Center for Cancer Health Equity (CCHE): Diversity Training Overview

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Center for Cancer Health Equity

Mission

CCHE strives to achieve health equity by working towards eliminating health disparities, advancing inclusive research across basic, clinical, translational, and population-based studies, promoting a diverse workforce, and enhancing community engagement.

Vision

Eliminating Cancer Health Disparities and Achieving Cancer Health Equity

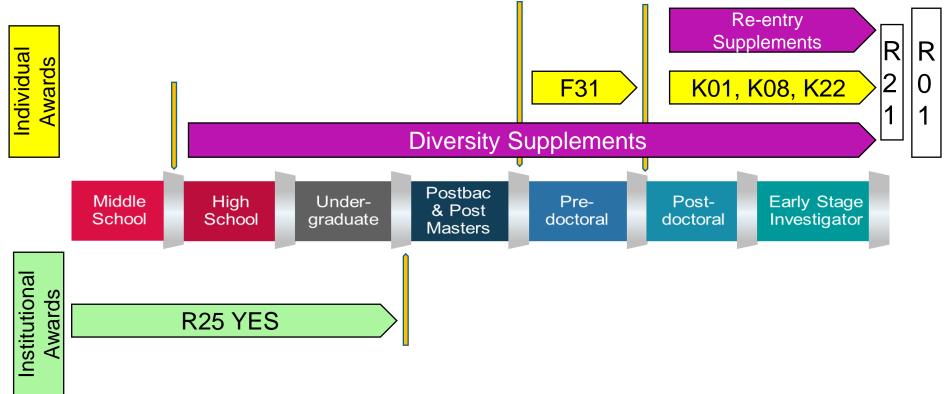




NCI CCHE Diversity Training Pathway (Extramural)



Continuing Umbrella of Research Experiences (CURE) Funding Mechanisms



CURE and iCURE Provide an Ecosystem of Support















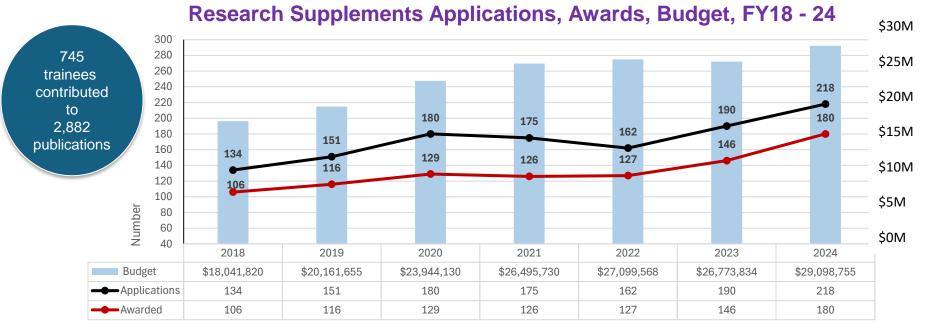


Trends by Mechanism

CURE Research Supplements to Promote Diversity in Health-Related Research: Re-Entry/Re-Integration/Re-training



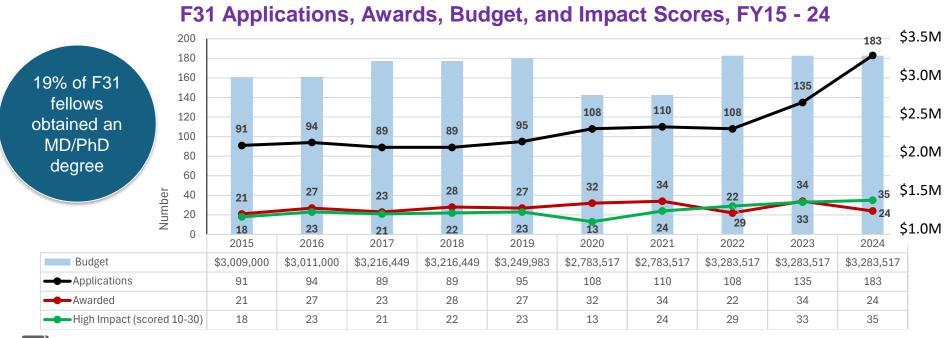
Objective: Promotes the diversity of the research workforce by recruiting, mentoring, training, and supporting the career development of individuals from high school to early-stage investigator levels.



