



PROFESSIONAL DEVELOPMENT IN EVIDENCE-BASED TEACHING

Sponsored by 

Promoting quantitative reasoning in undergraduate biology education

Quantitative reasoning (QR), including numerical thinking, data analysis, and model creation, is a core competency for undergraduate biology education. However, many students find QR challenging across biology subdisciplines. In this professional development workshop, participants will review current research and best practices for the teaching of QR in undergraduate biology, focusing on identifying common student barriers and instructional opportunities. Through interactive discussions and practical examples, attendees will explore evidence-based strategies to integrate greater QR in their biology courses and enhance student mastery of QR.



Jeremy Hsu, Ph.D.

Associate Professor of Biology
Assistant Director for Undergraduate
Research and Creative Activities
Chapman University

Friday
March 13, 2026



11 am PT/ 12 pm MT
1 pm CT/ 2 pm ET

saberbio.org/PDET-Series



Free event! Registration required.
Zoom link provided in confirmation email.



Macmillan Participant survey