NSF Workshop on The Undergraduate-Graduate Bridge Imperative

The long-term health of universities and research in the United States depends upon a steady flow of science, technology, engineering, and mathematics (STEM) students from undergraduate study, through graduate study, and eventually into research and the professoriate. The National Science Foundation (NSF) works to improve both undergraduate and graduate STEM training efforts, through funding for curricular improvement, support for research, and direct student support. This workshop is intended to examine how these efforts align – and how they could be further enhanced – to support student transitions from undergraduate to graduate STEM study.

EVENT: Participants will come together to share knowledge and approaches to undergraduate and graduate STEM education and how NSF can further align and realize synergies from these efforts. Discussion topics will include: preparing undergraduates as future STEM graduate scholars; holistic training of STEM graduate students; and opportunities and synergies across NSFs undergraduate and graduate efforts.

WHEN: Thursday, May 25, 2023, 11:00 am-4:00 pm Eastern time

PANELS AND CONFIRMED SPEAKERS:

- 11:15 AM EDT: Setting the Stage: New Challenges and Opportunities in the Graduate STEM Pipeline (Julie Posselt/USC, Alexandra Medina-Borja/NSF)
- 11:45 AM EDT Panel 1: Preparing Undergraduates as Future STEM Graduate Scholars (Steven P. Dandaneau/Colorado State, Wojtek Chodzko-Zajko/University of Illinois, Matt McCullough/North Carolina A&T, Mychal Smith/VCU)
- 1:30 PM EDT Panel 2: Holistic Training of STEM Graduate Students (Robert Mathieu/University of Wisconsin, Shinhan Shiu/ Michigan State University, Pamela Templer/Boston University, Chandana Mitra/Auburn University, Jasmine Crenshaw/University of Virginia)
- 2:45 PM EDT Panel 3: Opportunities and Synergies Across NSF’s Undergraduate and Graduate Efforts (Alex Rudolph/Cal Poly Pomona, Lauren Davis/NC A&T, Arash Esmaili Zaghi/UConn, Timothy Huber/UTRGV)

WHO SHOULD ATTEND: Anyone involved in or caring about the results of undergraduate and graduate STEM education, including university leadership, STEM faculty, graduate and undergraduate students, industry representatives, and stakeholders from non-governmental organizations.

WHERE: The workshop will be conducted virtually via Zoom. To participate fully you will need to have the Zoom app installed on your device. You can download the latest version for free here.

RSVP: Pre-registration is required for this event. The link to pre-register is here. A Zoom meeting link and password will be sent to you after your registration is confirmed.

MEETING LOGISTICS CONTACT: Dr. Brian Zuckerman (bzuckerm@ida.org)

AGENDA: A finalized agenda will be sent to all registrants prior to the workshop. The workshop will begin with introductions by NSF EDU leadership and an overview session, followed by three panels. Each panel will be followed by live chat and Q&A.

LOGISTICS: The IDA Science and Technology Policy Institute will be facilitating the meeting on NSF’s behalf. Portions of the meeting may be recorded. Participation in this session implies consent for NSF to capture your name, voice, and likeness, and anything you say may be recorded and transcribed for NSF use. Moderators will manage participation and remove disruptive participants if necessary.

For more details regarding this workshop, please contact Dr. Lee Zia (lzia@nsf.gov), or Charisse Carney-Nunes, JD/MPA (ccarney@nsf.gov)