



National Academies of Sciences, Engineering, and Medicine Professional Societies - Shifting Cultures - Supporting Black Students through their SEM Career Journeys

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Inclusive STEMM Ecosystems for Equity & Diversity (ISEED)
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The American Association for the Advancement of Science (AAAS)

Journal

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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/>



PROGRAMS & INITIATIVES



Emerging Researchers National Conference in STEM (ERN)



- Award: NSF HBCU-UP
- Goals/Objectives:
 - Prepare a diverse cadre of students for global careers in STEM
 - Hone science communication skills
 - Provide a platform for PD and networking
 - Support community, science identity, and sense of belonging in STEM

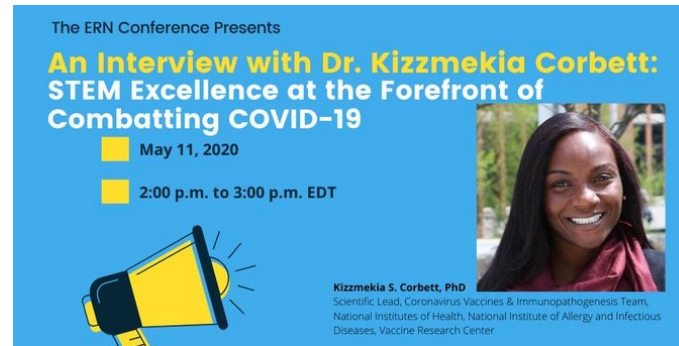
- **Registration opens:** August 2022 check <https://emerging-researchers.org/>
- **2023 ERN Conference targeted** for Feb/March

- Twitter - <https://twitter.com/ERNConference>
- LinkedIn - <https://www.linkedin.com/company/emerging-researchers-national-conference-ern/?viewAsMember=true>

ERN Conference Activities



Education & Career Fair



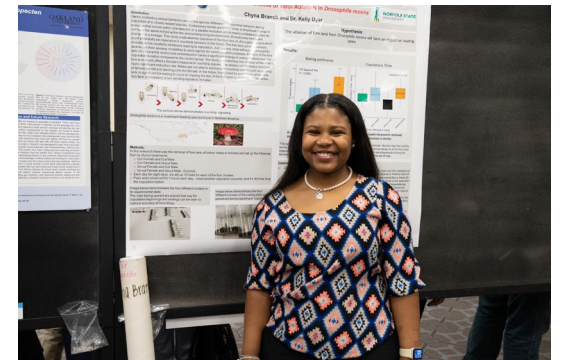
Community Building & Sense of Belonging



Student Oral & Poster Research Presentation Competition



Student & Faculty Professional Development Workshops



External Advisory Board



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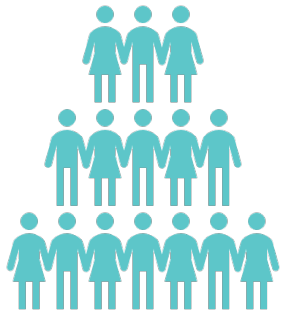


Dr. Carol Davis
Tribal Nations Research Group



Dr. Sharon Kennedy
Colgate-Palmolive

ERN Engagement & Impact: 2011 - 2020



> 10,000 Attendees
>80% URM in STEM



> 7,000 Students



> 5,000 Presentations



> 3,000 Student Travel
Awards



~ 230 Institutions

INNOVATE

RESEARCH

TRANSFORM



Enhancing HBCU Making and Innovation Capacity via an Inclusive Community of Practice

- Support HBCU students and faculty in making, innovation, entrepreneurship and invention efforts
 - AAAS HBCU Making & Innovation Showcase
 - Year-Long Virtual Monthly Engagements
 - E-Mentoring & Coaching
 - HBCU Making & Innovation Resources Toolkit
- HBCU-UP NSF Grant No. 2037362
- Website - <https://iie.aaas.org/about-aaas>



AAAS HBCU Making & Innovation Twitter: @AAASMaker
<https://twitter.com/aaasmaker>

AAAS HBCU Making & Innovation LinkedIn Page:
<https://www.linkedin.com/groups/8954208/>

Advisory Board



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Founder, CEO Wearable Tech
Ventures



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Founding Director of the Center
for Strategic Entrepreneurship
Coppin State University



Joyce Ward
Director, Office of Education,
USPTO

Impact and Engagement

2020 Innovation Showcase



2021 Showcase Cohort



2022 Showcase Cohort



- 241 HBCU students (125 male, 116 female)
- 83 HBCU faculty
- 32 HBCUs
- 12 of the 17 UNSDGs addressed
- Over 75 PD, mentoring and coaching sessions convened

Access to STEM Luminaries



ORGANIZATIONAL DEI EFFORTS

Public Facing DEI Efforts

SEA Change



SEA Change - See change with STEM Equity Achievement



AAAS CEO Statement on #ShutDownSTEM and Black Lives Matter



9 June 2020
by: Sudip Parikh



HOME | NEWS

Emerging Researchers Program Unites Underrepresented Students with STEM Leaders



21 May 2020
by: Andrea Korte



A View From My Basement

AAAS CEO Reflects on His First 6 Months on the Job



26 June 2020
by: Sudip Parikh





Nurturing Diversity, Equity and Inclusion in the Scientific Enterprise



2021 REPORT

How We Do It

Three Tracks to Drive Progress

DEMOGRAPHIC REPORTING & ACCOUNTABILITY (MIRROR)



AAAS/*Science* collection of data on demographic representation in our functions that enable success and advancement in science and engineering

AAAS ADVOCACY & PROGRAMS (EXTERNAL)



AAAS/*Science* programs, initiatives and advocacy to increase diversity, equity and inclusion in science and engineering and address systemic challenges throughout the scientific enterprise

AAAS DEI ACTIONS (INTERNAL)



AAAS/*Science* actions to ensure diversity, equity and inclusion within the organization

AAAS | ANNUAL MEETING

2023 SESSION PROPOSALS

SCIENCE FOR HUMANITY

AAAS | ANNUAL MEETING