

DEIB is mission-critical for NYSCF

- Susan L. Solomon, Founding CEO

A diverse, inclusive, equitable workforce where all individuals feel a sense of belonging is a productive, collaborative, innovative workforce.

Research

Building an ethnic diversity biobank of iPSCs as community resource Increasing diversity of lines in projects

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Events & Communications

Student education & outreach Session at annual conference Webinars

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Affinity Groups
Training
Recruitment



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Grantmaking

Institutional Report Card: Gender Equity
Flexible Funding
Implicit Bias Statement/Training
New RFA elements & review process



NYSCF Ethnic Diversity Biobank

A community resource to help overcome racial health disparities

Healthy control and patient lines (MS, Alzheimer's, more) Expanding in nationwide partnerships

Stem cells from ethnically diverse populations will help to ensure that disease research benefits everyone



NYSCF Initiative on Women In Science and Engineering (IWISE)

Low-cost/no-cost actionable strategies

Direct financial support strategies

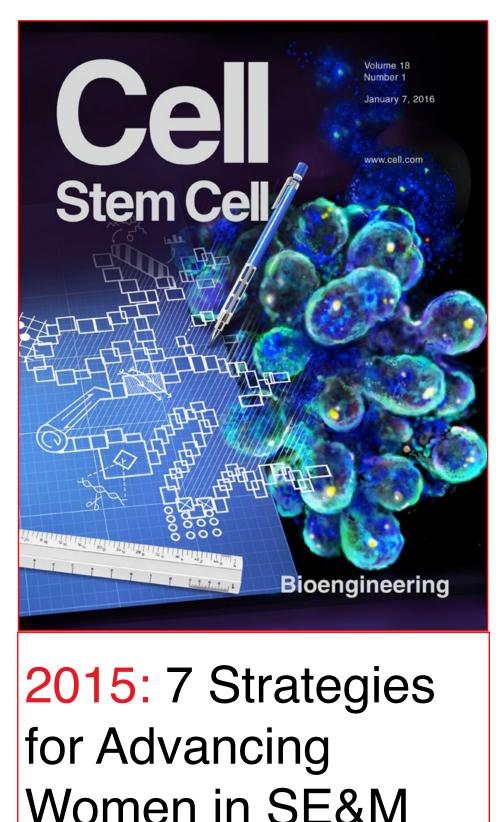
- Implement flexible childcare spending
- Provide "extra hands" awards

Psychological and cultural strategies

- Recruit gender balanced external review committees
- Incorporate implicit bias statements
- Focus on education as tool

Major collaborative and international initiatives

- Create an institutional report card for gender equality
- Partner to expand upon existing searchable databases of women in science, medicine and engineering



Women in SE&M

Smith KA et al., Cell Stem Cell (2015)

Goals: Institutional Report Card for Gender Equity

- Shine a light on gender disparities
- Encourage institutions to combat underrepresentation of women
- Recognize institutional commitment and best practices
- Collect a benchmarking dataset from all grant applicants



IWISE Working Group Meeting 2015

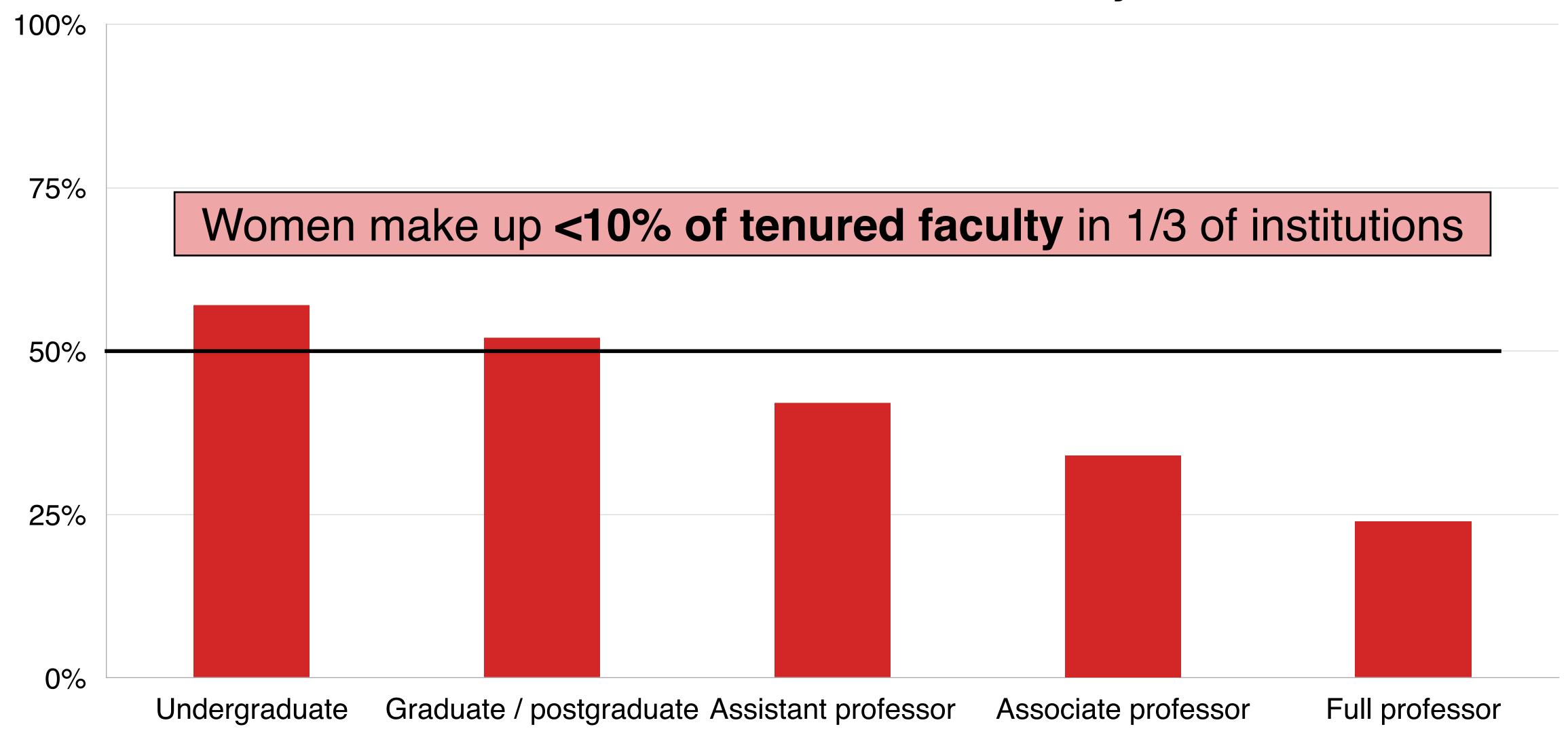
Data collected across 541 institutions in 38 countries over 4 years

Beeler, W., et al., Cell Stem Cell 2019



Gender Imbalance at the Top: The Leaky Pipeline Persists

541 institutions in 38 countries over 4 years





Events & Communications

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Goals:

- Democratize access to science education; seed research pipeline
- Career development for scientists
- Enable public discussions and engagement on cutting-edge science
- Signal organizational commitment



NYSCF Academy for Science and Society

Democratizing access to science education for students of all ages

Summer Internship Program

Work-study (long-term) Internship Program

Stem Cell Research Immersive Experience for High School Students

Young Student Education: virtual and in-person tours

Family Stem Cell Day

Partners:















