



ASSOCIATION OF AMERICAN UNIVERSITIES

AGENDA

Wednesday, July 24, 2013

6:00 – 8:30 pm Welcome & Networking Dinner
Bobby Van's Grill
1201 New York Avenue, NW

Thursday, July 25, 2013

AAU STEM Initiative Workshop

AAU Office, 1200 New York Avenue, NW, Suite 550, Washington, DC 20005

8:30 – 9:00am **Breakfast**
AAU Conference Room A/B

9:00 – 9:45am **Welcome & Framing**
AAU Conference Room A/B

Welcome

John Vaughn, AAU Executive Vice President

AAU Undergraduate STEM Education Initiative: Momentum for Reform

Toby Smith, AAU Vice President Policy and AAU STEM Initiative co-PI, will provide an update on the status of the STEM Initiative and preview future initiative activities.

Workshop Objectives and Format

Emily Miller, AAU STEM Initiative Project Manager

10:00am – 10:45am **Small Group Campus Share**
Many AAU universities are serious about advancing efforts to improve undergraduate STEM teaching and learning. During this session each member of the group will introduce themselves briefly and will share about a current campus effort to reform undergraduate STEM education or the area on campus where they see the greatest need for reform. The focus is to discuss barriers (and alternatively facilitators) present on their campus to reform undergraduate

STEM education. The group will articulate at least one critical challenge and one critical facilitator to advancing undergraduate STEM reform and post these on large post-it pages.

See enclosed breakout session assignments and room locations.

10:45 – 11:00am

Morning Break

Read small group reflections.

11:00 -12:15pm

AAU Project Sites: Panel Presentation

AAU Conference Room A/B

A project leader from each of the eight selected AAU project sites will present the focus of their project.

12:15 - 1:45pm

Project Site Lunch Tables

A project leader from one of the eight selected AAU project sites will be at each table. Please sit at a table with a site where you see mutual interest or potential synergies with your campus. This will be a time for deeper questions and answers from a member of the project leadership team.

See enclosed project site lunch table locations.

1:45 – 5:00pm

Measuring Progress

AAU Conference Room A/B

1:45 – 2:00

Introduction and Framing

Jim Fairweather, Professor, Michigan State University
AAU STEM Initiative co-PI

2:00 – 3:00

What are the metrics?

AAU seeks your guidance to identify and develop a set of metrics that will allow individual institutions to document teaching practice, measure learning outcomes, and to assess factors that support sustained institutional change in STEM education.

- How are you currently measuring student progress and success in teaching and learning on your campus?
- How do you plan to evaluate/measure success of your campus project? How would you measure it for areas of interest where no activity is yet underway?
- What additional data would be helpful (classroom level, institutional-wide effects)?

- What are the challenges in developing the right metrics and collecting and using the data?

Each campus is asked to share their thoughts on metrics/measures as it pertains to assessing their own campus activities or areas of interest.

See enclosed breakout session assignments and room locations.

3:00 – 3:45

Break

4:00 – 5:00

Metrics and Evaluation Small Group Discussions

Each small group will focus on a layer of the AAU framework (pedagogy, scaffolding, and cultural change). For each category, what are the most useful metrics on your campus? What metrics would be less useful or too burdensome to collect? Are the same measures useful to those playing different roles on campus? What are potentially useful common measures across institutions?

1. Pedagogy
2. Faculty Scaffolding
3. Student Measures
4. Institutional Change
5. Common Baseline Measures

See enclosed breakout session assignments and room locations.

5:00

Light Reception at AAU

AAU Conference Room A/B

6:30 and 7:00pm

Dutch-Treat Dine-Around

AAU has made reservations at a selection of restaurants. If you are interested in joining a dine-around, please sign up prior to the last session at 4pm.

Friday, July 26, 2013

8:30-9:00 am

Breakfast

AAU Conference Room A/B

9:00 – 12 noon

AAU STEM Network

AAU Conference Room A/B

9:00 – 9:10 am

Welcome

Hunter Rawlings, AAU President

9:15 – 10:30 am

Small Group Discussion

In an effort to sustain the campus-based dialogues on systemic change in undergraduate STEM education that have already been generated by the Initiative, we wish to create an AAU STEM Network. Please respond to the concept paper and contribute additional ideas.

- What would make a network meaningful and valuable?
- How can the network help your campus overcome barriers/challenges and provide support mechanisms?
- What support can AAU provide through the network to help advance local institutional efforts?
- How can the AAU network support the sharing of information among members?

The AAU STEM project team will facilitate discussions and have a note-taker. Each group will consist of a mixture of participants who each hold different roles on their campus. Please identify three action steps to move the network forward and prepare to present at report out.

See enclosed breakout session assignments and room locations.

10:30 – 10:45 am

Break

10:45 – 12 noon

Small Group Report Out

AAU Conference Room A/B

Hunter Rawlings, AAU President, will moderate and summarize what he hears from groups as next steps for the AAU STEM Network.