

Revisiting the *Barrier and Opportunities* Study: Continued Efforts to Improve Pathways to Undergraduate STEM Degrees

Roundtable on Systemic Change in Undergraduate STEM Education

MONDAY, MAY 20, 2024

Purpose

- Explore work since the 2016 publication of *Barriers and Opportunities for 2-Year and 4-Year STEM Degrees: Systemic Change to Support Students' Diverse Pathways*
- Discuss transfer models, programs, and emerging research
- Hear from national experts on the ongoing rollout of changes to the Free Application for Federal Student Aid (FAFSA) and the lasting impacts on students pursuing undergraduate STEM degrees

OPEN SESSION

1:00–1:10 Welcome and Overview of Meeting

Ann Austin (Roundtable Co-Chair), *Michigan State University*

Mark Mitsui (Roundtable Co-Chair), *Portland Community College*

1:00–1:10 Overview of the *Barriers and Opportunities* Report

Amy Stephens, *Board on Science Education, National Academies of Sciences, Engineering, and Medicine*

1:20–2:20 Panel Discussion: Reflections on *Barriers and Opportunities* Report and Current State of Student Experiences Navigating STEM Degrees

Moderator: Susan Singer (Roundtable Member), *St. Olaf College*

Panelists:

Rajeev Darolia, *United States Department of Education (on leave from the University of Kentucky)*

Sylvia Hurtado, *University of California, Los Angeles*

Shirley Malcom, *American Association for the Advancement of Science*

Josh Wyner, *Aspen Institute*

2:20–3:20 Panel Discussion: Research on Transfer Students and Transfer Models

Moderator: Mark Mitsui (Roundtable Co-Chair), *Portland Community College*

Panelists:

Lois Miller, *University of Wisconsin—Madison*

Bruk Berhane, *Florida International University*

Davis Jenkins, *Columbia University*

3:20–3:35 **Break**

3:35–4:35 **Panel Discussion: Changes to FAFSA and their Implications for Pathways to Undergraduate STEM Degrees**

Moderator: **Susan Rundell Singer** (Roundtable Member), *St. Olaf College*

Panelists:

Liz Clark, *National Association of College and University Business Officers*

Justin Monk, *National Association of Independent Colleges and Universities*

Joseph Montgomery, *North Carolina Agricultural and Technical State University*

4:35–4:45 **Synthesis and Wrap-Up Remarks**

Ann Austin (Roundtable Co-Chair), *Michigan State University*

Mark Mitsui (Roundtable Co-Chair), *Portland Community College*

4:45 **ADJOURN OPEN SESSION**