



*The Mathematical Association of America*

**The Math Club/MAA Student Chapter  
presents**

**Math and Modeling in Cryobiology : an REU  
Experience**

**Claire Schulkey, CSULA student**

**Wednesday, October 25, 2006**

**3 – 4 pm, Simpson Tower 213**

**Refreshments 2:30 - 3**

Mathematical modeling has been integral in theoretical advances and understanding in the field of cryobiology. Due to the interdisciplinary nature of cryobiology, integrating chemistry, physics, and biology, modeling has aided in the development of testable theory. Background in this field will be discussed, as well as research conducted over the summer at the University of Missouri-Columbia, on the cryoprotectant agent (CPA) propylene glycol and the freezing and thawing properties of this CPA associated with biological systems. The process of applying for and participating in a research experience for undergraduates (REU) will also be discussed.

**For more information, contact Mike “Quimby” Krebs at [mkrebs@calstatela.edu](mailto:mkrebs@calstatela.edu) or Tony Shaheen at [ashahee@calstatela.edu](mailto:ashahee@calstatela.edu).**

Math Club website: [http://www.calstatela.edu/academic/math/Math\\_Club/mathClub.htm](http://www.calstatela.edu/academic/math/Math_Club/mathClub.htm)