

1056-Z1-1168 **Jeffrey L Poet*** (poet@missouriwestern.edu), Missouri Western State University, Agenstein Hall 101, 4525 Downs Drive, Saint Joseph, MO 64507. *Building on Nature's Inspiration: A NAKFI Synthetic Biology Report*. Preliminary report.

As one of 150 invited participants in the November 2009 National Academies Keck Futures Initiative conference Synthetic Biology: Building on Nature's Inspiration, I will report the outcomes of the NAKFI conference, particularly as they may be relevant to mathematicians and mentors of undergraduate interdisciplinary researchers. (Received September 21, 2009)