

1086-Q5-1986 **Dan Hrozencik*** (dhro@att.net), Chicago State University, HWH 332, 9501 S. King Dr.,
Chicago, IL 60423. *Undergraduate Research in Gene Regulatory Networks.*

Across several summers, the authors have sustained research projects with multiple students in the area of gene regulation. In particular, the students began working on projects comparing the dynamics of discrete and continuous models of three- and four-gene regulatory networks. The projects branched into the study synchronous and asynchronous dynamics and their relation to the network structure. The authors will present information regarding the content of the projects, the prerequisite knowledge of the students conducting the research, as well as information about the resources needed to maintain such an ongoing research program. (Received September 24, 2012)