

## **\*\*NANO HIGHLIGHT\*\***



### **CPN Awards Five Graduate Prize Fellowships for 2006-2007**

*NSF NSEC Grant PHY-0425897*

Director: **Kathryn Moler**, Deputy Director: **David Goldhaber-Gordon**

Associate Director: **Kyle Cole**

#### **Center for Probing the Nanoscale, Stanford CA**



The winners of the new CPN Graduate Prize Fellowship were announced in September for the 06-07 academic year. Out of a pool of fourteen excellent proposals, five were chosen based on their potential for outstanding contributions to nanoprobe research and to science education. Students receiving the award will receive full tuition and salary for two years. The proposals were also evaluated using the [NSF Merit Review Criteria of Intellectual Merit and Broad Impact](#). Faculty members affiliated with the CPN (see [membership guidelines](#)) were asked to nominate students for the Assistantship.

#### **2006-2007 CPN Graduate Prize Research Assistantships:**

**Ben Almquist**, Materials Science and Engineering

*“Examination of Interaction Forces and Mechanical Properties of Cellular Membranes with Novel Atomic Force Microscopy Probes”*

**Prasad Ganesan**, Chemistry

*“High Precision Measurement of Cell Membrane Component Position and Conformation by Interferometric Analysis”*

**Nahid Harjee**, Electrical Engineering

*“A Coaxial-Tip Piezoresistive Cantilever for High-Resolution Scanning Gate Microscopy”*

**Nick Koshnick**, Applied Physics

*“Nano-SQUID Susceptometry with Single Electron Spin Sensitivity”*

**Jia Zhu**, Electrical Engineering

*“Si Nanocones and Metal Nanowires as New Probes for Scanning Electrochemical Microscopy”*

Ben Almquist, Jia Zhu, Prasad Ganesan, Nick Koshnick,  
(not pictured-Nahid Harjee)

