



Institute for Mathematics and its Applications

IMA Public Lecture Series  
**MATH MATTERS**

# "Algebra, Statistics, Computation and Biology"



Recently, algebraic methods have been developed to unify and advance a variety of techniques of statistical analysis, providing new and improved tools for computational biology. Professor Sturmfels, one of the founders of the new field of algebraic statistics, will introduce the subject and describe its emerging applications to genome science and developmental biology. He will be assisted by a fictional character named DiaNA who plays hopscotch and rolls tetrahedral dice with faces labeled "A," "C," "G," and "T."



**Bernd Sturmfels**

Department of Mathematics  
University of California - Berkeley

Tuesday, October 9, 2007  
7:00 pm

125 Willey Hall  
225 19th Avenue South  
University of Minnesota, Minneapolis



The IMA is an  
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