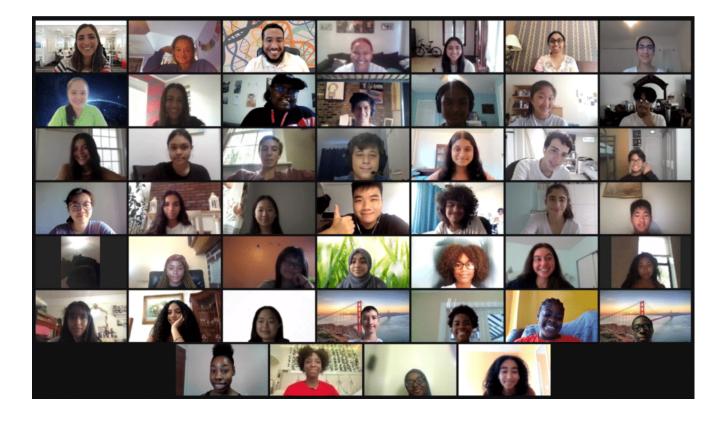
NYSCF Education and Outreach

Through 34 events, we reached >4500 people in 58 countries during pandemic

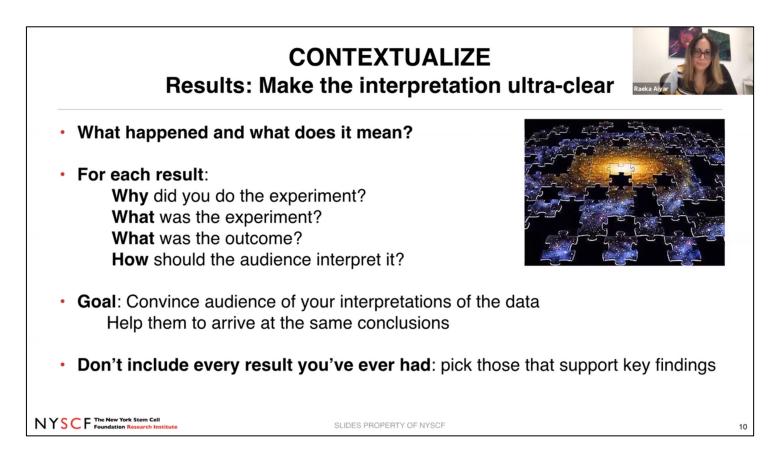
Education for students, teachers, parents







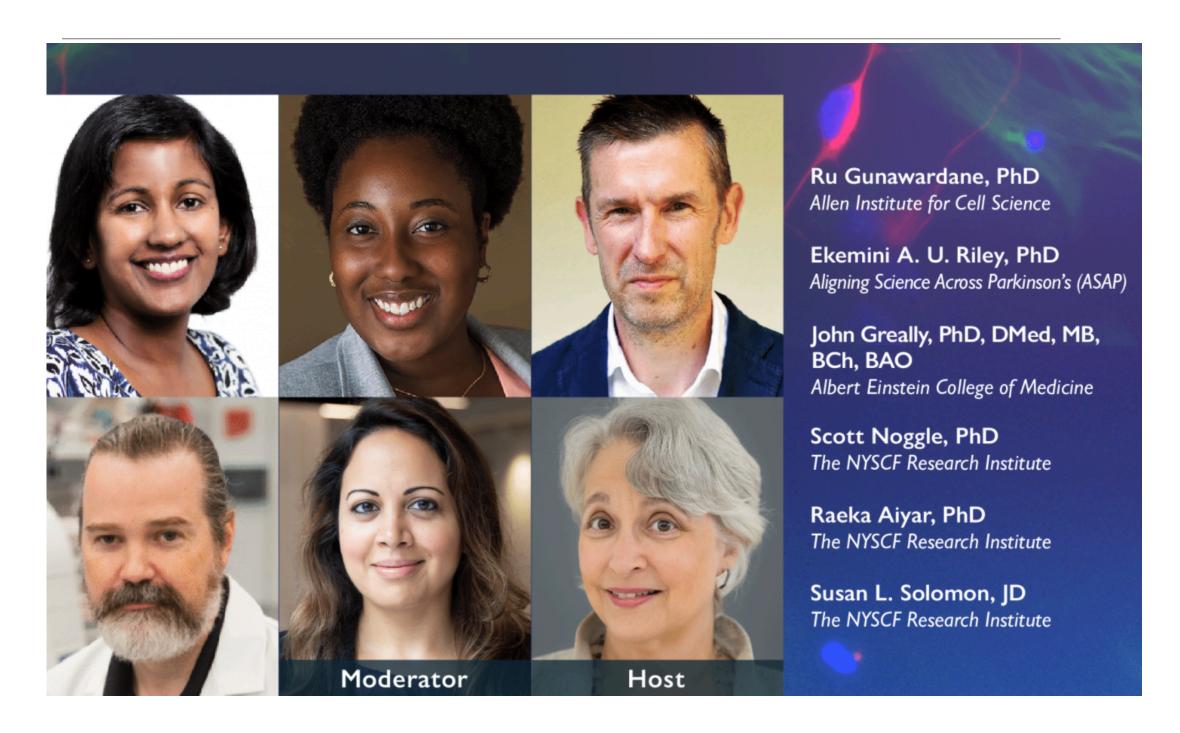
Career development for scientific community



