Dr. Katie Johnson, Associate Professor of Biology at Beloit College, has implemented active pedagogy in her classroom for more than a decade. Her pedagogical research investigates how teaching practices affect learning attitudes and outcomes in diverse student populations. The APS Teaching Section recognized her work with the Research Recognition Award in 2010 and the New Investigator Award in 2014. As an active APS member, she has served on society-wide committees and chaired APS sessions at Experimental Biology. She also contributes to national initiatives that emphasize collaboration and mentorship, such as NSF-ADVANCE, NSF-Research Coordination Network (RCN), and NSF-Promoting Active Learning & Mentoring (PALM). Dr. Johnson’s laboratory and field research assesses insulin resistance and obesity in horses. She mentors a diverse group of trainees and has numerous physiology and pedagogy publications and presentations co-authored by undergraduate researchers.

**SESSION NAME: Plenary VII**

**PRESENTATION TITLE: Inclusive Practices for Diverse Student Populations**

Student populations are becoming more diverse, and it is critical for educators and institutions to implement practices that ensure the success of all students. Practical approaches, including small changes in the classroom and laboratory, can have a huge impact on student experience, success, and retention in the sciences. Diversification of successful scientists is essential for optimal scientific progress and innovation, as well as addressing important issues of equity and social justice.