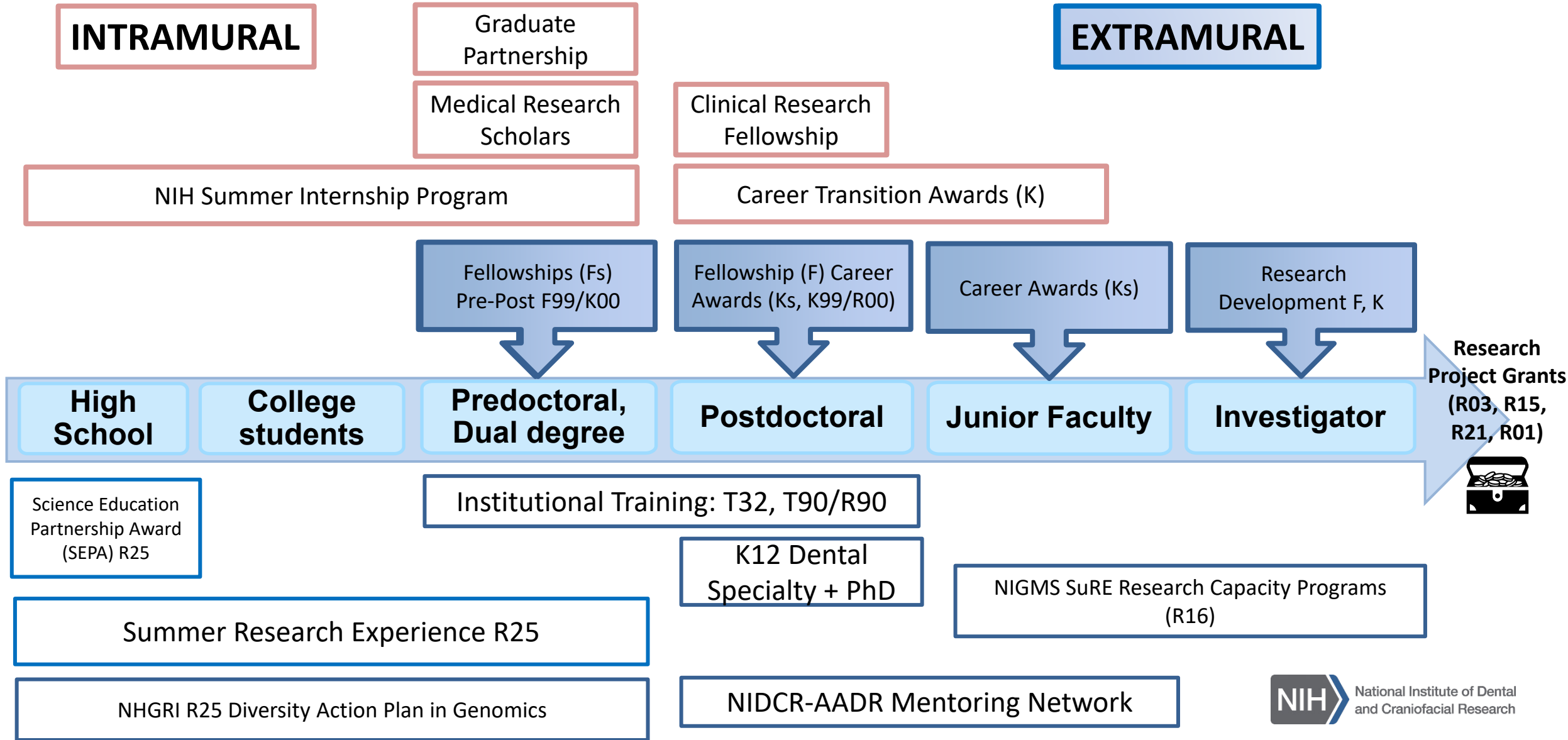
- U.S. citizen/permanent resident; doctoral degree (except Contraception and Infertility)
- Qualified educational debt (new applications, at least 20% of annual salary)
- Conduct qualifying research at least 20 hrs./week
- Research funded by U.S. domestic nonprofit, university, or government organization - *NIH funding NOT required*

- **Clinical Research ***
 - **Pediatric Research ***
 - **Health Disparities Research ***
 - **NIDCR REACH for dentist-scientists *NEW in 2022**
 - Contraception and Infertility Research
 - Clinical Research for Individuals from Disadvantaged Backgrounds
- * NIDCR Participation**

Institutional Research Training and Career Development Initiatives

NIDCR Research Training Programs

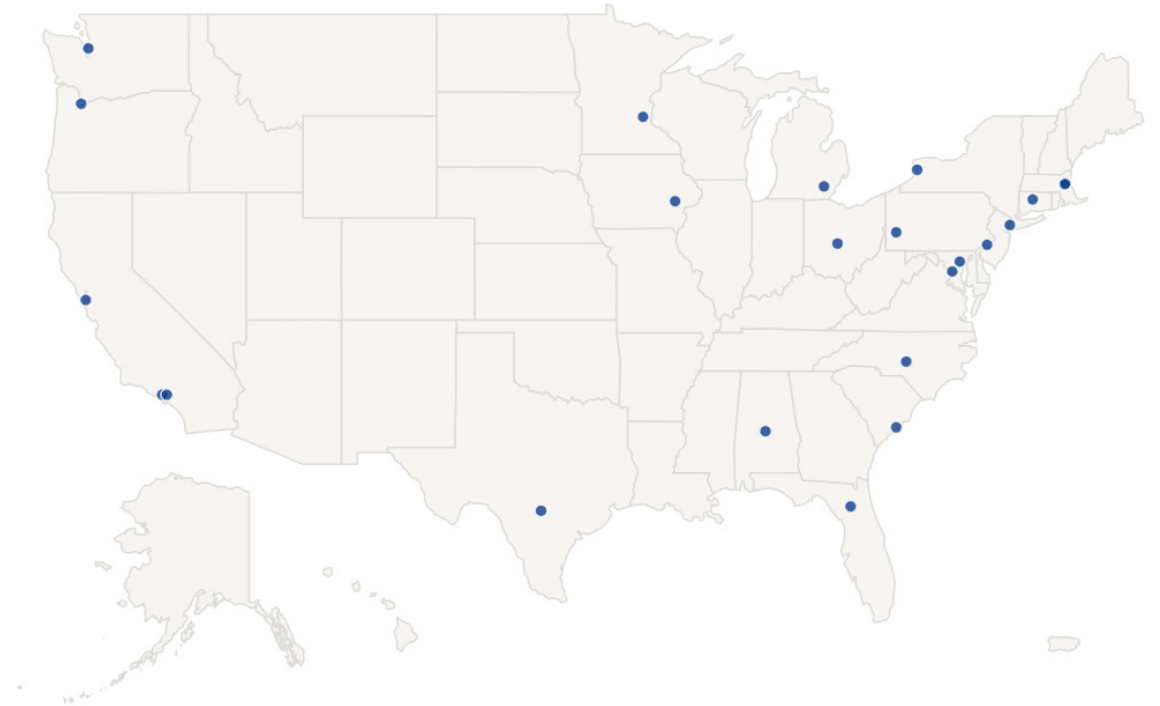
<https://www.nidcr.nih.gov/careers-training>



NIDCR Institutional Awards

41 Active Awards

- 7 High School Students
- 51 Undergraduates
- 74 Predocs
- 48 Postdocs
- 6 Dental Specialty Scholars
- Total Direct Costs: \$10,912,800



[National Research Service Award Institutional Research Training Grants \(T32, T90/R90\)](https://www.nidcr.nih.gov/careers-training/interns-fellows/graduate-students/nrsa-institutional-research-training-grants)

(<https://www.nidcr.nih.gov/careers-training/interns-fellows/graduate-students/nrsa-institutional-research-training-grants>)

T32, T90/R90

- “Comprehensive” training program with the expectation of enhancing research training to ensure a highly qualified workforce
- Incorporates didactic, research and career development components
- Training Tracks (100% effort)
 - Dual Degree Dentist-PhD predoctoral training
 - PhD predoctoral training
 - Postdoctoral training; dentists earning PhDs
- Support in the form of stipend, tuition and fees, travel, and training related expenses and institutional allowance
- Supports full spectrum of dental, oral, and craniofacial research
 - With a special interest in data science, AI, rigor and reproducibility, diversity

Summer Research Education Experience Program (R25 Clinical Trial Not Allowed) (PAR-21-168)

- **Overarching Goals:**
 - (1) complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs;
 - (2) encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research;
 - (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and
 - (4) foster a better understanding of biomedical, behavioral and clinical research and its implications.
- **Participants:** high school students, undergraduate students, and/or science teachers
- **Expected activities:**
 - hands-on research experiences;
 - scientific writing and presentation skills and
 - training in rigor and reproducibility.
- **Expected Outcomes:** reinforce one's intent to graduate with a science degree, prepare participants for graduate or medical school admissions, and/or prepare them for careers in research.
- **Timeframe:** at least 8 weeks, but fewer than 15 weeks, of full-time research experiences during the summer
- **Award Budget:** Maximum of \$125K DC per year
- **Award Project Period:** Up to 5 years may be requested



NIDCR Dental Specialty and PhD Program (K12)



A pivotal decision in the research career development of dentist scientists is whether to pursue dental specialty training or research training after completing the dental degree.

