

## **DO INTRODUCTORY BIOLOGY STUDENTS ACHIEVE DEEPER LEARNING WHEN THEY EMPLOY LEARNING-BY-TEACHING IN SMALL GROUPS?**

***Nadine Kriska* Biology, UW -Whitewater**

Over several years of teaching Introductory Biology, I found many students lack the skillsets to be effective biology students. They rely on ineffective study habits like memorization and general reviews that do not achieve the deeper learning necessary to make connections to content encountered in upper-level biology courses. I am interested to learn if students achieve deeper learning of a concept when they play the role of a course tutor and teach it in a small group. Students will create a study guide and video for their small group in which they explain an assigned concept. I am assessing the student tutors' learning through targeted exam questions on the topic that balance lower-and upper-level Bloom's taxonomy to determine the level of deeper learning achieved through this approach. I will survey the students on their experience and perception of whether they feel they achieved a better understanding of the topic.

