QUBES: SUPPORTING FACULTY IN THE TEACHING OF MATHEMATICAL BIOLOGY

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Abstract

Faculty are working hard to meet the career needs of students in mathematical biology at institutions across the country and the world. This may be by creating mathematical biology courses or programs, infusing quantitative skills into the biology curriculum, or looking to introduce biology applications to mathematics classes. These endeavors need support from a variety of sources: a place to find resources, guidance on how to adapt resources for your particular institution's needs, and the validation of this contribution to education by peers and supervisors. Mathematical biology education also needs to synthesize and learn from the large body of curriculum design and implementation work being done at each of these institutions.

QUBES (Quantitative Undergraduate Biology Education and Synthesis) is a new NSF-funded project designed to fully support faculty in teaching mathematical biology. It consists of five components: Consortium, Hub, Mentor Networks, Metrics, and Implementation Research, integrated together in a community to support our colleagues. What can the QUBES community do for you? What can you do for the QUBES community?