Public awareness via lay-friendly expert panels



Fostering Discourse: Spotlighting DEIB in NYSCF Events

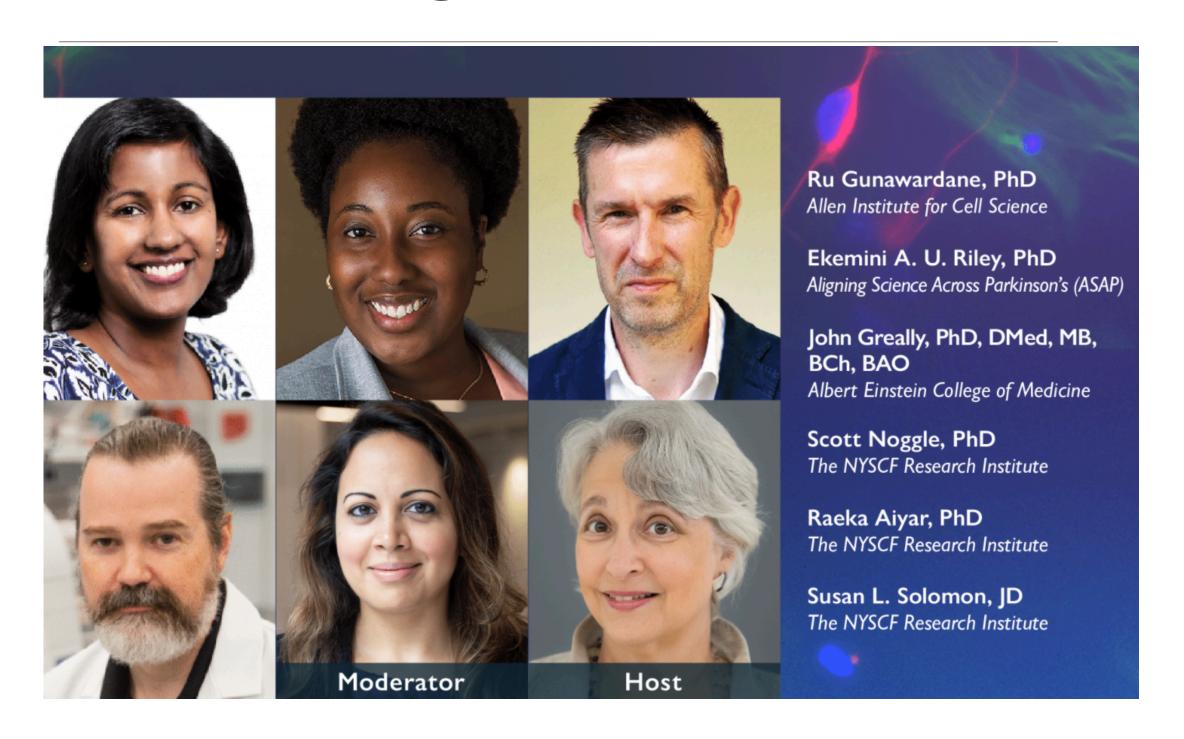


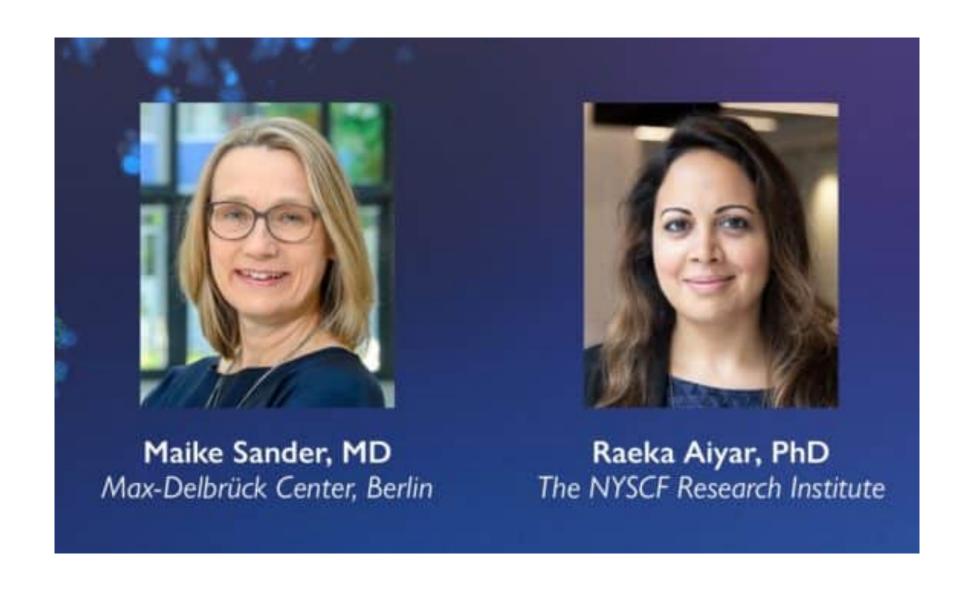
Diversifying Stem Cell Biobanks: Towards Inclusive Precision Medicine and Health Equity

April 2022



Fostering Discourse: Spotlighting DEIB in NYSCF Events





Diversifying Stem Cell Biobanks: Towards Inclusive Precision Medicine and Health Equity

April 2022

The Road to Equity in Science: Reflections for Women's History Month

March 17, 2023

Upcoming EDI in action webinars with ISSCR (March 28,30):

www.isscr.org/upcoming-programs/edi

nyscf.org/events
youtube.org/nyscf



Annual DEIB-focused discussions at conference

2020: Overcoming racial health disparities



2021: Fostering DEIB in the STEM community



2022: Mentorship, Inclusive Environments



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Goals:

- Diversify applicant & awardee pools
- Generate benchmarking data
- Elevate minoritized candidates
- Reward DEIB advocacy
- Reduce bias & integrate DEIB values into review process
- Advance values of DEIB in community we are building



NYSCF Extramural Grant Programs

NYSCF – Druckenmiller Fellowships

- 3-year fellowships for postdocs in NY/NJ/CT
- Stipend plus computer/travel

NYSCF – Robertson Investigator Awards

- \$1.5M in flexible funding over 5 years
- Junior Pls worldwide in stem cells / neuroscience



Global community of >200 collaborating 'best-in-class' scientists



Strategies for advancing DEIB in grantmaking

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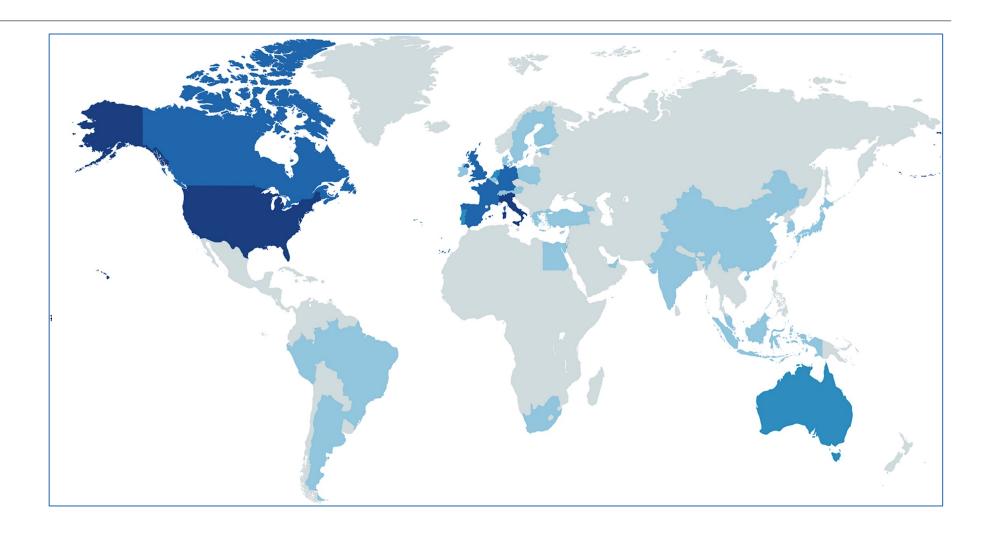
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- Recent
 - Increased geographic outreach
 - Applicant self-identification
 - Mandatory commitment to DEIB statement
 - Implicit bias training of reviewers
 - Eliminating PI reference letters



Geographically diversifying applicants

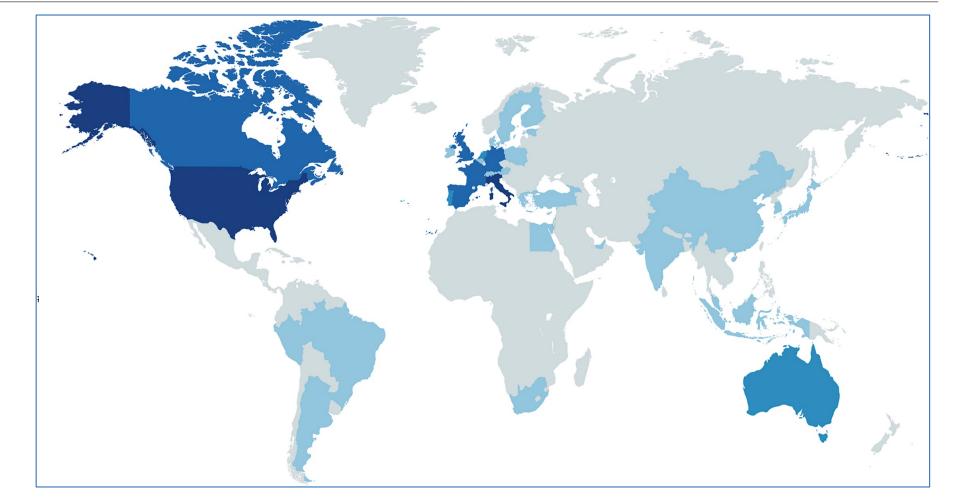




Geographically diversifying applicants

• Methods:

- Increased social media outreach
- Dedicated outreach to:

