Diverse Pathways in STEM:
Achieving the Dream

AGEP National Research Meeting

Coeur d'Alene, Idaho • May 19-21, 2019

Pacific Northwest **COSMOS**

University *of* **Idaho**

UNIVERSITY OF MONTANA

MONTANA STATE UNIVERSITY

WASHINGTON STATE UNIVERSITY

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AGEP California HSI Alliance Model

The AGEP California Hispanic Serving Institutions (HSI) Alliance to Increase Underrepresented Minority Faculty in STEM

University of California, Santa Barbara, University of California, Merced, California State University, Channel Islands, and California State University, Fresno

Principal Investigators: Mary Hegarty, Christopher Kelly, James Marshall, Blake Gillespie, Carol Genetti, Ann Charity-Hudley, David Sherman, Carlos Nash, Marjorie Zatz, Christopher Meyer, Cynthia Flores, Ahmed Awad

AGEP North Carolina Alliance Model

AGEP North Carolina Alliance: An Institutional Transformation Model to Increase Minority STEM Doctoral Student and Faculty Success

North Carolina State University, North Carolina Agricultural and Technical State University, and University of North Carolina at Charlotte

Principal Investigators: Marcia Gumpertz, David Shafer, Maureen Grasso, Keith Schimmel, Abdellah Ahmidouch, John Kizito, Ajit Kelkar, Dean Campbell, Yvette Huet, Lisa Merriweather

AGEP Maryland State System Alliance Model

University of Maryland Baltimore County, University of Maryland College Park, University of Maryland at Baltimore, Salisbury University, and Towson University

The AGEP Alliance State System Model to Transform the Hiring Practices and Career Success of Tenure Track Historically Underrepresented Minority Faculty in Biomedical Sciences

Principal Investigators: Philip J. Rous, Renetta G. Tull, Janet C. Rutledge, Patrice McDermott, William R. LaCourse, Mary Ann Rankin, Gerald S Wilkinson, Hugh A Bruck, John Bertot, Gregory Ball, Bruce E. Jarrell, Roger J. Ward, James B. Kaper, Erin Golembewski, Natalie D. Eddington, Karen L. Olmstead, Chrys Egan, Jessica Clark, Michael S. Scott, and Clifton P. Griffin, Melanie Perreault, David A Vanko, Cynthia A Ghent

The AGEP Alliance State System Model to Transform the Hiring Practices and Career Success of Tenure Track Historically Underrepresented Minority Faculty in Biomedical Sciences
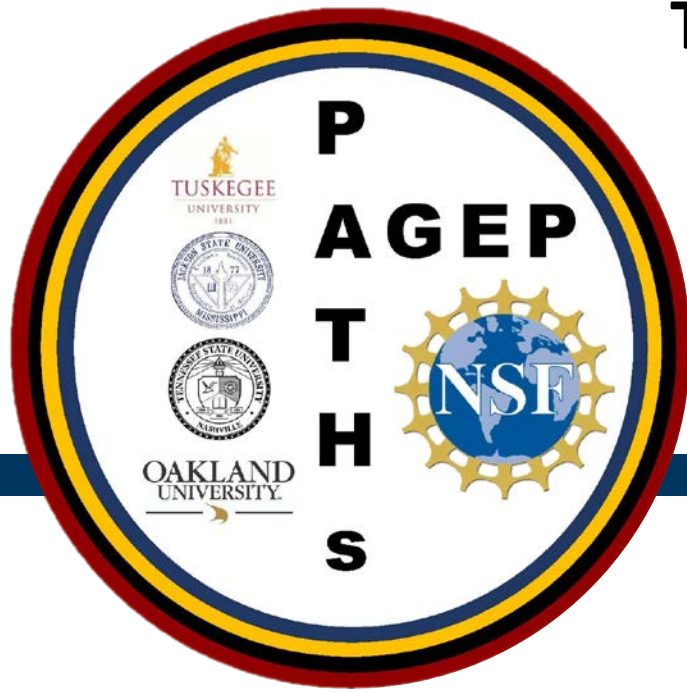
The PROMISE Academy

