

Kavli Nanoscience Institute Inaugural Symposium

[Registration](#) / [Schedule](#)

Monday, October 24, 2005

8:30 a.m. - 5:30 p.m.

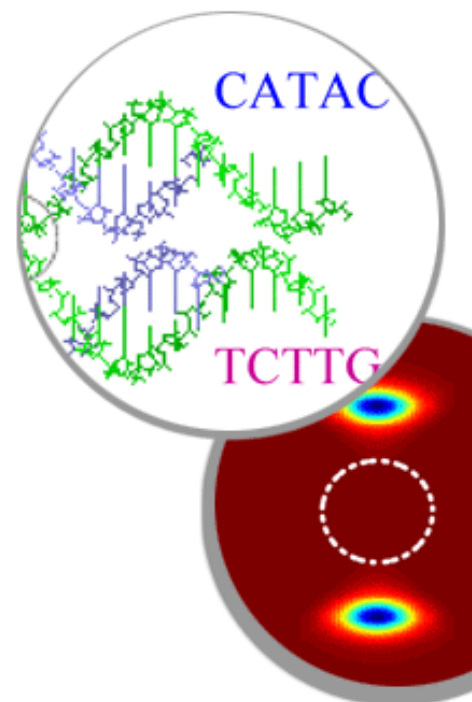
Beckman Institute Auditorium

Please use the [on-line registration form](#) if you wish to attend. A flyer-announcement ([pdf](#)) is available for posting.

Schedule

click on name for abstract

7:30-8:30am	Breakfast
8:30-9:15	David Baltimore, Caltech: Welcome Michael Roukes, Caltech: PMA, EAS, & Director of KNI <i>"Caltech's KNI: The Big Picture on Small Things"</i>
9:15-10:00	Daniel Rugar, Manager, Nanoscale Sciences, IBM Almaden Research <i>"Scanning the Nanoscale: Past, Present, & Future"</i>
10:00-10:30	Coffee in the courtyard
10:30-11:15	Ted Hänsch, Max-Planck-Institute of Quantum Optics <i>"Towards a Quantum Laboratory on Chip"</i>
11:15-12:00pm	Steven Block, Stanford <i>"Progress in Biological Nanoscience, Measured One Molecule at a Time"</i>
12:00-1:15	Box Lunches and Student Posters in the courtyard
1:15-1:20	Dave Rutledge, Caltech, Introduction
1:20-1:50	Jim Heath, Caltech, CCE <i>"NanoSystems Biology Cancer Center and the KNI"</i>
1:50-2:15	Christina Smolke, Caltech, CCE <i>"Programmable Molecular Switches and Sensors: Devices for Converting Biochemical Information into Biological Function"</i>



2:15-2:40	Pat Collier, Caltech , CCE <i>"Molecular Circuitry: Construction and Characterization of Coupled Biomolecular Dynamics"</i>
2:40-3:05	Michael Elowitz, Caltech , BIO <i>"Slow, Noisy, and Out of Control: Gene Circuits at the Single Cell Level"</i>
3:05-3:30	Coffee in the courtyard
3:30-4:00	Axel Scherer, Caltech , EAS & PMA <i>"Frontiers and Applications of Nanophotonics at the KNI"</i>
4:00-4:25	Oskar Painter, Caltech , EAS <i>"Geometry and Scale in Photonics"</i>
4:25-4:50	Erik Winfree, Caltech , EAS <i>"Algorithmic Self-Assembly of DNA"</i>
4:50-5:20	Bill Goddard, Caltech , CCE & EAS <i>"Functional Nanoelectronics Devices from First (and Second) Principles"</i>
5:20	Farewell



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