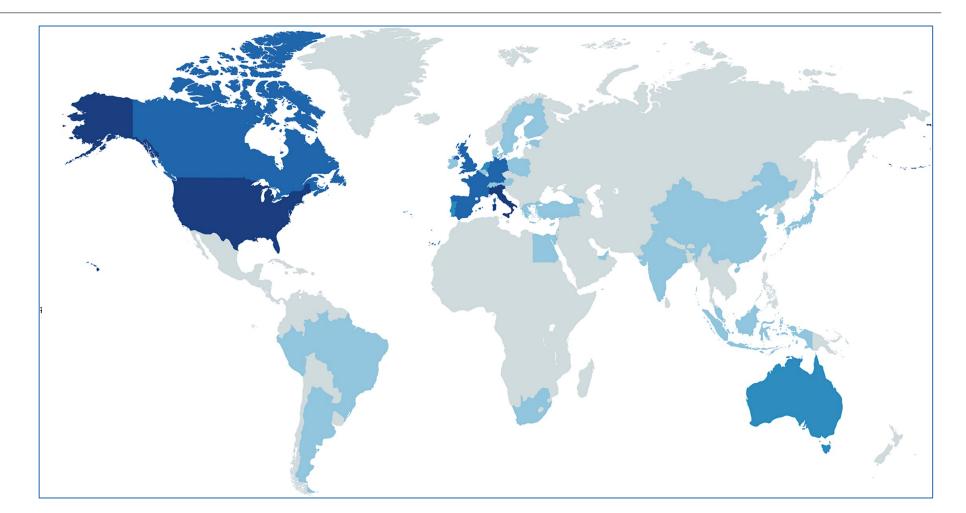


- Stem cell / regenerative medicine institutes, organizations, departments
- Stem cell / regenerative medicine focused events and conferences (attendee lists or event coordinators and asked to share to attendee lists)

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- New countries reached since outreach began: Malaysia, Hungary, Belgium, Norway



Recent Application Elements to Advance DEIB

Accounting for Hardship

Self-Identification statement (optional)

Applicants may identify as part of (any) minoritized group, explain how identity may have affected their careers

Reviewers use this information when evaluating track record

Yes/No + Text Box



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Rewarding Advocacy

Commitment to DEIB Statement

(mandatory)

Applicants detail past, present, planned* activities to advance DEIB in labs/ institutes/community

Used to tier applicants and their progression through review process

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Tier A: Advocate

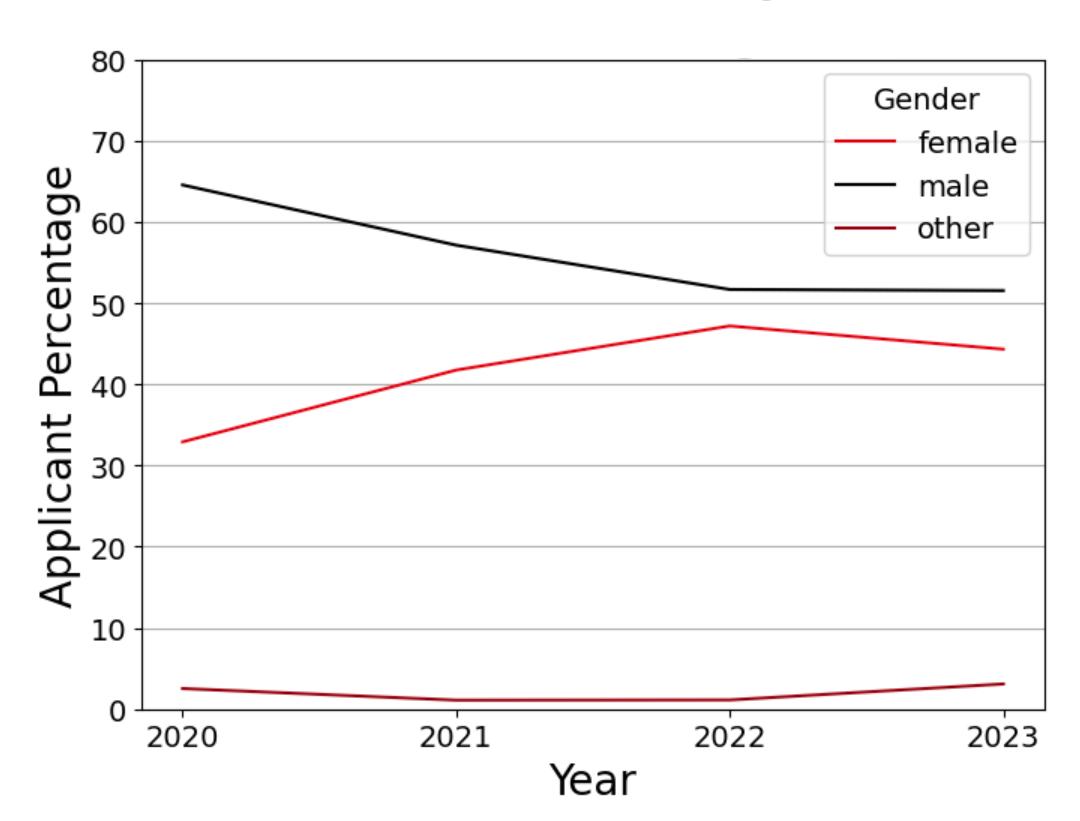
Tier B: Sympathizer

Tier C: Non-participant



Minoritized applicants increasing over time NYSCF - Robertson Stem Cell Investigators

