

Interactive Formative Quizzes: Design, Use and Implementation in Undergraduate Microbiology Education. Joseph P. Caruso, Dept. of Biological Sciences, Florida Atlantic University, 777 Glades Rd., Boca Raton FL 33431, jcarus11@fau.edu, 561-297-4474. Activity Appropriateness=classroom *or* out of class; Target Audience=any undergraduate, but specifically targeted to Biology majors; Keywords: Formative assessments, quizzes

Among the key components of current National Research Council undergraduate Biology Education recommendations are assessing students' prior knowledge and directly confronting any misconceptions students may have.¹⁻² These are also essential aspects of Scientific Teaching.^{3,4} Formative quizzes are ideal tools for both objectives and also play an important role in assessing student learning while class topics are being covered, a crucial part of all effective pedagogy. These and other uses of formative quizzes, as well as their "nuts and bolts" applications in transforming undergraduate Microbiology education for the 21st Century offer an obvious ASMCUE microbrew session.

References

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3. Handelsman J *et al.* 2004. Scientific teaching. *Science*, 304: 521-522.
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