Ruth L. Kirschstein National Research Service Award (NRSA) - F31 Diversity Predoctoral Fellowship



Objective: To increase biomedical workforce diversity by supporting mentored research training leading to a Ph.D. or equivalent or combined dual doctoral degrees.

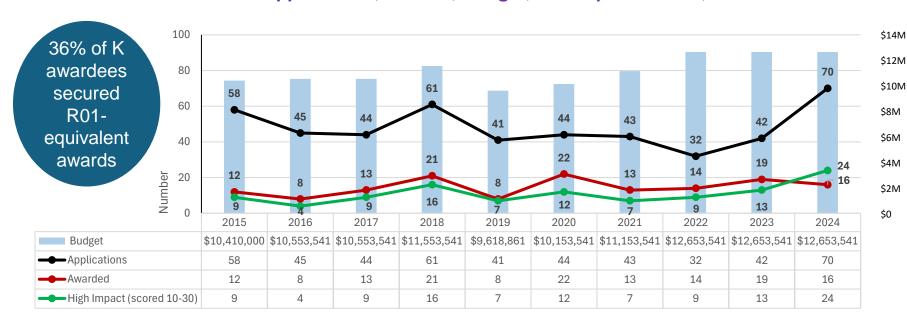


Career Development to Promote Diversity Awards (K01, K08, K22)



Objective: To support the training and development of cancer researchers to foster their transition to research independence/established investigator.

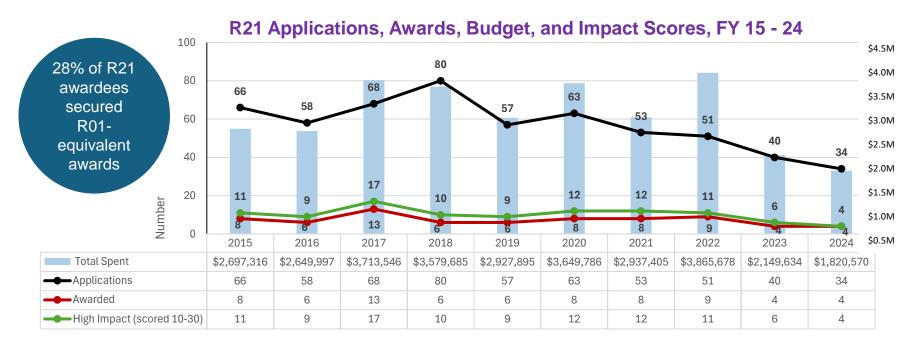
K Applications, Awards, Budget, and Impact Scores, FY15 - 24



R21 Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research

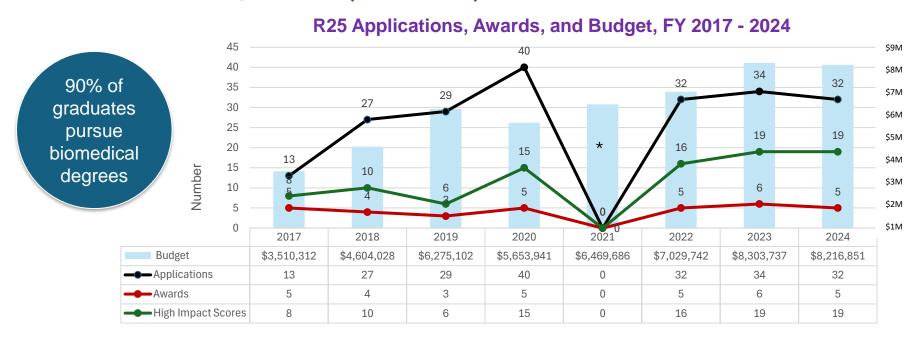


Objective: Provides a bridge to investigators who have completed their training and may need extra time and/or support to develop a larger research project grant (e.g., R01) application.



