

1096-N5-1950      **Dan Hrozencik\*** (dhro@att.net), Dept. of Mathematics - HWH 332, 9501 S. King Dr., Chicago, IL 60423, and **Tim Comar**. *Undergraduate Research in Gene Regulatory Networks*.

Across several academic years, the authors have sustained research projects with multiple students in the area of gene regulation. The students began working on projects comparing the dynamics of discrete and continuous models of gene regulatory networks and have branched into the study of synchronous dynamics and their relation to network structure. The authors will present information regarding the content of the projects, including recent results on the dynamics of networks with two feedback loops. In addition, the prerequisite knowledge of the students conducting the research, as well as information about the resources needed to maintain such an ongoing research program will be discussed. (Received September 16, 2013)