

1035-T1-604      **Leslie Hogben\*** ([lhogben@iastate.edu](mailto:lhogben@iastate.edu)), Department of Mathematics, Carver Hall, Iowa State University, Ames, IA. *Research Motivates Students.*

This talk will discuss various forms of undergraduate research and early graduate research and their use to persuade students to pursue and complete graduate degrees in the mathematical sciences. Examples will be taken from programs at Iowa State University, including the REU supported by NSF grant DMS 0353880, the Honors program, and the Early Graduate Research seminar. Problems suitable for undergraduate research and the use of teams of students will be discussed. (Received September 11, 2007)