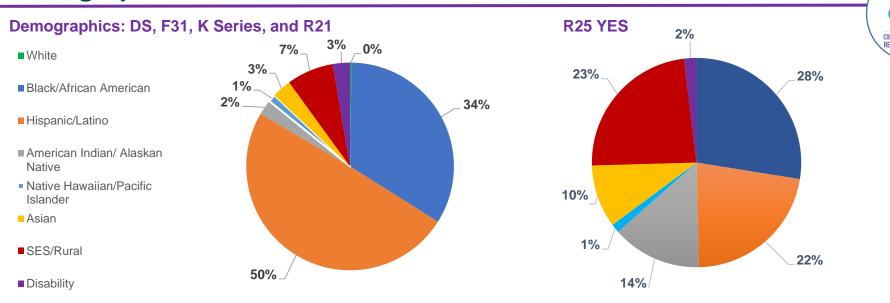
R25 Youth Enjoy Science (YES) Program

Objective: To facilitate the education of students from diverse backgrounds who are underrepresented in biomedical research. R25 YES supports cancer research, education, and outreach activities for middle school, high school, and undergraduate students and their teachers. **Trainees:** *N*=2,449 since (2017 – 2023)

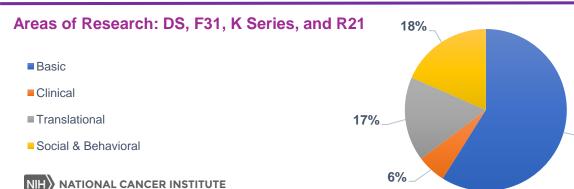


^{*} No active NOFO during FY 2021.

Demographics and Areas of Research, FY19 – 23



59%



Number of Applications and Awards, FY23 vs. FY24



Mechanism	Applications Received, FY23	Applications Received, FY24	% Change of # Applications Received, FY23 vs. FY24	New Awards	Total Active Awards	% Change of # New Awards, FY23 vs. FY24
DS	171	219	28%	180	373	25%
F31	129	183	42%	24	73	-29%
K01	20	29	45%	6	30	-14%
K08	20	33	65%	7	24	-13%
K22	8	8	0%	3	8	-40%
R21	45	37	-18%	4	9	0%
R25	34	32	-6%	5	24	-38%
TOTAL	427	541		229	541	

APPROACH

Intramural Continuing Umbrella of Research Experiences Launched in December 2017



Mentored research experiences (2-3 years) for **postbacs**, **graduate students** and **postdocs** at NCI campuses in Maryland

Centralized application and review; <u>applicants</u> do not need to pre-identify a Pl

Cohort program (9-21/year total)



ACCOMPLISHMENTS

- 26% Acceptance Rate; 105 Scholars over 7
 Cohorts (10 onboarding currently)
- 83% Identify with one or more UR populations;
 Increased >100% African American Fellows and >50% Hispanic and Native Hawaiian/Pacific Islander Fellows at NCI (Based on Analysis from FY18 FY22)
- 62 Transitions including 86% Postbacs in Grad School (PhD, MD, MS/MPH), 100% Grad students earned PhDs and 50% continue at NCI; and 61% Postdocs stay in government and 11% Academic Track
- 62 publications and 258 presentations (poster and oral) (FY18 – FY23)

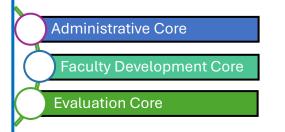
Faculty Institutional Recruitment for Sustainable Transformation (FIRST) an NIH Common Fund Program

Goal: Create cultures of inclusive excellence (establishing and maintaining scientific environments that can cultivate and benefit from a full range of talent) at NIH-funded institutions.

Faculty Cohort Programs

- Culture change towards inclusive excellence
- Recruit and hire diverse cohort of faculty
- Faculty development, mentoring, sponsorship towards independent career

U54, Managed by NCI



Coordination & Evaluation Center (CEC): coordinate and facilitate development of strategies with FIRST Cohort awardees to conduct a comprehensive evaluation of the FIRST program.

U24, Awarded to Morehouse; Managed by NIMHD

RFA	Awards	Anticipated Total Faculty	Anticipated Cancer Faculty
RFA-RM-20-022	(6): Cornell, Icahn at Mount Sinai*, SDSU*, FSU, Drexel, UAB/TU*	61	9
RFA-RM-21-025	(5) Northwestern*, U New Mexico, UCSD*, U Maryland SOM/UMBC*, U South Carolina	56	10
RFA-RM-22-008	(4) UT Southwestern/Dallas* , U Michigan at Ann Arbor, Vanderbilt, UT El Paso*	64	6



