

End of Lecture: The Future of Evidence- Based Teaching

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Friday, April 8, 2016
Marriott Library - Gould Auditorium
12pm lecture
1pm reception*

*Please join us for refreshments & live music

Abstract:

We recently published a meta-analysis of 225 papers that compared student performance under active learning versus lecturing in undergraduate STEM courses. The results indicate that on average, students are 1.5 times more likely to fail when being lectured to as compared to taking the same course with an active learning component, and that active learning increases exam scores by almost half a standard deviation. I will summarize the research results that provide robust data on teaching methods that increase student achievement, and I will engage participants in discussion of the way small changes can close the gap between teaching and learning.



Mary Pat Wenderoth is a Principal Lecturer in the Biology Department at the University of Washington (UW). She received the UW Distinguished Teaching Award in 2001 and has served as the co-director of the UW Teaching Academy. She is a co-founder of the UW Biology Education Research Group (UW BERG) and the national Society for the Advancement of Biology Education Research (SABER). Dr. Wenderoth earned her Ph.D. in Physiology from Rush University in Chicago.