Funding Opportunity Purpose

- Develop **structured cohesive programs** that provide advanced **clinical training** in an approved dental specialty, **career development activities**, and **mentored research training** leading to a PhD in biomedical or behavioral science
- Facilitate **transition** to independent and productive dental, oral, and craniofacial (DOC) research career.
- **Successful completion** of the DSPP can be demonstrated by a specialty certificate or master's degree associated with the clinical education, and a PhD degree.
- A minimum appointment of 3 consecutive years and apply a minimum of 75% research effort. *Scholars may receive up to a maximum of 5 years of K12 DSPP support.*
- *Maximum of 2 scholars per year*

NIDCR Dental Specialty and PhD Program (K12)

- Research component- must be at the doctoral level (PhD or equivalent)
 - include didactic training, mentored research experiences designed to accommodate scholars with varying levels of research experience
 - Incorporate team science-based approaches
 - Highly encourage the development and use of Individual Development Plans (IDPs)
 - Creative partnerships with other organizations for mentorship opportunities is encouraged

NIDCR Notice of the Participation in PAR-23-144

Strengthening Research Opportunities for NIH Grants (STRONG) Structured Institutional Needs Assessment and Action Plan Development for Resource Limited Institutions (UC2 - Clinical Trial Not Allowed)

Purpose:

This Funding Opportunity will provide resources to the institutions to

1. Conduct the assessment of research infrastructure and other requirements that will enhance administrative and research resources, institutional policies, and expanded opportunities for faculty and students in the biomedical research enterprise;
2. Use the results of these institutional assessments to develop action plans that will support the conduct of high-quality biomedical research.

Application Due: September 18, 2023

Inquiries: Anissa Brown, anissa.brown@nih.gov

NIDCR-AADOCR Mentoring Network Program

AADOCR Mentoring an Inclusive Network for a Diverse Workforce of the Future (AADOCR MIND the Future)

- Mentoring network for diverse pool of early career investigators in dental, oral and craniofacial research
- Foster retention and career advancement of postdoctoral scientists and junior faculty
- Develop professional skills and provide a mentored grant writing experience
- Increase diversity of the NIDCR research workforce



<https://www.iadr.org/awards/mind-the-future>

**NIDCR Global Health Research
Training and
Career Development
Opportunities**

NIDCR Global Health Research Training and Career Development Opportunities

Emerging Global Leader Award (K43) [PAR-21-252](#), [PAR-21-251](#)

- Mentored Research Career Development Award for Junior Faculty from a low- or middle-income country (LMIC); LMIC and U.S. co-Mentors

Global Health Program for Fellows and Scholars

- NIDCR supports Fellows associated with U.S. Consortia for one year training opportunities in dental, oral and craniofacial research

Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43 Clinical Trial Optional) [PAR-22-104](#)

- Program to strengthen the capacity of LMIC institution(s) to support independent research through research training of individual researchers

NIDCR Interests: Emerging Global Leader Award (K43) Program

Applications with a research focus on:

- dental, oral, or craniofacial conditions that occur more frequently in low- and middle-income countries, or are of a high public health burden
- addressing health disparities in dental, oral, or craniofacial conditions
- achieving national or regional goals in oral and dental health such as those articulated by the World Health Organization

Examples include, but are not limited to:

- working with local communities to establish the best means of delivering preventive oral health care
- establishing successful approaches to deliver fluoride to a local population, particularly in areas without potable water
- studying oral pre-malignant lesions associated with betel nut use
- studying the interplay of genes and environment in dental, oral, or craniofacial health by leveraging environments specific to the country.

Chronic, Non-Communicable Diseases and Disorders Across the Lifespan (NCD-LIFESPAN) (D43) Program

NIDCR areas of interest: applications that develop research capacity to improve dental, oral, and craniofacial health across the lifespan.

Focus of research training topics in LMICs include, but are not limited to:

- addressing disparities in access to oral health care;
- prevention, early detection and intervention relating to dental, oral and craniofacial diseases and disorders;
- development and application of genomics, bioinformatics, and computational biology expertise for basic and translational dental, oral, and craniofacial research;
- integration of oral health care into care for chronic, non-communicable diseases and disorders, and implementation science.

Global Health Program for Fellows and Scholars

- **NIDCR supports Fellows associated with U.S. Consortia for one -year global health dental, oral and craniofacial research training**
- **2019-2021 NIDCR supported**
 - 8 fellows: 7 fellows from LMICs; 1 U.S. postdoc
 - 6 dentists with expertise in public health/epidemiology
 - 2 MDs (oral surgery, infections disease)
- LMICs: Tanzania, South Africa, Cameroon, Vietnam (2), Peru (2), Uganda

NIDCR Pathway to Independence Career Transition K99/R00 Programs



NIH PARENT

- Any doctoral degree
- US citizen, permanent resident, non-citizen
- 1-2 years mentored K99
- 3-year independent R00


**Less than 4 years postdoctoral experience; K99 postdoctoral transition to R00 independent tenure track position
75% minimum research effort; remaining 25% accommodates specialty/clinical activities – both phases**

NIDCR K99 salary up to \$100,000; fringe; \$25,000 research; 8% indirect costs

R00: \$249,000 total costs

NIDCR Research Training Grants Support Non-Citizen Dentists

NIDCR Institutional Training for a Dental, Oral and Craniofacial Research Workforce (T90/R90)

- T90 Ruth L. Kirschstein National Research Service Award (NRSA) supports U.S. citizens, permanent residents; predoctoral and postdoctoral trainees
- **R90 Research component trains non-citizen dentists at U.S. institutions** 
- **Contact information for R90 training opportunities:** [National Research Service Award Institutional Research Training Grants \(T32, T90/R90\)](https://www.nidcr.nih.gov/careers-training/interns-fellows/graduate-students/nrsa-institutional-research-training-grants) (<https://www.nidcr.nih.gov/careers-training/interns-fellows/graduate-students/nrsa-institutional-research-training-grants>)

NIDCR Research Training and Career Development Branch (RTCDB) Staff

RTCDB Institutional Training
Initiatives



Anissa J. Brown, Ph.D.
Chief and Program Officer

RTCDB Individual Fellowship
Awards (F)



Rachel Saré, Ph.D.
Program Officer

RTCDB Individual Career
Awards (K)



Shoba Thirumangalathu, Ph.D.
Program Officer



National Institute of Dental and Craniofacial Research

NIH National Institute of Dental and Craniofacial Research

- Health Info
- Research
- Grants & Funding
- Careers & Training
- News & Events
- About Us

Careers & Training

Internships, Fellowships & Training Grants

High School & College Students

Recent College Graduates

Dental & Medical Students

Dual Degree Students

Graduate (PhD) Students



Expand Your Career Options

NIDCR supports research training and career development programs for everyone from high school students to independent scientists.

[Careers & Training | National Institute of Dental and Craniofacial Research \(nih.gov\)](https://www.nih.gov/careers-training)



NIDCR Newsletter: Training News section



News & Events

NIDCR's Spring 2023 E-Newsletter

In this issue:

[NIDCR News](#)

[Training News](#)

[Science Advances](#)



Training News

[NIH/HR](#)
[Grante](#)
[Subscri](#)

Deadlines Approaching for Career Development & Fellowship Awards



The next due date for renewing, resubmitting, or revising research career development awards (K series) is March 12, 2023, while new applications are due June 12, 2023. The next due date for new applications, renewals, and resubmissions of individual National Research Service Awards (F series fellowships, including F31 diversity awards) is April 8, 2023.