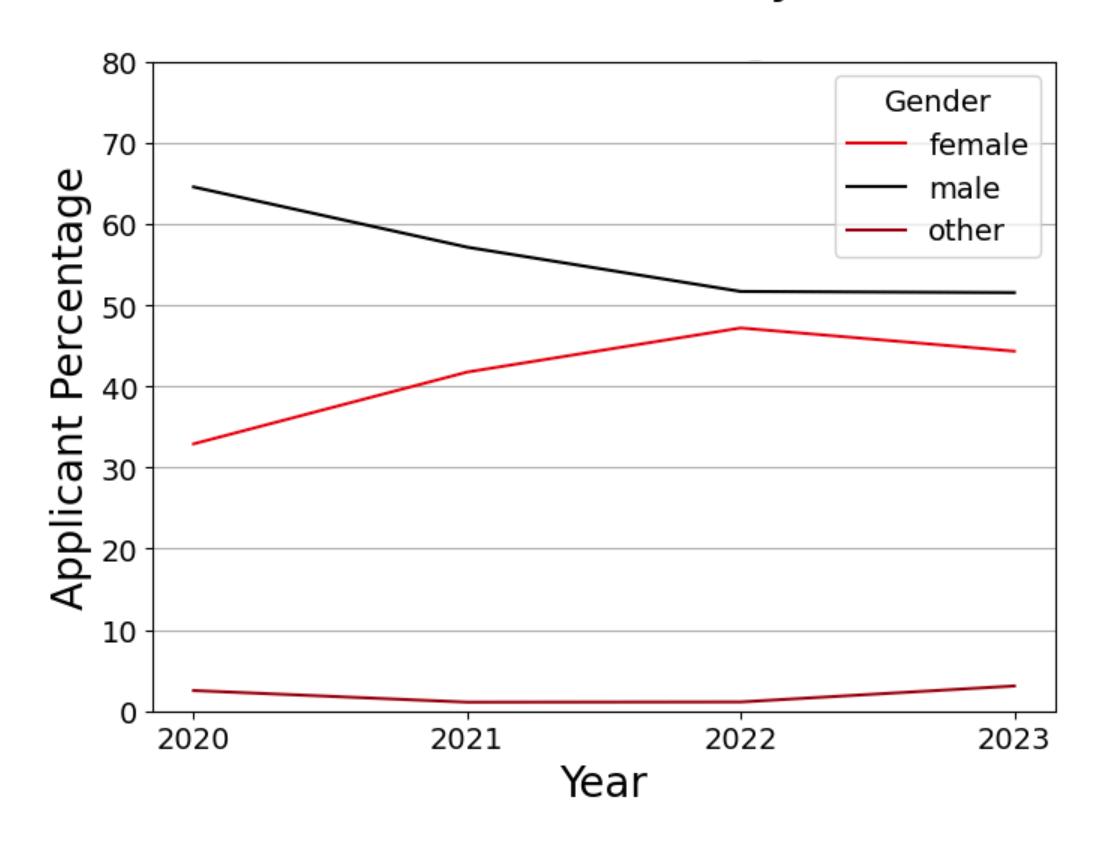
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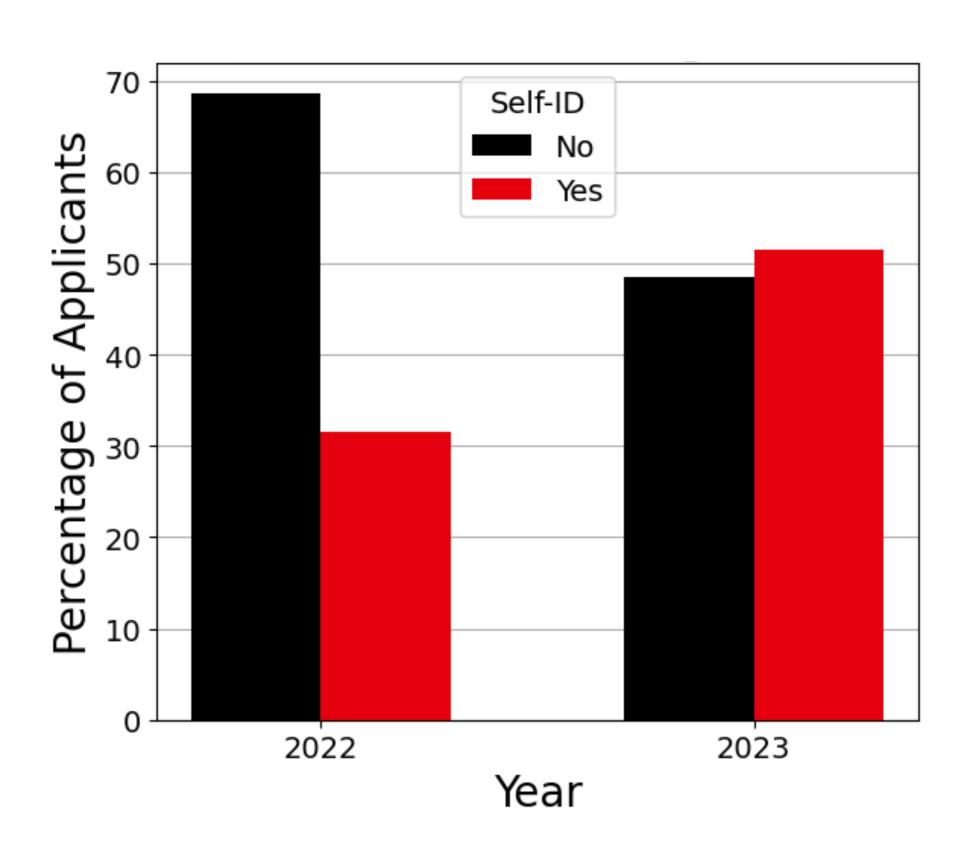


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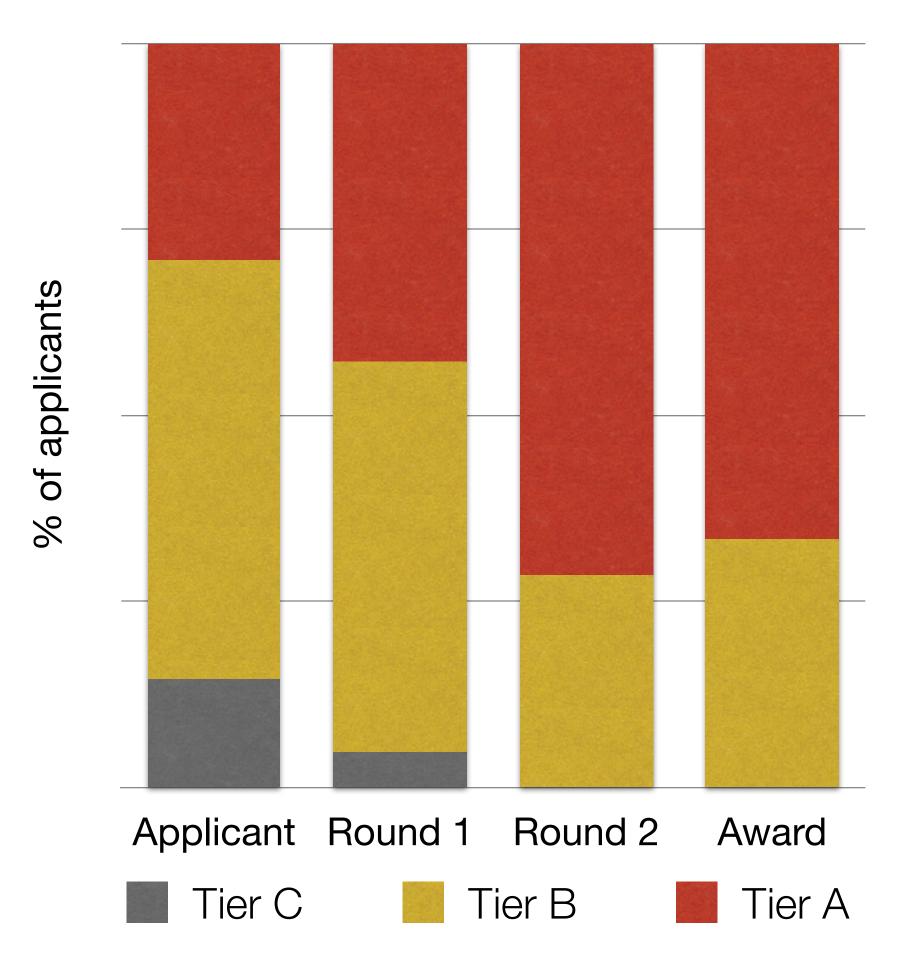
Self-Identification:



