

UC Merced STEM Education Research Seminar Series

Friday February 16th, 2024
1:00-1:30 pm Lunch
1:30-2:30 pm Seminar
Conference Room 105

Minoritized undergraduate students leave STEM disciplines at disproportionately greater rates than their peers from well-represented backgrounds. Most of this attrition occurs within the first two years of study when students are enrolled in large and often chilly introductory STEM courses. The awarding of a Howard Hughes Medical Institute science education grant has empowered the University of California, Santa Barbara, both a Hispanic-Serving Institution as well as Asian American and Native American Pacific Islander-Serving Institution, to start addressing this equity challenge. This talk will center on three discipline-based education research vignettes that focus on (1) using near-peer mentors to establish scalable first-year learning communities, (2) implementation of evidence-based instructional practices in Introductory Biology courses, and (3) working towards instructional/pedagogical change within a biology department. Data on the longer-term impacts of these approaches provide insight into how these approaches have influenced student success in the biology program at UC Santa Barbara.

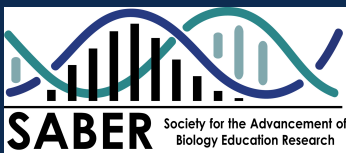


Mike Wilton, PhD
Associate Teaching Professor
UC Santa Barbara

Promoting STEM student success through programmatic and departmental change: Leveraging the lasting legacy of a HHMI science education grant.

Zoom Link:

<https://ucmerced.zoom.us/j/82759771071?pwd=anY2L1dET3dGRjQxeWJGNFVUTC9BZz09>



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