

# Nanotechnology at UC

UNIVERSITY *of* CALIFORNIA

*It starts here*



# Nano Facts

- Nano research funding – over \$4 billion in US - the largest publicly-funded science initiative since the space race
- 15% of all nanotech companies worldwide are in CA (27% nationwide)\*
- Nano Start-ups – over 25 from UC



# Hybrid Plastics™

Superior Technology for Superior Products



UNIVERSITY of CALIFORNIA

*It starts here*



# Nanotech Institutes

- Approximately 30 institutes, 400 faculty
- Includes all fields of science
- Innovative collaborations - across departments, campuses, universities, and companies
- Industry-friendly and application focused

UNIVERSITY *of* CALIFORNIA

*It starts here*



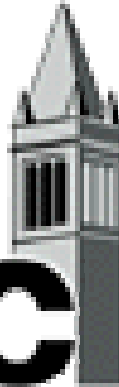
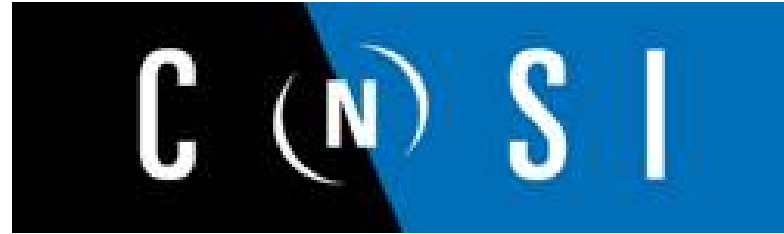
# Nanotech Institutes

- Catalysts for creating new ways of doing science
- Create novel partnerships with industry
- House state-of-the-art facilities
- Study all aspects of nanotechnology

UNIVERSITY *of* CALIFORNIA

*It starts here*







- Cal-ISIs
- State initiatives formed to forge partnerships with industry to accelerate technological changes for society
- Focus on areas critical to the economic growth of the state

UNIVERSITY of CALIFORNIA

*It starts here*



# NANO-TUMOR

- Center of Excellence of NANOTECHNOLOGY for Treatment, Understanding, and Monitoring of Cancer (**NANO-TUMOR**)
- New “team science” model for cancer research by aligning funding mechanisms, organizational culture, and strategic investments to accelerate interdisciplinary research
- UCI, UCR, UCSB, UCSD

UNIVERSITY of CALIFORNIA

*It starts here*





- User Facility charged with providing support to research in Nanoscience underway in academic, government and industrial laboratories around the world.
- One of five DOE Office of Science Nanoscale Science Research Centers: “Flagship of Nanoscience”

UNIVERSITY of CALIFORNIA

*It starts here*



- "Nanoparticles are everywhere. You eat them, drink them, breathe them, pay to have them, and pay even more to get rid of them."  
- Dr. Alexandra Navrotsky, 1999 UCD