Apply Now for Diversity Mentoring Program



AADOCR's [Mentoring an Inclusive Network for a Diverse Workforce of the Future](#) (MIND the Future) program, supported by NIDCR, is seeking applications by May 5, 2023. The program provides a diverse group of early stage scientists with one-on-one mentoring, instruction on research skills such as grant writing, and peer support. Learn about the experiences of the inaugural cohort in [this story](#).

The **purpose** of the Training News section is to showcase “Trainees”, trainee research accomplishments and celebrate trainee career milestones!

What to expect? Upcoming events, research findings, funding opportunities etc.

Follow NIDCR on Social Media: @NIDCR

LinkedIn (<https://www.linkedin.com/company/national-institute-of-dental-and-craniofacial-research-nidcr>)

Get NIDCR Updates

Subscribe

Connect with Us



www.nidcr.nih.gov

National Institute of Dental and Craniofacial Research

Advancing the nation's oral health
through research and innovation

National Institute of Dental and Craniofacial Research

Research Training and Career Development Branch



Anissa Brown, PhD, Chief

Rachel Saré, PhD, Program Officer

Shoba Thirumangalathu, PhD, Program Officer

nidcrtraining@nidcr.nih.gov

[Careers and Training](https://www.nidcr.nih.gov/careers-training)

(<https://www.nidcr.nih.gov/careers-training>)

Budget Overview

NRSA Fellowships

- Fiscal Year 2023 – National Research Service Award (NRSA) – [NOT-OD-23-076](#)
 - Stipend
 - Predoc - \$27,144/year
 - Postdoc - \$56,484-\$68,604/year
 - Tuition/Fees
 - Predoc – 60% of actual tuition level up to \$16,000/\$21,000
 - Postdoc – 60% of actual tuition level up to \$4,500/\$16,000
 - Institutional Allowance
 - Predoc - \$4,550
 - Postdoc - \$12,200

NRSA Fellowships – Additional Costs

- Travel Costs – for NIDCR \$800/year
- Childcare Costs – [NOT-OD-21-074](#)
 - Full-time NIH-NRSA-supported fellowship positions.
 - \$2,500 per budget period
 - How to request:
 - New Applications:
 - PHS Fellowship Supplemental Form
 - Enter \$2,500 for the Amount, and “12” for the number of months
 - Enter ‘Childcare Costs’ as the Type
 - Continuation Applications:
 - Section G.1 of the RPPR, upload a PDF named “Childcare Costs”
 - Attachment must include the amount and the number of years

Career Awards

- Salaries and Fringe Benefits
 - Up to \$100,000 plus fringe benefits/year
- Research Development Support Costs
 - Up to \$25,000/year
 - Commonly used for supplies, equipment, technical/statistical personnel, travel to research meetings or training, tuition/fees for courses, computational services
- Facilities and Administrative Costs
 - F&A/Indirect Costs at 8% of modified total direct costs (MTDC)
 - State/local agencies, and Indian tribes are eligible for full F&A costs
- Rebudgeting within direct costs categories is allowed without prior approval, unless a restriction is included in the Notice of Award

Institutional Training Grants

- Fiscal Year 2023 – National Research Service Award (NRSA) – [NOT-OD-23-076](#)
 - Stipend
 - Predoc - \$27,144/year
 - Postdoc - \$56,484-\$68,604/year
 - Tuition
 - Predoc – 60% of actual tuition up to \$16,000/\$21,000
 - Postdoc – 60% of actual tuition up to \$4,500/\$16,000
 - Trainee Related Expenses
 - Predoc - \$4,550
 - Postdoc - \$12,200
 - Travel – for NIDCR \$800/year
 - Childcare Costs – [NOT-OD-21-177](#)

NRSA Payback Requirements

- Applicable to postdoctoral fellows and trainees with at least 12 months of NRSA support
- Requires recipients of support to “pay back” Federal government by engaging in health-related research, research training, teaching (or combination)
- To “pay back”:
 - Receive an equal number of months of postdoc NRSA support beginning in the 13th month of such postdoc NRSA support
 - Engage in an equal number of months of applicable health-related activities averaging more than 20 hours per week

NRSA Fellowships and Institutional Training – Rebudgeting of Funds

- Stipends must be expended using the stipend level provided in the award. Any unexpended stipends must be returned and cannot be rebudgeted into another budget category.
- Tuition/fees is generally restricted and can only be rebudgeted after approval of a formal request.
- Institutional allowance/Trainee-Related Expenses is a fixed amount and can only be rebudgeted into the tuition/fees category without prior approval.
- Travel costs are not considered fellow/trainee costs, and can be rebudgeted into another category without prior approval

Scientific Review Overview

Overview of Peer Review at NIH

Thomas O'Farrell, Ph.D.
Scientific Review Officer
Scientific Review Branch
NIDCR, NIH



National Institute of Dental
and Craniofacial Research

Why Do Peer Review?

- Forms the cornerstone of the NIH extramural research mission.
- To identify the most promising research
- Applications are reviewed by scientific experts in a manner that is free of undue influence.

Courtesy of OER

Core Values of NIH Peer Review

All stakeholders and participants are responsible for upholding the core values of peer review

- Expert assessment
- Transparency
- Impartiality
- Fairness
- Integrity
- Security
- Confidentiality
- Efficiency

Courtesy of OER

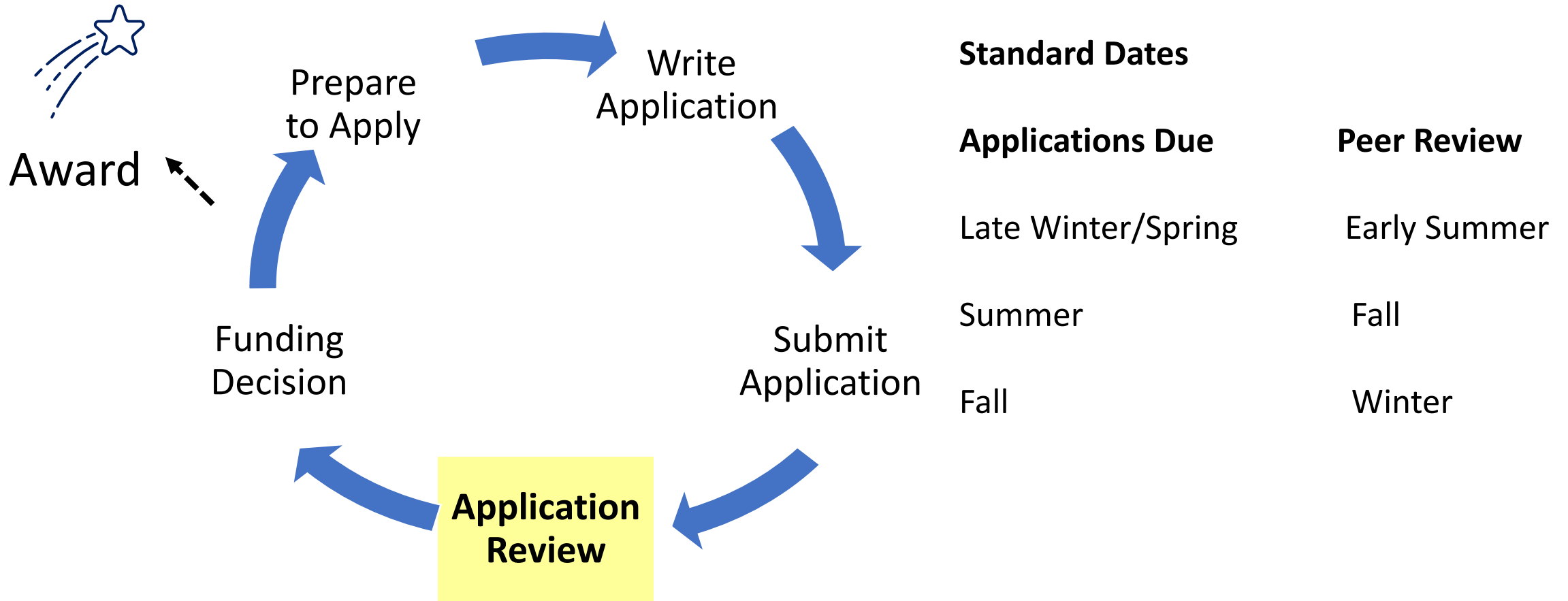
NIH Peer Review

Two-Tiered Review Process

- First Level of Review
 - Scientific and Technical Merit and/or potential to further the career goal and training of the applicants
 - Study Section or Special Emphasis Panel
- Second Level of Review
 - Institute/Center programmatic assessment
 - National Advisory Dental and Craniofacial Research Council

