

The American Association for the Advancement of Science (AAAS)

Journals



Mission:

"advance science, engineering, and innovation throughout the world for the benefit of all people."

Diversity, Equity & Inclusion

- Entry Point
- SEA Change
- IF/THEN Ambassadors
- L'Oréal USA Fellowships For Women in Science

For More Information

- AAAS Website - <https://www.aaas.org/>
- Science Careers - <https://www.sciencejobs.org/>



Emerging Researchers National Conference in STEM (ERN)



- **Registration opens:** August 2022 check <https://emerging-researchers.org/>
- **2023 ERN Conference targeted** for Feb/March 2023

- **Funder:** NSF HBCU-UP
<https://beta.nsf.gov/funding/opportunities/historically-black-colleges-and-universities-undergraduate-program-hbcu>
- **Goals/Objectives:**
 - Prepare a diverse cadre of students for global careers in STEM
 - Hone science communication skills
- **Conference Activities:**
 - Undergraduate & graduate STEM research presentations
 - Professional development workshops
 - Educational and career fair
 - Plenaries with STEM luminaries

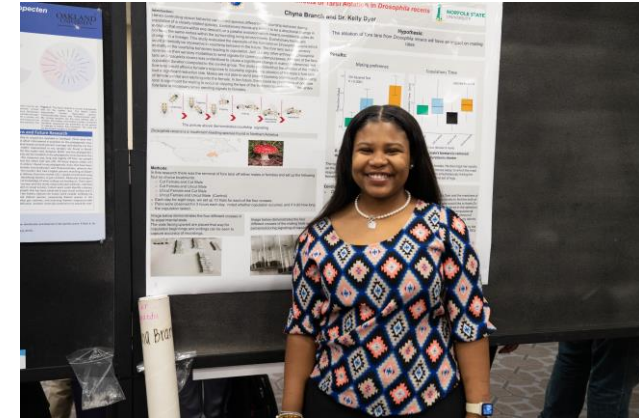
ERN Conference Activities



Education & Career Fair

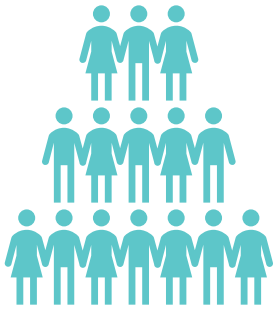


Student & Faculty Professional Development Workshops



Student Oral & Poster Research Presentation Competition

ERN Engagement & Impact: 2011 - 2021



> 10,000 Attendees
>80% URM in STEM



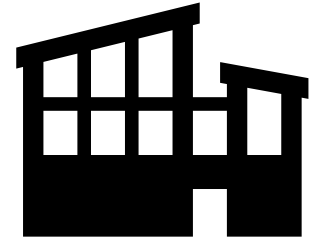
> 7,000 Students



> 5,000 Presentations



> 3,000 Student Travel
Awards



~ 230 Institutions

AAAS ERN Project Team



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STEM Program
Director, NSF PI



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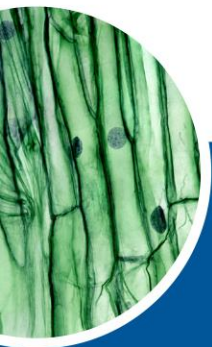


