Cultivating Science Identity for Underrepresented Students in Higher Education

Transforming STEM Education through ***Intersectional*** *&*
Inclusive Pedagogical Practices

The Social Context of Teaching & Learning

Dr. Bryan M. Dewsbury, Associate Professor of Biology, Univ. of Rhode Island; Principal Investigator, Science Education & Society

Dr. Dewsbury's research focuses on questions relating to identity constructs, bias, relationships, and the effects of those variables on student learning (from K-PhD). He is interested in helping re-frame the education discussion to better address questions of equity and community-building. His work addresses pressing issues such as student retention in STEM fields (especially in higher ed), the under-representation of minority groups in certain STEM fields, and the role of affect (instructor and student) in promoting student learning gains. He also uses the results of those efforts to help faculty develop inclusive curricula and sense of community in the classroom.

Engaging Intersectional Approaches Toward Equity in Science

Dr. Anne-Marie Nuñez, Professor of Higher Education & Student Affairs, Ohio State Univ.; Co-Principal Investigator, Fieldwork Inspiring Expanded Leadership and Diversity (FIELD) (NSF).

Dr. Nuñez's research explores how to broaden participation for historically underrepresented groups, including students and faculty, in postsecondary education. One line of her scholarship has focused on the higher education experiences and trajectories of Latino, first-generation, and migrant students. Another has emphasized institutional diversity in the United States, including the role of Hispanic-Serving Institutions in promoting college access and success. A third has focused on fostering supportive organizational climates for faculty and administrators to advance inclusivity in the academy.

Join the Environmental Science and Ecology (ESE) Department for presentations and a workshop with Dr. Nuñez and Dr. Dewsbury exploring the cultivation of science identity for underrepresented graduate students in STEM disciplines through inclusive pedagogical practices and professional career experiences.

WHEN: THURSDAY, DECEMBER 10, 2020
WHERE: VIRTUAL (ZOOM*)

10:30 am - 12:30 pm (CST)
Dr. Nunez & Dr. Dewsbury present on their research.

1:00 pm - 3:00 pm (CST)
Workshop: creating an inclusive culture to support students' development of science identity.

* **RSVP** to amelia.king-kostelac@utsa.edu to receive Zoom link. *Questions welcome!*