The NIDCR Director makes Final Funding Decisions

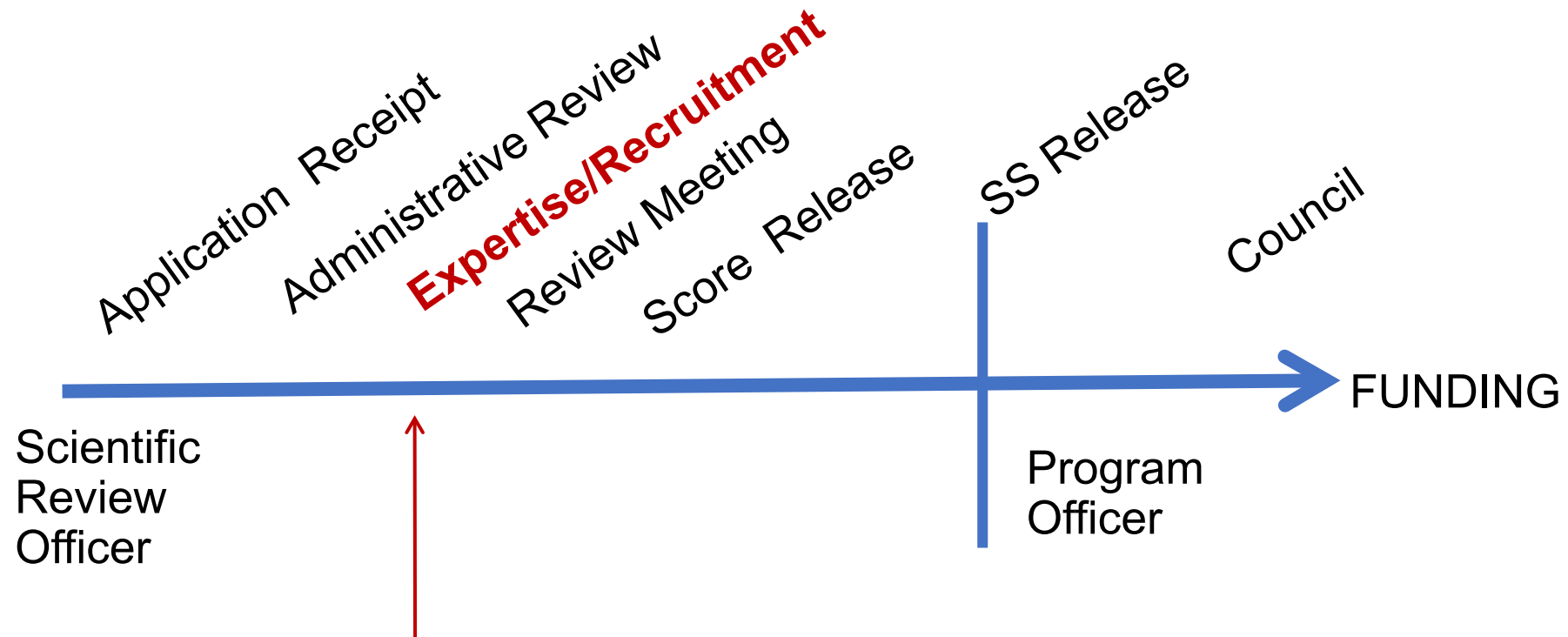
Application Review Cycle



Application Compliance Is Checked Prior to Review

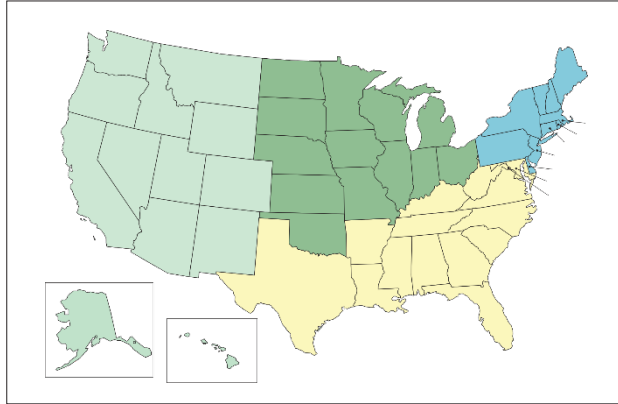


Scientific Review Officer Recruit 3 or More Reviewers Per Application

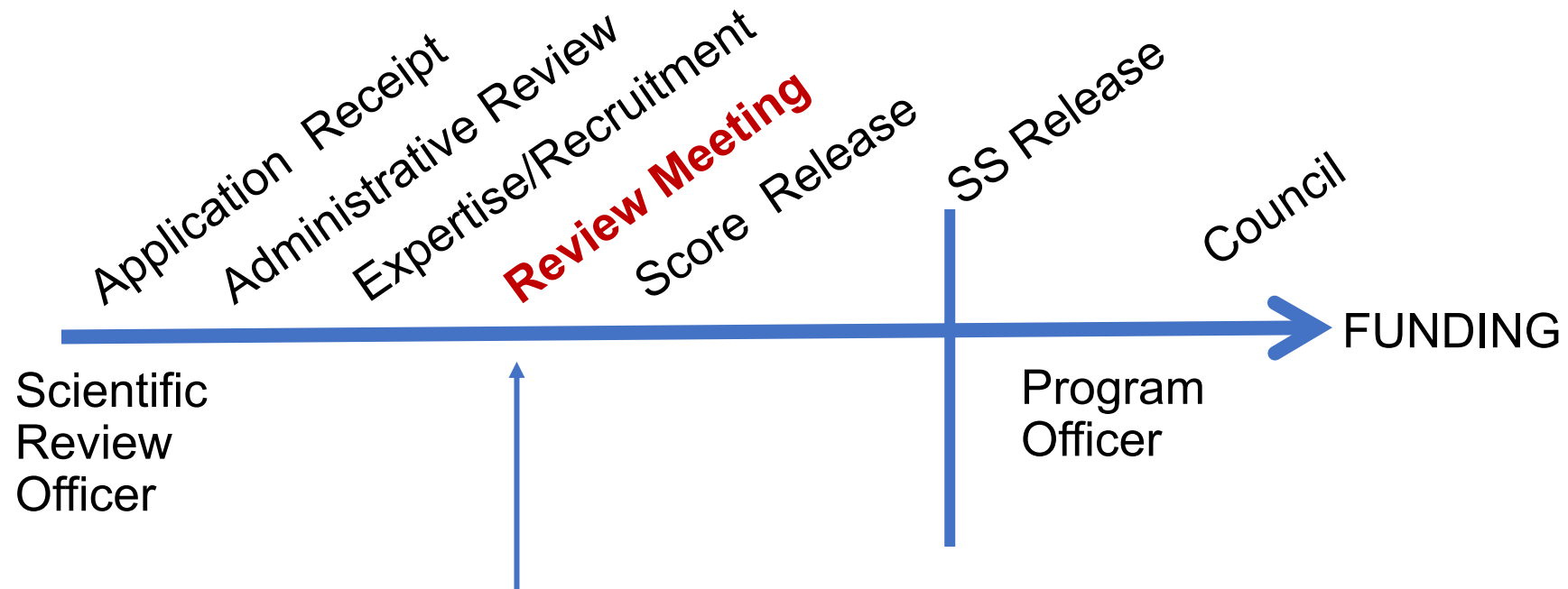


Factors Impacting Reviewer Recruitment

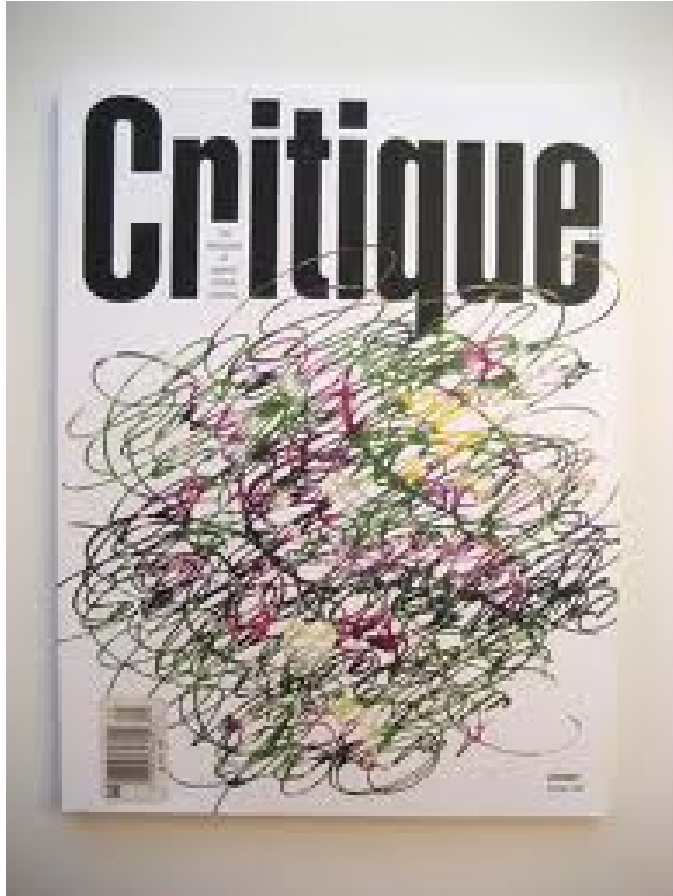
- Scientific & mentoring expertise
- Funding
- Career stage
- Review experience
- Publications
- Diversity