Elevating minoritized & DEIB-committed applicants

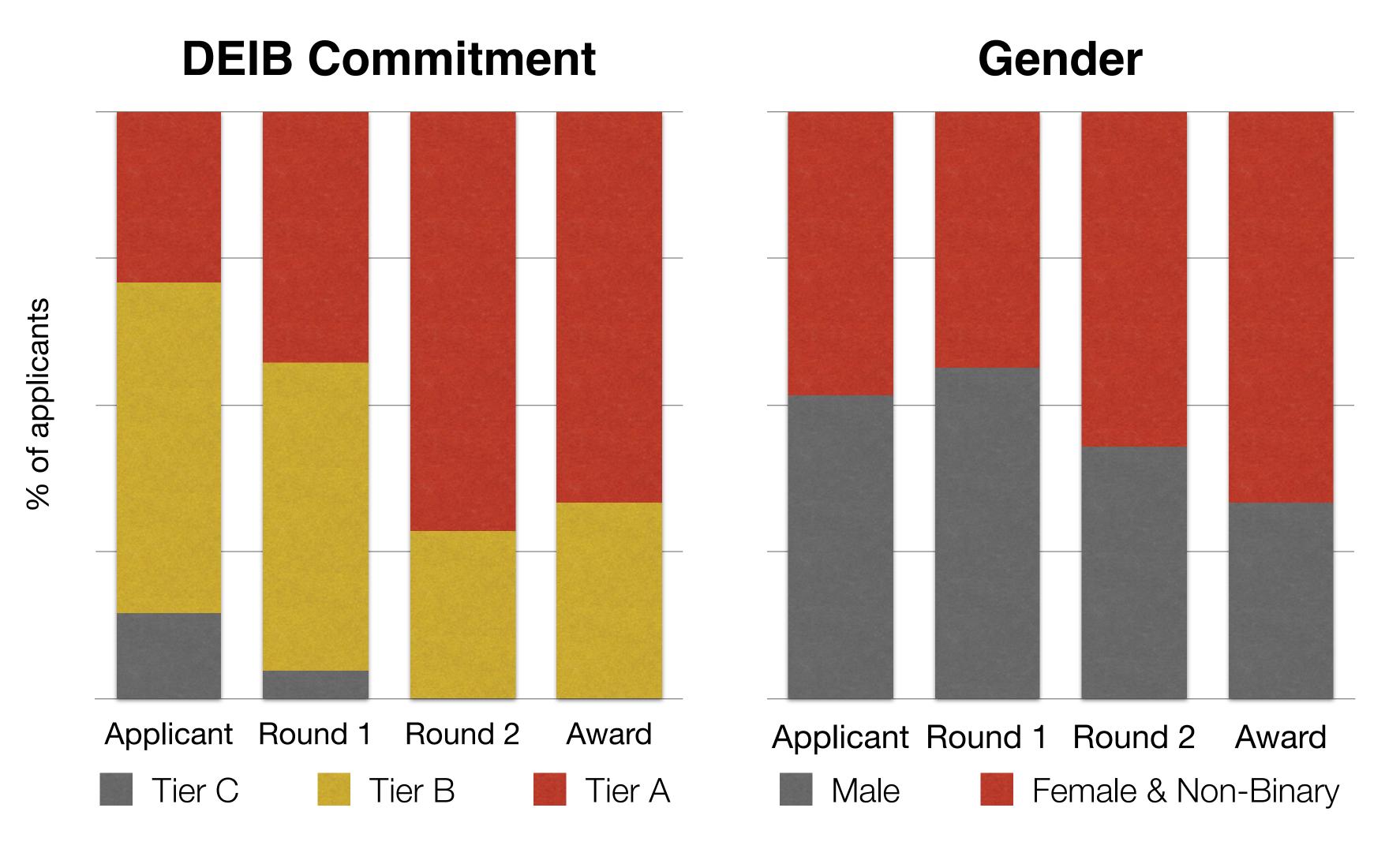
2022 NYSCF – Robertson Stem Cell Investigators

DEIB Commitment



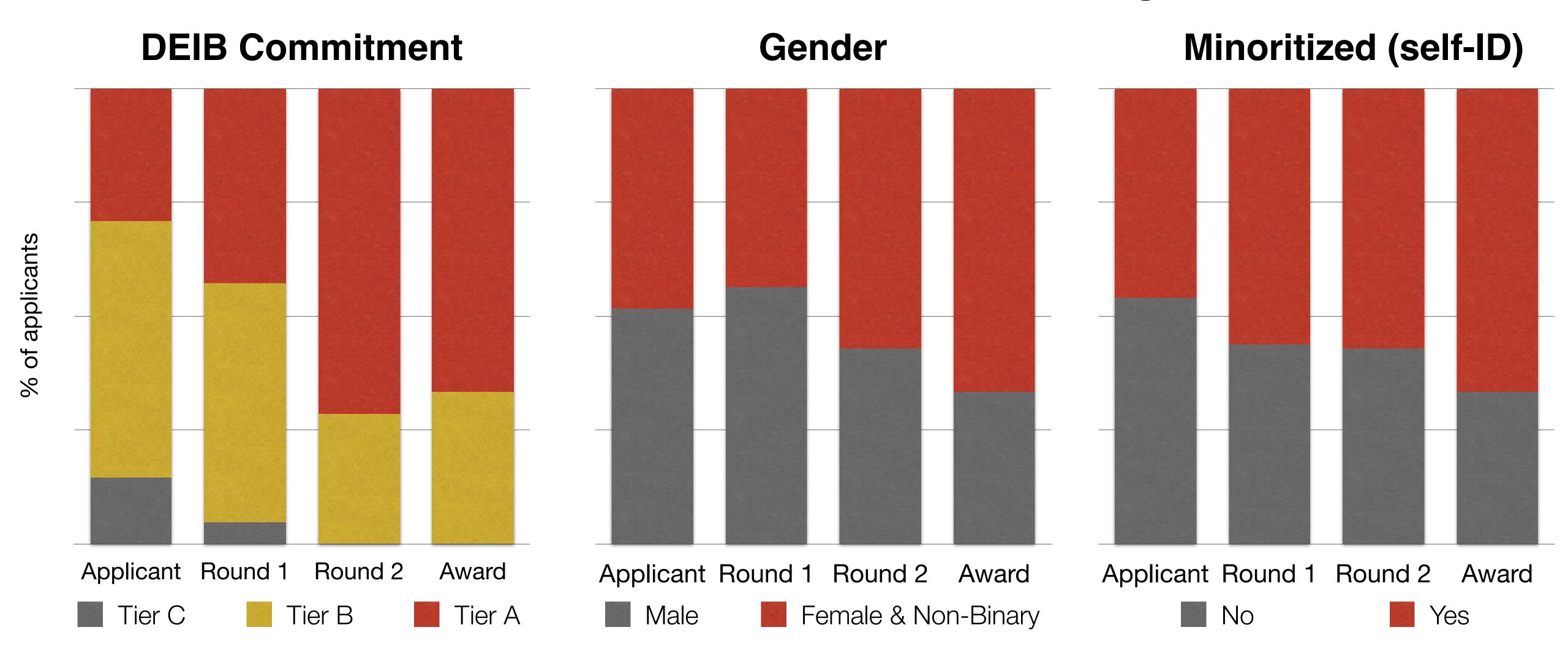
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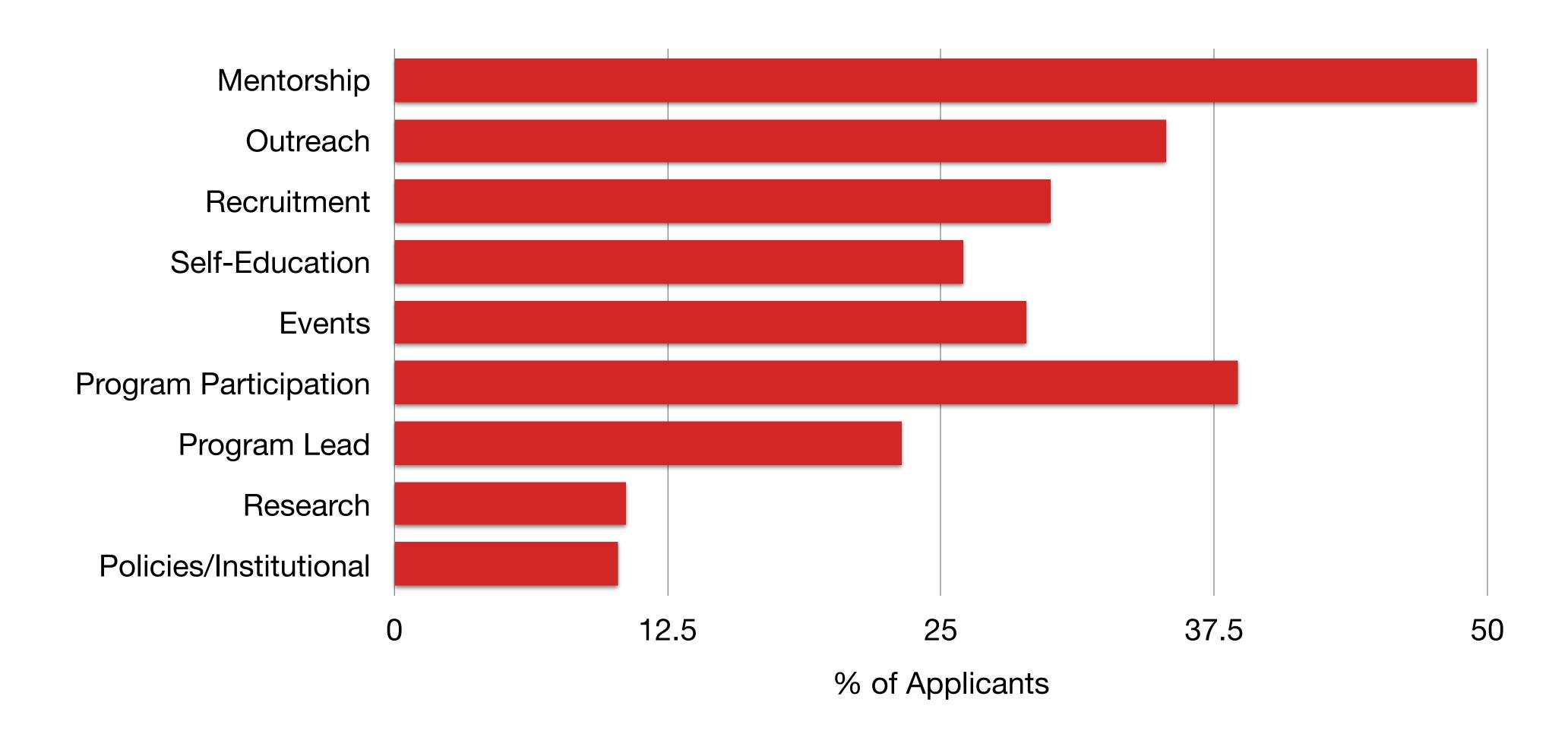


