

1056-E5-1164 **Jeffrey L Poet*** (poet@missouriwestern.edu), Missouri Western State University, 4525 Downs Drive, Saint Joseph, MO 64507, and **Laurie J Heyer**, Davidson, NC. *Collaborative Synthetic Biology Research for Undergraduates*.

Missouri Western State University and Davidson College have an active collaborative undergraduate research program in the area of synthetic biology. For four years, a combined team of undergraduate biology and mathematics majors from the two institutions, under the direction of a faculty mentoring team of one mathematician and one biologist from each institution, have worked together on synthetic biology projects related to bacterial computing. This talk will briefly describe the structure of our research program and a few of the interesting contributions of the mathematics majors to our interdisciplinary research goals. (Received September 21, 2009)