

# Department of Mathematics

## *Spring 2015 Colloquium Series*



### **“Is Mathematics Biology’s Next Microscope?”**

**with Kamila Larripa, Ph.D.**  
Lecturer, Department of Mathematics  
Humboldt State University

**Thursday, April 30, 2015**  
**Behavioral Social Sciences Building Room 166, 4 p.m.**

Mathematical biology is poised for explosive growth as biology becomes more quantitative. The need for mathematical and computational approaches to organize this information is acute. The mathematics can be relatively simple; it is the novel application that allows us to peek into a biological system and suggest directions for future experiments. I will discuss some of my favorite examples of modeling applications in cell biology, as well as a current research project related to stem cells.

*Kamila Larripa is a lecturer of mathematics at Humboldt State University.*

*For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>*

***We invite you to the Pre-colloquium Tea on the third floor of the BSS building at 3:30.***