Implementation and Assessment of Peer led Team Learning in General Chemistry at Georgia State University

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Executive Summary
We propose to recruit, train, and assign Georgia State undergraduates to take on mentoring and guiding roles in order to transform existing general chemistry laboratory classes to better utilize available laboratory time to in turn improve overall student performance in the lecture portion of the corresponding lecture. Dr. Finnegan will pilot the implementation of Peer-Led Team Learning (PLTL) in a laboratory section of the first-semester Principles of Chemistry course (CHEM1211 lab). Generally each CHEM1211 lecture has 4 individual laboratory sections, so in this project 1 out of 4 laboratory sections will be affected by PLTL.

To assess the effectiveness of the program, we will assess students’ outcomes on course exams and the standardized American Chemical Society (ACS) final exam as well as students’ overall satisfaction, ABC and DFW rates. Both qualitative and quantitative methods will be used.