Salisbury UNIVERSITY   TU TOWSON UNIVERSITY   UNIVERSITY of MARYLAND BALTIMORE   UMBC AN HONORS UNIVERSITY   UNIVERSITY OF MARYLAND

AGEP Historically Black Universities Faculty Alliance Model

The AGEP Historically Black Universities Alliance: A Model to Advance Early Career Minority Faculty in the STEM Professoriate

Tuskegee University, Jackson State University, Tennessee State University, and Oakland University

Principal Investigators: Shaik Jeelani, Mohammed Qazi, and Martha Escobar

AGEP New York Alliance Model

An AGEP Alliance Model to Advance Underrepresented Minority STEM Faculty at Predominately Undergraduate Institutions (PUIs)

Stony Brook University, State University of New York (SUNY), SUNY College of Technology Farmingdale, and Suffolk Community College

Principal Investigators: David Ferguson, Kenneth White, Toni Sperzel, Bonita London-Thompson, Erwin Cabrera and Candice Foley

AGEP Engineering Alliance Model

The AGEP Engineering Alliance: A Model to Advance Historically Underrepresented Minority Postdoctoral Scholars and Early Career Faculty in Engineering

Georgia Institute of Technology, University of Colorado at Colorado Springs, Florida Agricultural and Mechanical University, and William Marsh Rice University

Principal Investigators: Comas Haynes, Sylvia Mendez, Valerie Conley, Clayton Clark, II, Cecil "Fred" Higgs, Illya Hicks

NSF INCLUDES

APLU and the Center for the Integration of Research, Teaching, and Learning (CIRTL)

- Deepen the preparation of all future, early-career and current STEM faculty to be inclusive and effective in their undergraduate teaching, research mentoring and advising;

- Diversify the national STEM faculty through effective recruitment, hiring, and retention of faculty who are members of underrepresented groups, via institutional transformation of practices, policies, and resources;

- Foster postsecondary institutional cultures that recognize and value inclusivity and diversity broadly, and in the context of STEM faculty work specifically.

CAHSI: Computing Alliance of Hispanic-Serving Institutions
The University of Texas at El Paso

- To increase the number of Hispanic students who enter the professoriate in computing areas, or enter the computing workforce with advanced degrees.
- To support the retention and advancement of Hispanic students and faculty in computing areas
- To develop and sustain competitive academic and research programs at HSIs.

West Virginia Higher Education Policy Commission (HEPC)

IGEN is a partnership of over 30 societies, institutions, organizations, corporations, and national laboratories poised to lead a paradigm shift in ***increasing the participation of underrepresented racial and ethnic minority students who enter graduate or doctorate level programs in the physical sciences***.

STEM Core Expansion

Saddleback College, University of Colorado Boulder, and Growth Sector

- Bringing students, including those who are underrepresented and underprepared, to a foundational skill level required for AS or BS degrees, and industry employment in STEM.
- A model for community colleges using a cohort-based, accelerated and contextualized math course sequence to move students from intermediate algebra to calculus-readiness in two semesters.

AGEP Alliance Models Co-Funded by NSF INCLUDES

- **AGEP Engineering Alliance Model**
  - Georgia Institute of Technology
  - University of Colorado at Colorado Springs
  - Florida Agricultural and Mechanical University
  - William Marsh Rice University
- **AGEP Maryland State System Alliance Model**
  - University of Maryland College Park
- **AGEP New York Alliance Model**
  - Stony Brook University, State University of New York (SUNY)
  - SUNY College of Technology Farmingdale
  - Suffolk Community College

Leslie Goodyear
Education Development Center
AGEP Evaluation Capacity Building
Conferences (AGEP ECBCs)

Sarah Hokanson and Bennett Goldberg
Boston University and Northwestern University
AGEP National Research Conference 2020: Sustaining,
Institutionalizing and Scaling AGEP Alliance Models and
Initiatives