The SRO prepares for and holds the Peer Review Meeting



What happens before the review meeting?




- Three or more assigned reviewers
- Preliminary Overall Impact scores & individual Criterion scores
- Preliminary written critiques

Review Criteria for Fellowship Applications

Overall Impact	<ul style="list-style-type: none"> Likelihood that the fellowship will enhance the applicant's potential for, and commitment to, a productive independent scientific research career in a health-related field 	<ul style="list-style-type: none"> Takes into consideration the scored and additional review criteria below
Scored Review Criteria 	<ul style="list-style-type: none"> Fellowship Applicant Sponsors, Collaborators, and Consultants Research Training Plan Training Potential Institutional Environment and Commitment to Training 	<ul style="list-style-type: none"> Scored individually Factored into overall impact score
Additional Review Criteria	<ul style="list-style-type: none"> Protections for Human Subjects Inclusion Plans Vertebrate Animals Biohazards Resubmission 	<ul style="list-style-type: none"> Not scored individually Factored into overall impact score
Additional Review Considerations	<ul style="list-style-type: none"> Training in the Responsible Conduct of Research Select Agents Resource Sharing Plans Budget & Period of Support 	<ul style="list-style-type: none"> Not scored individually Not factored into overall score

Review Criteria for Career Development (K) Applications

Overall Impact	<ul style="list-style-type: none"> Likelihood that the proposed career development and research plan will enhance the candidate's potential for a productive, independent scientific research career in a health-related field. 	<ul style="list-style-type: none"> Takes into consideration the scored and additional review criteria below
Scored Review Criteria 	<ul style="list-style-type: none"> Candidate Career development plan Research plan Mentors, consultants, and collaborators Environment and institutional commitment to the candidate 	<ul style="list-style-type: none"> Scored individually Factored into overall impact score
Additional Review Criteria	<ul style="list-style-type: none"> Protections for Human Subjects Inclusion Plans Vertebrate Animals Biohazards Resubmission; Renewal 	<ul style="list-style-type: none"> Not scored individually Factored into overall impact score
Additional Review Considerations	<ul style="list-style-type: none"> Training in the Responsible Conduct of Research Applications from Foreign Institutions Select Agents Resource Sharing Plans Authentication of Key Biological and/or Chemical Resources Budget & Period of Support 	<ul style="list-style-type: none"> Not scored individually Not factored into overall score

Peer Review Participants

Scientific Review Officer

- Ensures reviewers provide fair review and abide by the 8 core values of peer review: expert assessment, transparency, impartiality, fairness, confidentiality, security, integrity, efficiency
- Ensures review criteria are applied appropriately
- Ensures NIH peer review laws and policies are followed



Peer Reviewers

- Scientists with appropriate expertise
- Committed to objective and unbiased review
- **DO NOT MAKE FUNDING DECISIONS!!!**

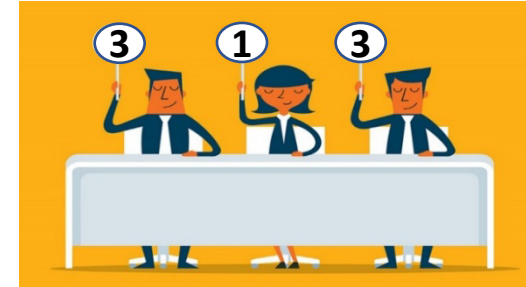
What happens at the review meeting?

- **Preliminary scores:** decision on whether an application will be discussed or “streamlined”
- **Score-driving Strengths and Weaknesses** presented by assigned reviewers
- **Discussion:** all members of the study section discuss the application
- **Voting:** all study section members present for the discussion vote based on information presented and discussed, score range 1-9
- **Final score: Average of all scores X 10. Ex., 3.4 becomes 34.**



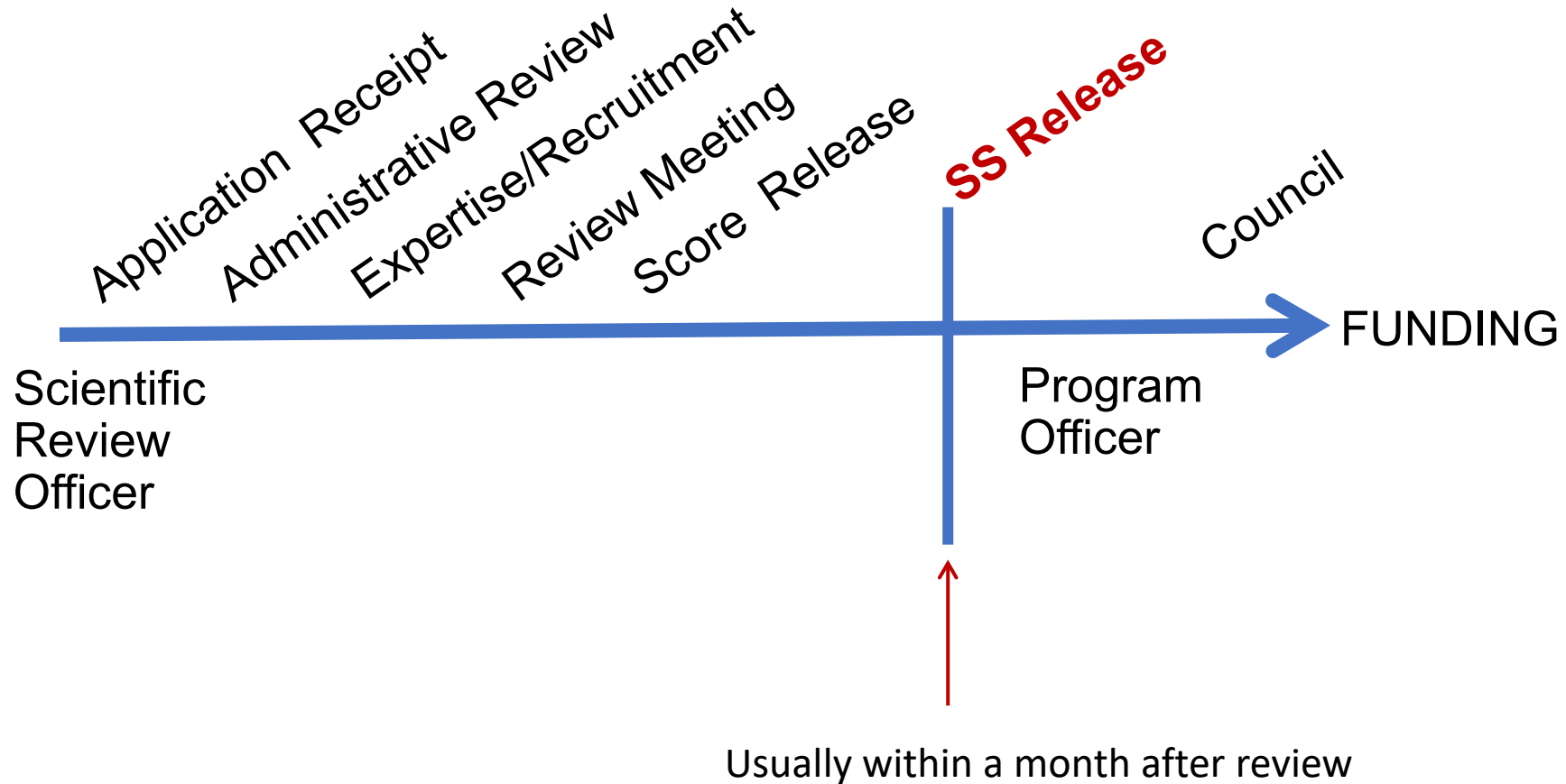
Application Scores Available *via* eRA Commons

