

# NANO HOUR

Wednesday, April 19, 2006

3:00 PM

Beckman Institute - Room 3269

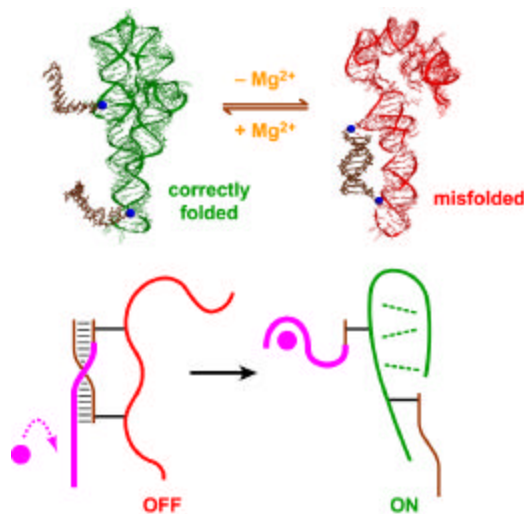
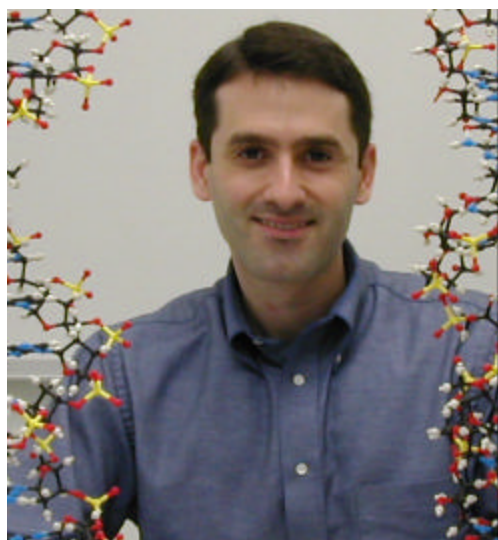
## DNA as a Macromolecular Conformational Constraint

Prof. Scott K. Silverman

Professor of Chemistry

University of Illinois at Urbana-Champaign

Although nature uses DNA to store genetic information, the chemical and physical properties of DNA suggest that it may be applied for other purposes. Many research groups are investigating DNA as a nanoscale construction material; e.g., for regular or irregular 2D and 3D lattices. In a different approach, our research group is applying short double-stranded DNA elements as constraints to control macromolecular conformation. In this presentation, I will describe our recent efforts and future directions in the use of DNA as a constraint to control macromolecular structure and function.



Coffee and cookies will be served.