

FAU FLC
Proposed Site Structure

I. Infusing Undergraduate Research in Natural Science/Microbiology

- a. Citation: Shortlidge, E., Baggett, and Brownell, S. Each to Their Own CURE: Faculty-Based Undergraduate Research Experiences Report Why You Too Should Teach a CURE. *Journal of Microbiology Education* 2017, May 26, 1-8. <https://doi.org/10.1128/jmbe.v19i3.1603>

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PARE is a straightforward exercise that spans discovery to math and data interpretation which includes elements of exposure, skill building and intensive research activities. Topical and relevant subject matter. a part of an important process...understanding the complex phenomenon of origins and emergence resistance. Ready CURE package covering all the SLOs and assessment. Easy to adopt and integrate into microbiology courses. Levels of engagement spans exposure to skill building to intensive research involving medium to large classrooms. PARE can be modified to any level by faculty.

II. Research-Based Course Activities

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Plan of action/Skill building: Each student team is guided/allowed to design a sound experiment to investigate the prevalence of resistance traits in the environment of their choice. They will weigh the role of replication and the nature of their control(s). Sampling and sample collection protocols to protect data integrity. Pre