

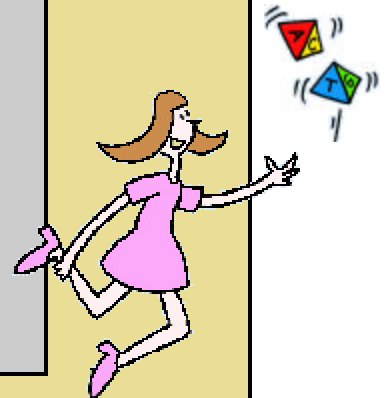
PUBLIC LECTURE

Prof. Bernd Sturmfels  
University of California at Berkeley

Algebraic  
Statistics for  
Computational  
Biology



& DiaNA



**Abstract:** We discuss recent interactions between algebra and statistics and their emerging applications to computational biology. Statistical models of independence and alignments for DNA sequences will be illustrated by means of a fictional character, DiaNA, who rolls tetrahedral dice with face labels 'A,' 'C,' 'G' and 'T.'

The talk is suitable for undergraduates and NO prerequisites in algebra or biology are needed.

University of Notre Dame  
Department of Mathematics

**Date:** October 7, 2005  
**Time:** 5:30pm  
**Location:** 127 Hayes-Healy Bldg

**Refreshments** will be served from 4:30pm to 5:30pm  
around the globe in the Hurley Bldg