- Score released to personal eRA Commons account no later than 3 business days after review meeting
- PI can view only their own score
- Discussed applications receive numerical scores



Impact	Score	Descriptor	Additional Guidance on Strengths/Weaknesses
High	1	Exceptional	Exceptionally strong with essentially no weaknesses
	2	Outstanding	Extremely strong with negligible weaknesses
	3	Excellent	Very strong with only some minor weaknesses
Medium	4	Very Good	Strong but with numerous minor weaknesses
	5	Good	Strong but with at least one moderate weakness
	6	Satisfactory	Some strengths but also some moderate weaknesses
Low	7	Fair	Some strengths but with at least one major weakness
	8	Marginal	A few strengths and a few major weaknesses
	9	Poor	Very few strengths and numerous major weaknesses

Summary Statement Release



Summary Statements Published on eRA Commons

PROGRAM CONTACT:
LESLIE FRIEDEN
301-496-4263
friedenla@nidcr.nih.gov

SUMMARY STATEMENT
(Privileged Communication)

Release Date: 03/10/2011

Application Number: 1 F30 DE00100-01

Spat, Jack
The Regents of the University of California, San Lean
Could Eat No Fat Research Lab
San Lean, CA 91111

Review Group: DSR
NIDCR Special Grants Review Committee
NIDCR Special Grants Review Committee: Review of F, K, and R03 Applications

Meeting Date: 02/24/2011
Council: MAY 2011
Requested Start:

PCC: L5R

Project Title: Analysis of the Role of Cookie Crumbs Signaling in Smileogenesis

Requested: 2 year

Sponsor: His, Wife
Department: Platter Sciences
Organization: UNIVERSITY OF CALIFORNIA SAN LEAN
City, State: SAN LEAN CALIFORNIA

SRG Action: Impact/Priority Score: 33
Human Subjects: 30-Human subjects involved - Certified, no SRG concerns
Animal Subjects: 44-Vertebrate animals involved - SRG concerns
Gender: 1A-Both genders, scientifically acceptable
Minority: 1A-Minorities and non-minorities, scientifically acceptable
Children: 1A-Both Children and Adults, scientifically acceptable
Clinical Research - not NIH-defined Phase III Trial

What Is in the Summary Statement?

Resume (summary) if Application is discussed

Reviewer 1, 2 and 3

Significance 1

Investigator 3

Innovation 2

Approach 4

Environment 1

Comments on each

Additional review criteria and considerations

- **Human Subjects, Vertebrate Animals, etc.**
- **Budget recommendation**

Roster

Tips for Preparing Your Application

- Start Early
- Select and read the entire FOA
- Follow Instructions in FOA
- Follow SF424 Instructions/Supplemental
- Use the Assignment Request Form

Tips on Writing a Competitive Application

Peer Review is Not Perfect

- Bias cannot be completely eliminated
- Perspective differ among reviews – big picture, details
- Some reviewers are more critical than others

Tips on Writing a Competitive Application

- Approaches should be innovative, state of the art techniques, datasets should be most recent.
- Mentors and Collaborators – Make sure all the expertise is covered.
- Letters of Support should be strong not boiler plate. Collaborators biosketches.
- Have your draft application reviewed by someone that has obtained funding and not involved in your work. Ask them to score it.

Grants Resources

- [NIH Grants Home Page](https://grants.nih.gov/)
(<https://grants.nih.gov/>)
- [Information for Researchers](https://grants.nih.gov/grants/information-for-research.htm), many useful links
(<https://grants.nih.gov/grants/information-for-research.htm>)
- [Links to Instructions for each type of Grant](https://grants.nih.gov/grants/how-to-apply-application-guide.html)
(<https://grants.nih.gov/grants/how-to-apply-application-guide.html>)

<https://www.nidcr.nih.gov/>

Advancing the nation's oral health
through research and innovation

Questions?

Tom O'Farrell

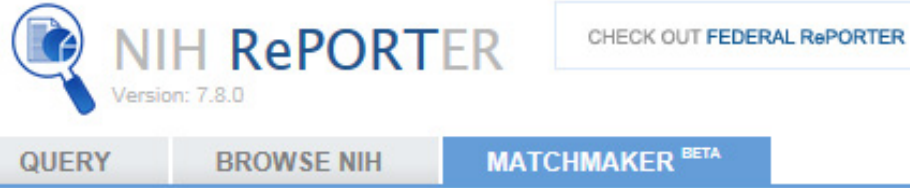
Scientific Review Officer

Scientific Review Branch

NIDCR, NIH

Tom.o'farrell@nih.gov

NIH RePORTER: Identify Research Areas and Mentors



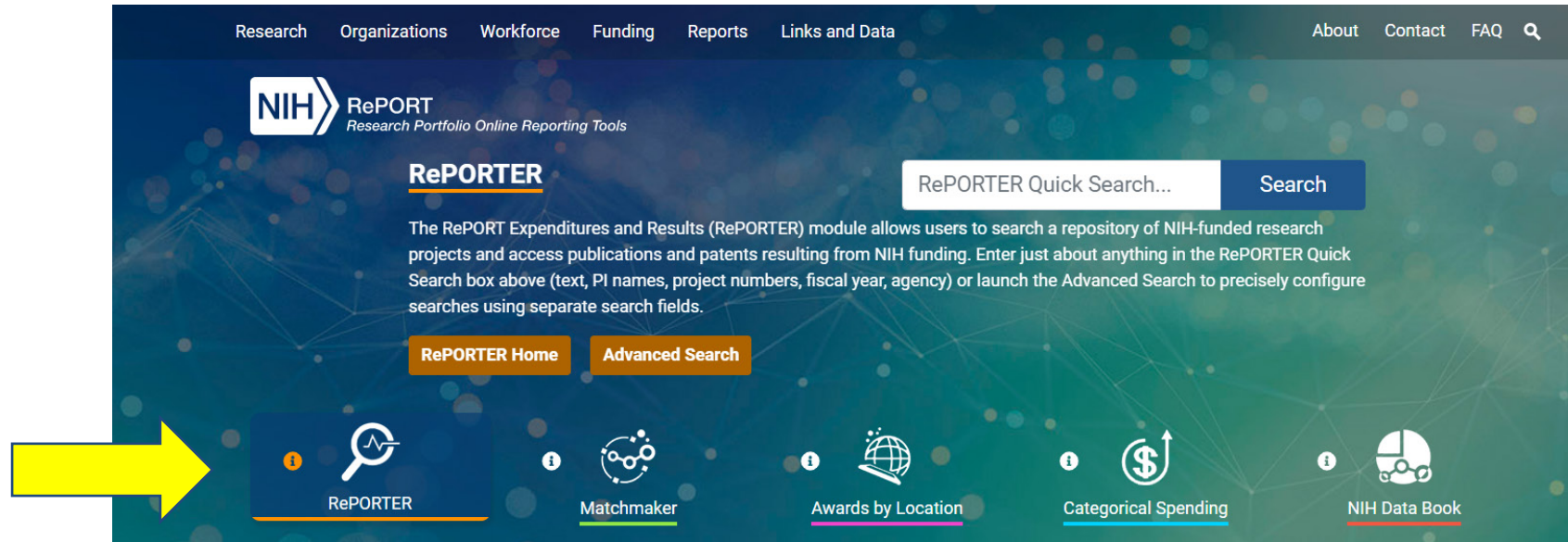
[NIH RePORTER](https://projectreporter.nih.gov/)

<https://projectreporter.nih.gov/>

RePORTER (RePORT Expenditures and Results)

- Database of NIH-funded research projects
- MATCHMAKER tool: text searches
- Resource to identify:
 - **Potential mentors and collaborators**
 - **Research gaps and opportunities**
 - **Individual NIH Institute/Center funded research area(s)**
 - Peer review Study Sections
 - NIH Program Officer contact information

Accessing NIH Funded Research Topics



The screenshot shows the NIH RePORT website homepage. The navigation bar at the top includes links for Research, Organizations, Workforce, Funding, Reports, Links and Data, About, Contact, and FAQ. The main content area features the NIH RePORT logo and a search bar labeled 'RePORTER Quick Search...' with a 'Search' button. Below the search bar, there is a description of the RePORTER module and two buttons: 'RePORTER Home' and 'Advanced Search'. At the bottom, there is a navigation bar with five icons and labels: 'RePORTER', 'Matchmaker', 'Awards by Location', 'Categorical Spending', and 'NIH Data Book'. A yellow arrow points to the 'RePORTER' icon.