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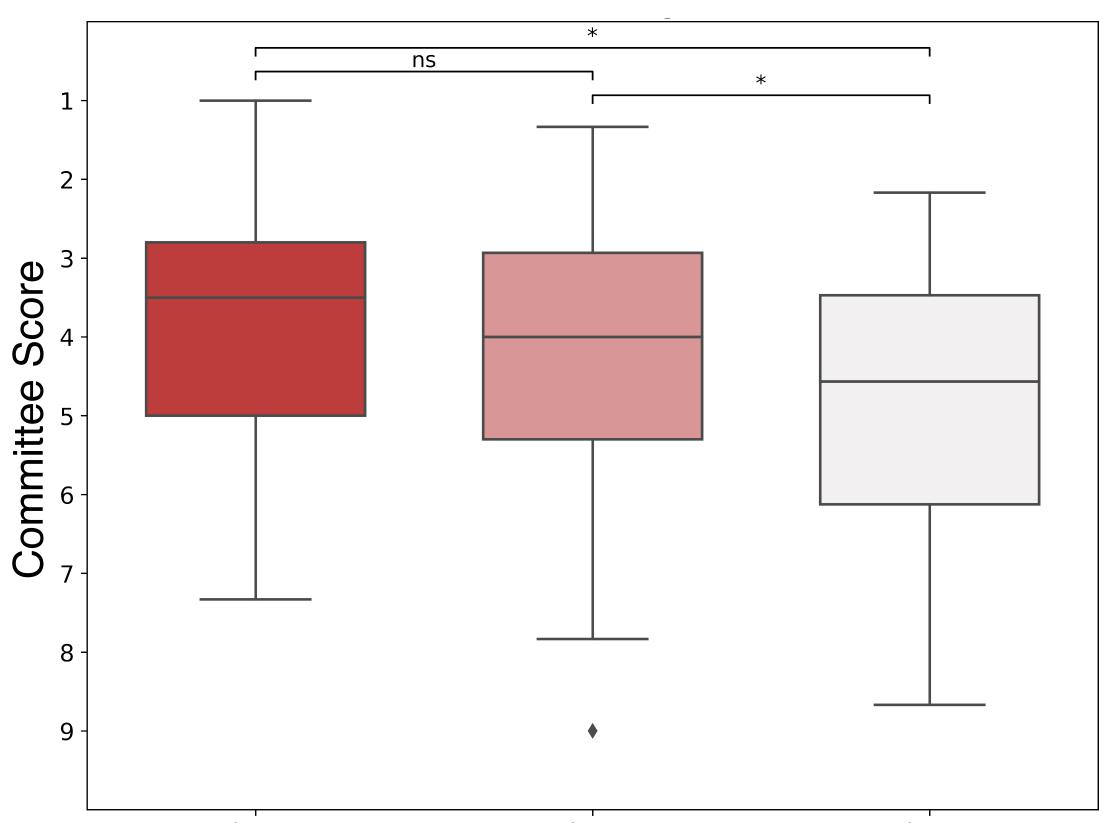
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Commitment to DEIB: Activity Types

