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5700 Collge RD, Lisle, IL 60532. *Mentoring Undergraduate Research in Mathematical Biology.*

We discuss the preparation process of undergraduate students to participate in undergraduate research activities. Most of the students with whom I have worked began their preparation process in my two semester biocalculus course sequence. During this course sequence, students learn how to read journal articles, work with computer software, and complete an expository project on a mathematical model from a journal article. Students then continue research activities through the Benedictine University College of Science Summer Research Program, which operates like an REU, through independent research work during the school year, and through a research oriented topics course. I will also discuss the structure and functioning of the research groups during the school year, in which more advanced research students begin to help mentor novice student researchers. We conclude with a summary of recent results obtained with my research students in the dynamics pest management and epidemic models using impulsive differential equations and the dynamics of Boolean models of gene regulatory networks. (Received September 03, 2013)