

1023-K5-1796 **Raina Robeva*** (robeva@sbcc.edu), Department of Mathematical Sciences, Sweet Briar College, Sweet Briar, VA 24595, and **Robin Davies**, Department of Biology, Sweet Briar College, Sweet Briar, VA 24595. *A Story of Developing a Course and a Textbook in Mathematical Biology.*

The authors share their experiences in creating and team-teaching an undergraduate course in mathematical biology while also writing a textbook for the course that is largely based on projects from contemporary medical research. Started in 2000 as collaboration between the authors, the project grew to involve a total of seven faculty from Sweet Briar College and the University of Virginia School of Medicine with backgrounds in mathematics, biology, statistics, biophysics, and biochemistry.

In the talk, we discuss the results from teaching, since 2002, our course "Topics in Biomathematics" and the challenges we had to face along the way, including funding, establishing and maintaining interdisciplinary and interinstitutional collaborations, and engaging research faculty in an undergraduate educational initiative. (Received September 26, 2006)