

1056-Q5-1402      **Raina S Robeva\*** (robeva@sbc.edu) and **Terrell Hodge** (terrell.hodge@wmich.edu).

*Introductory Mathematical Biology through Finite Dynamical Systems.*

There is a growing number of programs that utilize difference and differential equations models as an introduction to mathematical modeling in biology. The approach is particularly common in pre-calculus and introductory calculus courses. The talk outlines how Boolean Networks and Finite Dynamical Systems could be used as valuable alternatives, especially for students who have not yet entered the calculus sequence and for biology students at institutions where calculus is not required for the biology major. (Received September 21, 2009)