

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION OF BEHAVIORAL AND SOCIAL SCIENCES AND EDUCATION
Board on Science Education
DIVISION ON EARTH AND LIFE STUDIES
Board on Life Sciences

Strengthening Research Experiences for Undergraduate STEM Students

Committee Meeting #3

November 19 & 20, 2015

Keck Room 101

500 Fifth St., N.W. Washington, DC 20001

Draft Agenda

OPEN SESSION 10:00 a.m. – 3:00 p.m.

10:00 a.m. Welcome

Jim Gentile, Study Chair

Panel on URE in Mathematical Sciences: Moderated by Linda Reinen

(moderators will keep us on schedule and facilitate questions and discussion)

10:05 a.m. Michael Wolf, Rice University

VIGRE (Vertical Integration of Research and Education)

Rice Emerging Scholars Program

10:10 a.m. Suzanne Weekes, Worcester Polytechnic University (via WebEx from Panama)

MSRI-UP (Mathematical Sciences Research Institute Undergraduate Program)

PIC Math (Preparation for Industrial Careers)

Center for Industrial Math and Statistics

REUs

10:15 a.m. Michael Dorff, Brigham Young University

CURM (Center for Undergraduate Research in Mathematics)

Faculty Development

PIC Math (Preparation for Industrial Careers)

10:20 a.m. Panel Discussion on UREs in Mathematical Sciences

10:40 a.m. Questions from the Committee

10:50 a.m. Questions from the Audience

Faculty Perspectives on Undergraduate Research: Moderated by Ralph Garruto

11:05 a.m. Sandra Laursen, University of Colorado-Boulder

Four college study

Research on faculty perspectives

Broader thoughts on UREs

11:25 a.m. Questions from the Committee

11:35 a.m. Questions from the Audience

11:45 a.m. **Working Lunch**

Faculty Perspectives on Undergraduate Research (continued):

Moderator: Ralph Garruto

12:30 p.m. **Tracy Johnson, University of California-Los Angeles**
Ariel Anbar, Arizona State University
Results of a Survey of members of the Society of HHMI Professors

12:50 p.m. Questions from the Committee

1:00 p.m. Questions from the Audience

Engineering Perspectives on UREs: Moderated by Melanie Cooper

1:10 p.m. **Lisa Benson, Clemson**
Undergraduate Students' Changing Understanding of Research in Engineering

1:20 p.m. **Ann Saterbak, Rice University (via WebEx from Texas)**
Laboratory Goals
Engineering Design
Faculty Mentoring

1:30 p.m. Questions from the Committee

1:40 p.m. Questions from the Audience

2:00 p.m. **Broader Discussion of Undergraduate Research Experiences:**
Moderated by Melanie Cooper

3:00 p.m. Break