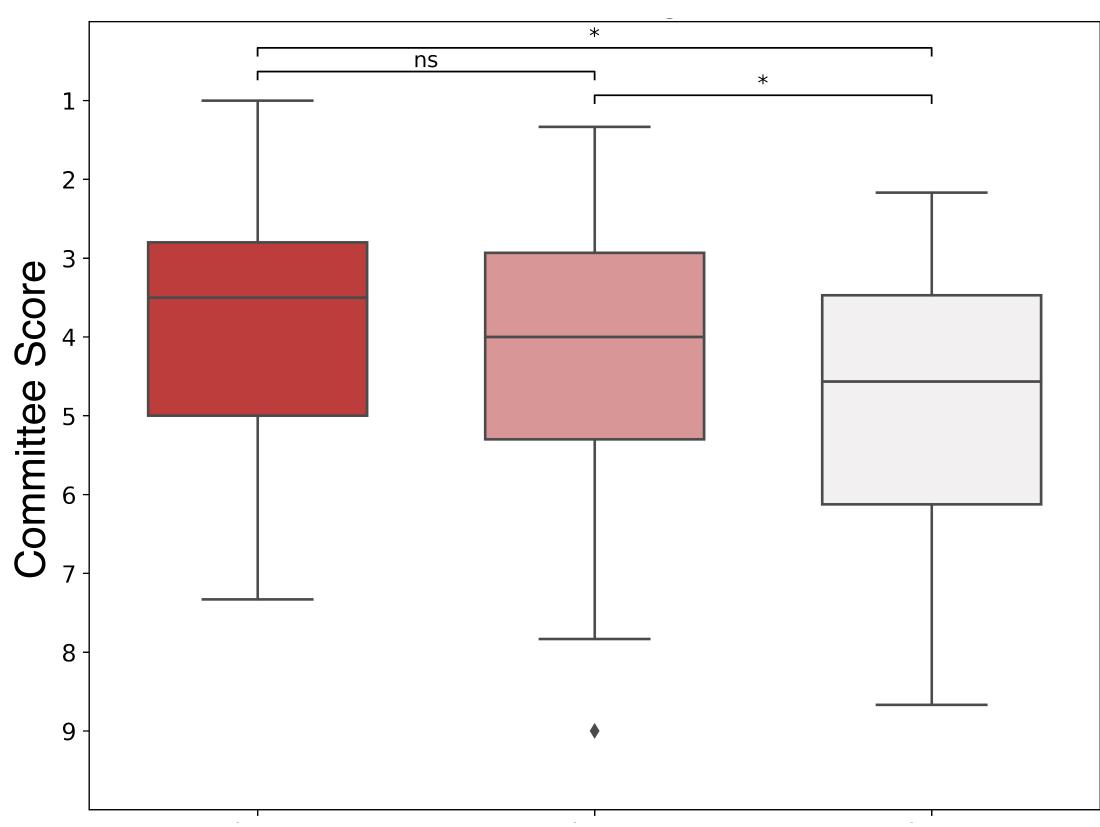






Tier A: Advocate Tier B: Sympathizer Tier C: Non-participant

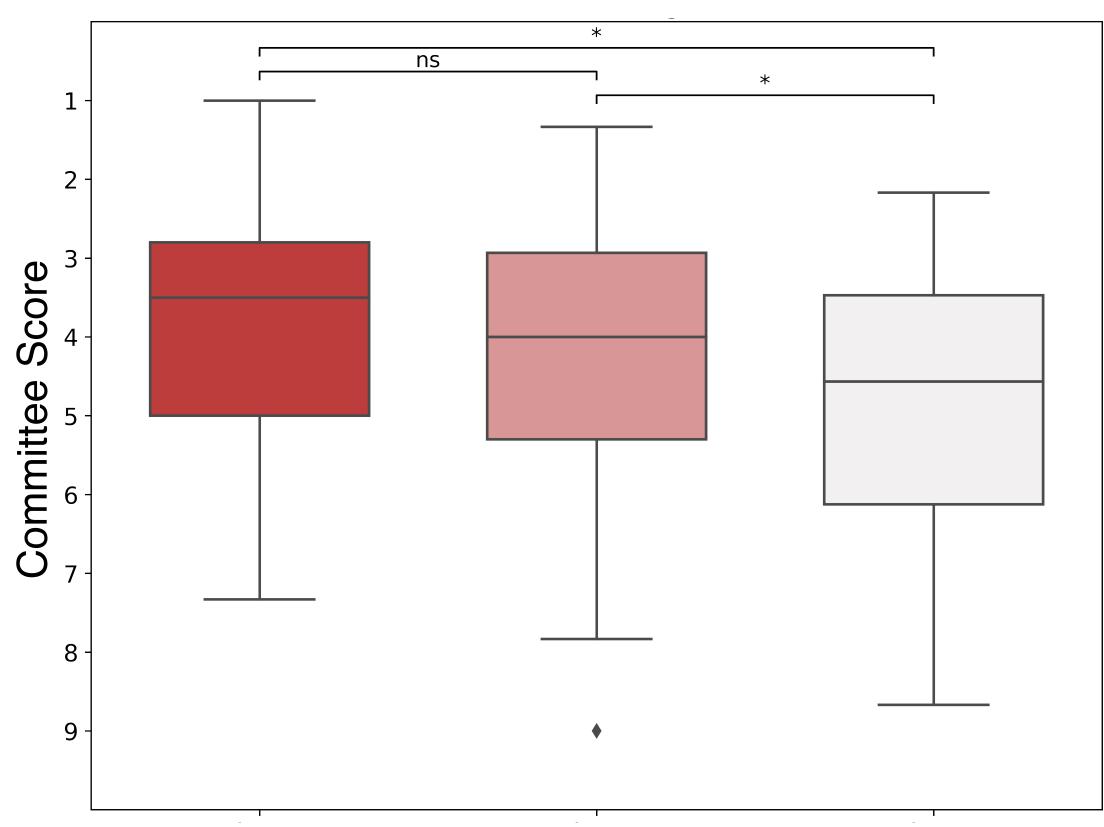




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Enthusiastic integration of DEIB elements by reviewers

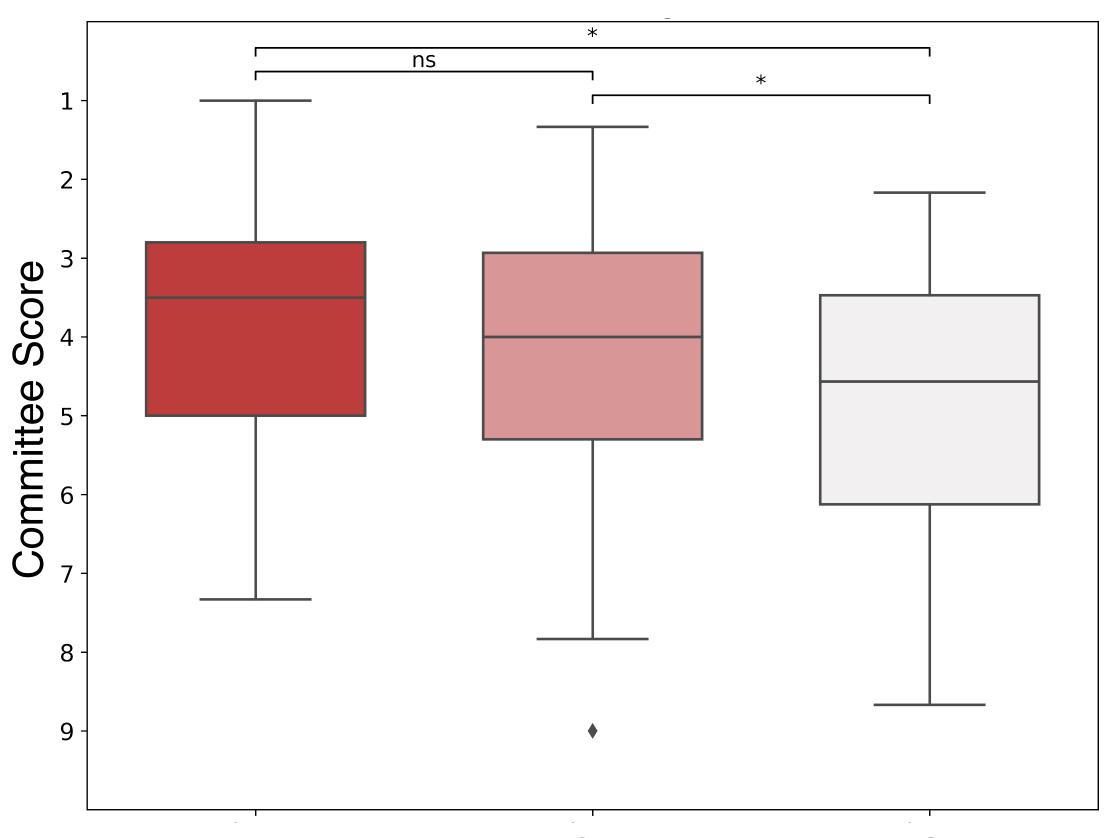




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- No tier C applicants received the award in 2022





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"The best scientists are those who value diversity."

- Leslie Vosshall (HHMI / Rockefeller)





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- Advancing DEIB is part of scientists' responsibility & contribution -> working towards a best practices manuscript to help scientists get started
- Advancing DEIB in the community means supporting all minoritized scientists who face discrimination and undue hardships

Acknowledgements

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Engineers

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Computational Biology

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& Data Science: Jeff Winchell

Functional Genomics

NeuArray

Diabetes

MS & Alzheimer's

Oncology

Immunology

Parkinson's

GMP & Cell Therapy

Investigator grants: <u>nyscf.org/stemcellaward</u>
Annual Conference October 2023: <u>nyscf.org/conference</u>