



AAU Undergraduate STEM Education Initiative
STEM Network Conference
January 27-28, 2020

Location: FHI 360 Conference Center, 1825 Connecticut Ave NW 8th Floor, Washington, DC 20009

Monday, January 27

8:00 – 8:30 a.m.
8th Floor Foyer

Breakfast and Registration

8:30 – 9:00 a.m.
Academy Hall

Welcome, Introductions and Framing
Emily Miller, Associate Vice President for Policy, AAU

9:00 – 10:30 a.m.
Academy Hall

Creating Inclusive and Welcoming Classroom Environments Using Evidence-Based Teaching Strategies

Teaching strategies that emphasize structured active learning can create more equitable classrooms and improve learning for all students. Participants will engage in active learning exercises and case studies that model inclusive techniques and elicit equity in the classroom.

Facilitators: **Viji Sathy**, Teaching Associate Professor, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
Kelly Hogan, Associate Dean of Instructional Innovation and STEM Teaching Professor, Department of Biology, University of North Carolina at Chapel Hill

10:30 – 10:45 a.m.

Break

10:45 a.m. – 12:15 p.m.
Academy Hall

Data to Examine the Equity and Inclusion of STEM Courses

Sloan Equity and Inclusion in STEM Introductory Courses ([SEISMIC](#)) is a multi-institution and multi-year collaboration focused on equity and inclusion in large introductory STEM courses. Learn about this multifaceted collaboration that is engaged in parallel data analyses as well as coordinated experiments to examine STEM reforms. Discuss what data and information are critical to examine to ensure that an introductory STEM course is equitable and inclusive.

Facilitators: **Sehoya Cotner**, Associate Professor, Biology Teaching and Learning, University of Minnesota
Michael Dennin, Vice Provost for Teaching & Learning, University of California, Irvine
Dennis Groth, Vice Provost for Undergraduate Education, Indiana University
Becky Matz, Academic Specialist, Michigan State University
Timothy McKay, Arthur F. Thurnau Professor of Physics, Astronomy, and Education and Associate Dean for Undergraduate Education, University of Michigan
Marco Molinaro, Assistant Vice Provost for Educational Effectiveness, University of California, Davis

Monday, January 27

12:15 – 1:30 p.m.
8th Floor Foyer

Lunch

1:30 – 3:00 p.m.
Academy Hall

Practices to Document, Evaluate, and Reward Teaching Effectiveness

Universities are using various strategies to create an environment where the continuous improvement of teaching is valued, assessed, and rewarded at various stages of a faculty member's career and aligned across the department, college, and university levels. During this session participants will engage in discussions about various approaches to improve policy and practices related to the evaluation of faculty work and strategies to build buy-in for the implementation of these efforts.

Facilitators: **Andrea Follmer Greenhoot**, Director and Gault Teaching Scholar, Center for Teaching Excellence and Professor, Department of Psychology, University of Kansas
Ginger Clark, Associate Vice Provost for Academic and Faculty Affairs; Director, Center for Excellence in Teaching and Professor of Clinical Education, University of Southern California

3:00 – 3:30 p.m.

Break

3:30 – 4:45 p.m.
Academy Hall

Keynote Address

Introduction: **Mary Sue Coleman**, President, AAU
Speaker: **David Asai**, Senior Director for Science Education, HHMI

4:45 – 5:00 p.m.

Poster Set-Up

5:00 – 7:00 p.m.
8th Floor Foyer

AAU STEM Network Mini-grant Poster Session and Dinner

Hearty hors d'oeuvres will be provided. Cocktails, beer, and wine will be available.

Tuesday, January 28

8:30 – 9:00 a.m.
8th Floor Foyer

Breakfast

9:00 – 10:45 a.m.
*Academy Hall and
Breakout Rooms*

Un-conference Session

To be responsive to emergent topics, discussions, and collaborations, AAU is structuring an un-conference session block. During an un-conference the agenda is set by those who attend. AAU has learned member campuses have interest in discussing a number of areas. For example, HHMI ie3 proposals; AAU mini-grant campuses working on similar problems; redesigned general education curriculums and the relationship with STEM courses. As a network we will build a set of agenda topics during the poster session.

Facilitator: **Emily Miller**, Associate Vice President for Policy, AAU

Tuesday, January 28

10:45 – 11:00 a.m.

Break

11:00 a.m. – 12:15 p.m.

Academy Hall

AAU Public Opinion Polling Project

Last year AAU administered a first-of-its-kind national message survey on behalf of our members. This project was intended to produce insight for our members on issues crucial to their relationship with the public and policymakers. AAU is conducting ongoing national polling, message testing, and data analytics to gain insight on factors that influence opinions and how to frame the crucial work our institutions do. During this session participants will engage in a discussion around what do people really think about America's leading research universities.

Presenters: **Pedro Ribeiro**, Vice President for Communications, AAU

12:15 – 1:30 p.m.

8th Floor Foyer

Lunch

1:30 – 3:00 p.m.

Academy Hall

Collective Communication Plan Strategy

Participants will work to identify critical data and information that could be presented in the aggregate through various media (e.g. infographics, videos, tweets) that demonstrates the progress to improve undergraduate STEM education across the AAU membership.

Facilitators: **Pam Scott**, Associate Vice President, External Communications, University of Arizona
Leslie Minton, Associate Director of Media Relations, University of North Carolina at Chapel Hill

3:00 – 3:15 p.m.

Closing Remarks and Adjourn

The Association of American Universities extends its gratitude to the National Science Foundation and the Northrop Grumman Foundation for making this convening possible through their financial support.