Welcome to Research Portfolio Online Reporting Tools (RePORT)

In addition to carrying out its scientific mission, the NIH exemplifies and promotes the highest level of public accountability. To that end, the Research Portfolio Online Reporting Tools provides access to reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH supported research.

Spotlight

[NIH COVID-19 Research](#)

Explore NIH's comprehensive summary of ongoing COVID-19 research, including funding, clinical trials, and more.

[Preview a modernized RePORTER](#), which offers faster searches and mobile-friendly interface.

[Subscribe](#) to the NIH RePORT ListServ to stay up to date on changes to these sites.

Accessing NIH Funded Research Topics

Quick Search

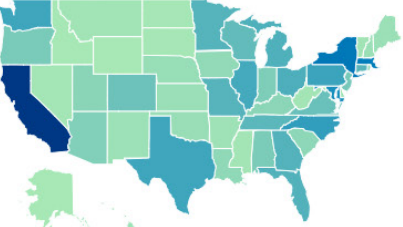
Enter just about anything in the RePORTER Quick Search box above (text, PI names, project numbers, fiscal year, agency) or launch the Advanced Search to precisely configure searches using separate search fields.

Welcome to the NIH RePORTER

Each award supported by NIH promotes efforts to seek fundamental knowledge about the nature and behavior of living systems and/or the application of that knowledge to enhance health, lengthen life, and reduce illness and disability.

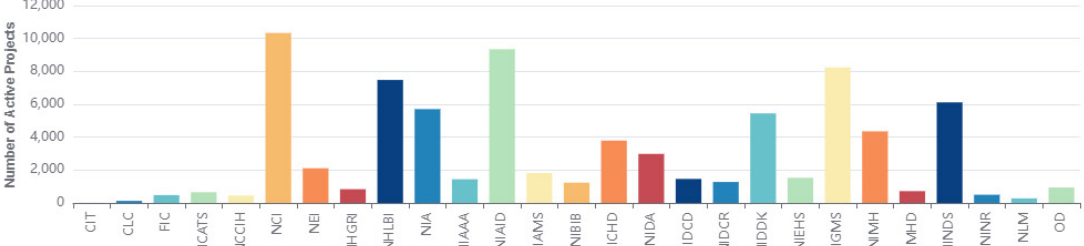
Active Funding by State

Select a state to view projects



Active Projects by Institute/Center

Select a bar to view projects for an Institute/Center



Institute/Center	Number of Active Projects (approx.)
CIT	100
CLC	100
FIC	200
NCATS	500
NCCIH	1000
NCI	10000
NEI	2000
NHGRI	1000
NHLBI	7000
NIA	5500
NIAAA	1500
NIAID	9000
NIAAMS	1800
NIBIB	1200
NICHD	3800
NIDA	3000
NIDCD	1500
NIDCR	1200
NIDDK	5500
NIEHS	1500
NIGMS	8000
NIMH	4500
NIMHD	1000
NINDS	6000
NINR	500
NLM	200
OD	1000

Advanced Projects Search

Researcher and Organization

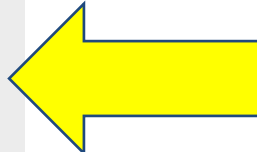
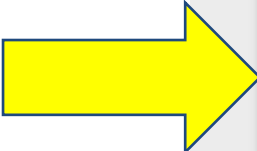
Fiscal Year [?] Current FY is 2022

Principal Investigator (PI) [?]

Organization [?] Enter at least 3 characters to search

Matchmaker

Find potential Program Officials, ICs, and review panels for your research.



Application Preparation - Tips

- Read Notice of Funding Opportunity from beginning to end multiple times.
- Submit biosketch and specific aims to NIDCR RTCDB Program Officers for review of alignment to NIDCR mission.
- Consult with individuals not intimately involved in your project for the feedback on application.
- Don't bury important information; don't expect reviewers to "read between the lines" to figure out what you are proposing.
- For fellowships and career development awards,
 - Apply early
 - Consider a Sponsor and/or Co-Sponsor.
- Make sure faculty biosketches are up-to-date and the personal statement is relevant to the funding opportunity.
- For institutional awards,
 - Consider Program leadership with complimentary expertise
 - Data in tables and text should align
- Present outcomes data in a straightforward manner.
 - Don't exaggerate
 - Don't hide data (reviewers will "do the math")
- After Scientific Review, contact Program Officer to discuss the details of the Summary Statement

NIH Resources

- [Grants Process Overview](https://www.nidcr.nih.gov/grants-funding/grants-process/grants-process-overview)
(<https://www.nidcr.nih.gov/grants-funding/grants-process/grants-process-overview>)
- [What happens to your application during and after review?](https://public.csr.nih.gov/ForApplicants/InitialReviewResultsAndAppeals/applicationduringafterreview)
(<https://public.csr.nih.gov/ForApplicants/InitialReviewResultsAndAppeals/applicationduringafterreview>)
- [Peer Review](https://grants.nih.gov/grants/peer-review.htm) (<https://grants.nih.gov/grants/peer-review.htm>)
- [Understand the Review Process](https://www.niaid.nih.gov/grants-contracts/review-process) (<https://www.niaid.nih.gov/grants-contracts/review-process>)
- NIH has a YouTube Channel, one can select Channels, then select the channel for Grants
 - [Fundamentals of the NIH Grant Process and Need to Know Resources](https://www.youtube.com/watch?v=-U72FWz2YCg)
(<https://www.youtube.com/watch?v=-U72FWz2YCg>)
 - [NIH Grant Basics and Need-to-Know Resources](https://www.youtube.com/watch?v=YWSB4Mjsk2M)
(<https://www.youtube.com/watch?v=YWSB4Mjsk2M>)



Text Alternatives for Diagrams

Text Alternative for Slide 12 – NIDCR Research Training Programs

- In the middle of the slide, there is a thick arrow that spans the entire width of the slide, and points to the right. Different career stages are written across the arrow, progressing left to right as follows: High School, College students, Predoctoral, Dual degree, Postdoctoral, Junior Faculty, Investigator.
- Above and below the arrow are boxes that contain the titles of different NIDCR research training programs, placed according to the career stage eligible for each one. The boxes are color coded to differentiate intramural and extramural opportunities.
- List of NIDCR Research Training Programs, Organized By Career Stage
- High School
 - Intramural: NIH Summer Internship Program
 - Extramural: Science Education Partnership Award (SEPA) R25, Summer Research Experience R25
- College students
 - Intramural: NIH Summer Internship Program
 - Extramural: Summer Research Experience R25
- Predoctoral, Dual degree
 - Intramural: NIH Summer Internship Program, Graduate Partnership, Medical Research Scholars
 - Extramural: Fellowships (F's) Pre-Post F99/K00, Summer Research Experience R25, Institutional Training T32 and T90/R90
- Postdoctoral
 - Intramural: Career Transition Awards (K), Clinical Research Fellowship
 - Extramural: Fellowship (F) Career Awards (K's, K99/R00), Institutional Training T32 and T90/R90, K12 Dental Specialty + PhD, NIH Loan Repayment Programs, NIDCR-AADOCR Mentoring Network
- Junior Faculty
 - Intramural: Career Transition Awards (K)
 - Extramural: Career Awards (K's), NIH Loan Repayment Programs, NIDCR-AADOCR Mentoring Network
- Investigator
 - Extramural: Research Development F & K, NIH Loan Repayment Programs
- The very end of the arrow indicates that once applicants reach the investigator stage of career development, they may apply for non-training related opportunities such as Research Project Grants (R03, R15, R21, R01).

Text Alternative for Slide 14 – NIDCR Research Training & Career Development Programs to Enhance Diversity

In the middle of the slide, there is a thick arrow that spans the entire width of the slide, and points to the right. Different career stages are written across the arrow, progressing left to right as follows: High School, Undergraduate, Predoctoral, Postdoctoral, Junior Faculty, Investigator.

