Jason E Miller* (millerj@truman.edu), 100 E Normal St, Kirksville, MO 63501. Report on the NSF PRISM project at Truman State University. Preliminary report.

Truman State University continues its efforts to broaden participation in STEM degree programs through its 'Scientists Prepared, Enriched, Challenged Through Research-based Activities' program (NSF PRISM #0928013). This program has three components. The first studies the effect of a summer jumpstart (or bridge) program for incoming first-year students with a high level of enthusiasm for STEM degree programs but a low level of preparation. The second studies the effect of cohort-based integrative introduction to STEM for high-ability incoming first-year students who have a low level of interest in STEM. We are measuring rates of persistence in STEM for each group. The third component of the program aims to re-engineer the pipeline of students from 2-year programs to 4-year STEM programs with three high-quality community college partners. This talk will convey preliminary results of our work. (Received September 21, 2010)