

1035-B1-1403 **Hala Jadallah*** (htree2000@yahoo.com), Department of Mathematics, Purdue University, 150 N. University Street, West Lafayette, IN 74907. *Math-Biophysics in the class room.*

My talk will focus on using the Morris-Lecar model of the barnacle muscle (a nonlinear dynamical system) to bring up two points for the students learning about biology and its interdisciplinary nature: 1. the use of physics laws to build the model 2. realizing biological complexity by comparing the model to an electric circuit. (Received September 19, 2007)