Above and below the arrow are boxes that contain the titles of different programs to enhance diversity, placed according to the career stage eligible for each one. The boxes are placed above or below the arrow to differentiate NIDCR-specific programs from broader programs that may have multiple NIH institutes participating.

List of NIDCR Research Training & Career Development Programs to Enhance Diversity, Organized by Career Stage.

- High School
 - NIDCR-Participating Programs: Research Supplements to Promote Diversity & Disabled Investigators

- Undergraduate
 - NIDCR-Participating Programs: Research Supplements to Promote Diversity & Disabled Investigators, SBIR/STTR Research Supplements to Promote Diversity & Disabled Investigators, NIH Blueprint ENDURE, CF BUILD Program, Common Fund National Research Mentoring Network, NHGRI R25 Diversity Action Plan in Genomics, R15 Research Enhancement Award Program, R15 Academic Research Enhancement Award
- Predoctoral
 - NIDCR-Specific Programs: NIDCR F99/K00 to enhance diversity
 - NIDCR-Participating Programs: Research Supplements to Promote Diversity & Disabled Investigators, SBIR/STTR Research Supplements to Promote Diversity & Disabled Investigators, NIH Blueprint Diversity F99/K00 D-SPAN, NIH F31- Diversity, Common Fund National Research Mentoring Network, NHGRI R25 Diversity Action Plan in Genomics, R15 Research Enhancement Award Program, FIC Institutional D43 Fellows and Scholars, FIC Institutional D43 NCD –LIFESPAN

Text Alternative for Slide 14 – NIDCR Research Training & Career Development Programs to Enhance Diversity (continued)

- Postdoctoral
 - NIDCR-Specific Programs: NIDCR F99/K00 to enhance diversity, NIDCR – AADOCR Mentoring Network (UE5), NIH K01 – NIDCR to promote re-entry, NIDCR K01 to enhance diversity
 - NIDCR-Participating Programs: Research Supplements to Promote Diversity & Disabled Investigators, SBIR/STTR Research Supplements to Promote Diversity & Disabled Investigators, NIH Blueprint Diversity F99/K00 D-SPAN, NIGMS MOSAIC K99/00, Common Fund National Research Mentoring Network, Research Supplements to Promote Re-entry, NIGMS SuRE Research Capacity Programs (R16), FIC Institutional D43 Fellows and Scholars, FIC Institutional D43 NCD –LIFESPAN, NIH Loan Repayment Programs
- Junior Faculty
 - NIDCR-Specific Programs: NIDCR – AADOCR Mentoring Network (UE5), NIH K01 – NIDCR to promote re-entry, NIDCR K01 to enhance diversity
 - NIDCR-Participating Programs: Research Supplements to Promote Diversity & Disabled Investigators, SBIR/STTR Research Supplements to Promote Diversity & Disabled Investigators, CF FIRST Program, NIGMS MOSAIC K99/00, Common Fund National Research Mentoring Network, Research Supplements to Promote Re-entry, NIGMS SuRE Research Capacity Programs (R16), FIC K43 Global Leaders, FIC Institutional D43 Fellows and Scholars, NIH Loan Repayment Programs
- Investigator
 - NIDCR-Participating Programs: Research Supplements to Promote Diversity & Disabled Investigators, SBIR/STTR Research Supplements to Promote Diversity & Disabled Investigators

Text Alternative for Slide 19 – NIDCR Fellowship (F), Career Development (K) and Career Transition Awards (F99/K00; K99/R00)

In the middle of the slide, there is a thick arrow that spans the entire width of the slide, and points to the right. Different career stages are written across the arrow, progressing left to right as follows: Predoctoral, Postdoctoral, Early-Stage Investigator.

Above the arrow are boxes that indicate the opportunities available for each stage, as follows:

- Predoctoral: F30, F31, F99/K00
- Postdoctoral: F32, K01, K08, K22, K23, K25, K99/R00
- Early-Stage Investigator: K01, K08, K23, K25, K43

Boxes below the arrow describe each opportunity type:

- Fellowships (F) provide support for predoctoral research training, predoctoral dual degree research training, or mentored postdoctoral research training
- The Predoctoral to Postdoctoral Transition Award (F99/K00) provides support from a period of mentored predoctoral research training through postdoctoral career development
- The Postdoctoral to Faculty Career Transition Awards (K99/R00 & K22) provide support from a period of mentored postdoctoral career development through the establishment of independent research support
- Career Development Awards (K) provide support for postdoctoral or junior faculty to receive mentored research career development

Text Alternative for Slide 35 – Administrative Supplements to Active NIDCR Research Grants

In the middle of the slide, there is a thick arrow that spans the entire width of the slide, and points to the right. Different career stages are written across the arrow, progressing left to right as follows: High School, College Student, Predoctoral & Dual Degree, Postdoctoral, Early-stage Investigator, Investigator.

Below the arrow are boxes that contain the titles of different Administrative Supplements to Active NIDCR Research Grants, placed according to the career stage eligible for each one.

List of Administrative Supplements to Active NIDCR Research Grants, Organized by Career Stage

- High School
 - Research Supplements to Promote Diversity, Investigators who become Disabled
- College Student
 - Research Supplements to Promote Diversity, Investigators who become Disabled
- Predoctoral & Dual Degree
 - Research Supplements to Promote Diversity, Investigators who become Disabled
 - Research Supplements to Promote Re-entry and Re-integration
- Postdoctoral
 - Research Supplements to Promote Diversity, Investigators who become Disabled
 - Research Supplements to Promote Re-entry and Re-integration
 - Research Supplements for Dentists Post-Residency
 - Supplements to K awards to Support Research Continuity

Text Alternative for Slide 35 – Administrative Supplements to Active NIDCR Research Grants (continued)

- Early-stage Investigator
 - Research Supplements to Promote Diversity, Investigators who become Disabled
 - Research Supplements to Promote Re-entry and Re-integration
 - Research Supplements for Dentists Post-Residency
 - Supplements to K awards to Support Research Continuity
- Investigator
 - Research Supplements to Promote Diversity, Investigators who become Disabled
- Research Supplements to Promote Re-entry and Re-integration

Text Alternative for Slide 42 – NIDCR Research Training Programs (<https://nidcr.nih.gov/careers-training>)

The slide is titled NIDCR Research Training Programs, followed by a corresponding web link to <https://www.nidcr.nih.gov/careers-training>.

In the middle of the slide, there is a thick arrow that spans the entire width of the slide, and points to the right. Different career stages are written across the arrow, progressing left to right as follows: High School, College students, Predoctoral, Dual degree, Postdoctoral, Junior Faculty, Investigator.

Above and below the arrow are boxes that contain the titles of different NIDCR research training programs, placed according to the career stage eligible for each one. The boxes are color coded to differentiate intramural and extramural opportunities.

List of NIDCR Research Training Programs, Organized By Career Stage

- High School
 - Intramural: NIH Summer Internship Program
 - Extramural: Science Education Partnership Award (SEPA) R25, Summer Research Experience R25, NHGRI R25 Diversity Action Plan in Genomics
- College students
 - Intramural: NIH Summer Internship Program
 - Extramural: Summer Research Experience R25, NHGRI R25 Diversity Action Plan in Genomics
- Predoctoral, Dual degree
 - Intramural: NIH Summer Internship Program, Graduate Partnership, Medical Research Scholars
 - Extramural: Fellowships (F's) Pre-Post F99/K00, Summer Research Experience R25, Institutional Training T32 and T90/R90, NHGRI R25 Diversity Action Plan in Genomics

Text Alternative for Slide 42 – NIDCR Research Training Programs (<https://nidcr.nih.gov/careers-training>) (continued)

- Postdoctoral
 - Intramural: Career Transition Awards (K), Clinical Research Fellowship
 - Extramural: Fellowship (F) Career Awards (K's, K99/R00), Institutional Training T32 and T90/R90, K12 Dental Specialty + PhD, NIDCR-AADOCR Mentoring Network
- Junior Faculty
 - Intramural: Career Transition Awards (K)
 - Extramural: Career Awards (K's), NIDCR-AADOCR Mentoring Network, NIGMS SuRE Research Capacity Programs (R16)
- Investigator
 - Extramural: Research Development F & K, NIGMS SuRE Research Capacity Programs (R16)

The very end of the arrow indicates that once applicants reach the investigator stage of career development, they may apply for non-training related opportunities such as Research Project Grants (R03, R15, R21, R01).