Dr. Sharon Kennedy
Colgate-Palmolive

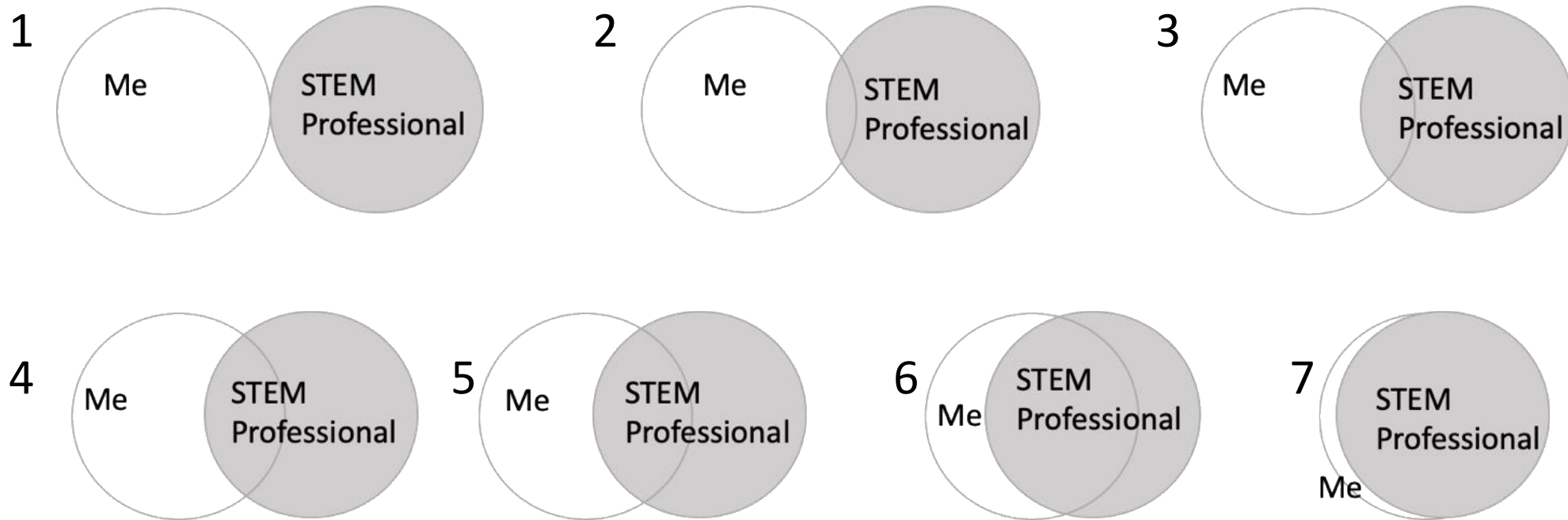


2020 ERN Conference External Evaluation Data – Student Science Identity

May 2022



In 2020, pre/post survey responses indicate improved perceptions of science identity for student participants. The question used the following graphic to allow participants to show how they see themselves in relation to being a scientist/STEM professional.



The first graphic was labeled 1 and the last graphic was labeled 7.

The pretest scores had a mean of 4.46 (n = 176) and the posttest had a mean score of 4.919 (n = 68).

Student Perceptions Data

The ERN Conference generated evidence using matched pre to post-test data that showed either statistical significance and/or impactful effect size for items in each measured psychometric of interest.

- Student sense of belonging/community
- Student self-confidence
- Student self-efficacy in STEM
- Student persistence/resilience in STEM

Students in STEM with Disabilities Meeting

Participants who manage programs for students with disabilities, and students with disabilities, were invited to a special half-day convening, designed to share resources and opportunities to support students with disabilities, to discuss the national landscape regarding successful implementation of targeted programs, and to discuss new areas of research that advance the body of knowledge regarding supporting students in STEM with disabilities.



Student Participant Quotes

- There is so much intrinsic knowledge I learned that I can't describe it
- I feel as though I may have found a career path; Great to see such diversity
- I learned a lot about maintenance of passion in STEM
- I learned that there are so many different ways in which you can use a STEM career and there are so many people who are rooting for you, even if you do not know who they are.
- I learned that your path as a scientist does not have to be traditional
- Science is beautiful at its core. It gave me hope. Thank you



Engage With Us

- For more info on the ERN Conference visit - <https://emerging-researchers.org/>
- Follow us on social media:
 - Twitter - <https://twitter.com/ERNConference>
 - LinkedIn - <https://www.linkedin.com/company/emerging-researchers-national-conference-ern/?viewAsMember=true>