

Technology Initiatives for the 2006 Legislature

Jim D. Mason

Vice President Technology Initiatives

The State Chamber

Tech Initiatives

- EDGE Initiative
 - Endowment Fund
 - Research Capital of the Plains
- Oklahoma Nanotechnology Initiative
- OCAST Funding Initiative
 - Pre-Seed Capital Fund
- Bio-Life Sciences Initiative
 - Opportunity Fund



EDGE Initiative

- EDGE – Economic Development Generating Excellence - 2003
- Progress has been made over 65 initiatives have been undertaken to implement the EDGE Action Plan
- 4 Major EDGE Recommendations
 - Transform Oklahoma into the Research Capital of the Plains
 - Dramatically update Oklahoma's public Education System
 - Reverse Our State's Health Trends – Now
 - Immediately Reform and Improve Our Business Climate

Oklahoman Nanotechnology Initiative

- The ONI is a legislative initiative to create awareness and bring more research dollars to Oklahoma
- www.oknano.com
 - Nano News
 - Grants
 - Research
 - Events
- Nano e-letter
- Oklahoma Nanotechnology Conference Nov. 17-18



Oklahoma Nano Initiative con'd

- Create a Center of Excellence in Nanotechnology
- Attract grants for nanotechnology
- Regional Collaboration
- Find funding for an endowed chair in nanotechnology

HOW SMALL

Ant = 5,000,000 nm

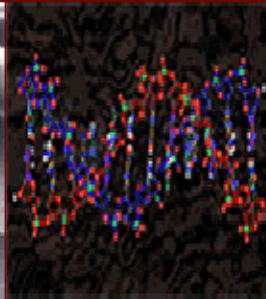
Pinhead Dia. =
1,500,000 nm

MEMS = 10,000 -
100,000 nm

Red Blood Cell =
7,500 nm

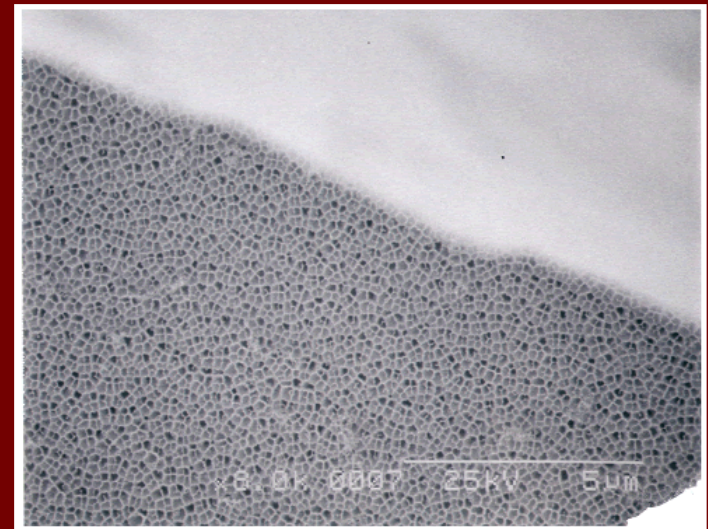
Human Hair Dia =
100,000 nm

DNA Diameter =
2.5 nm

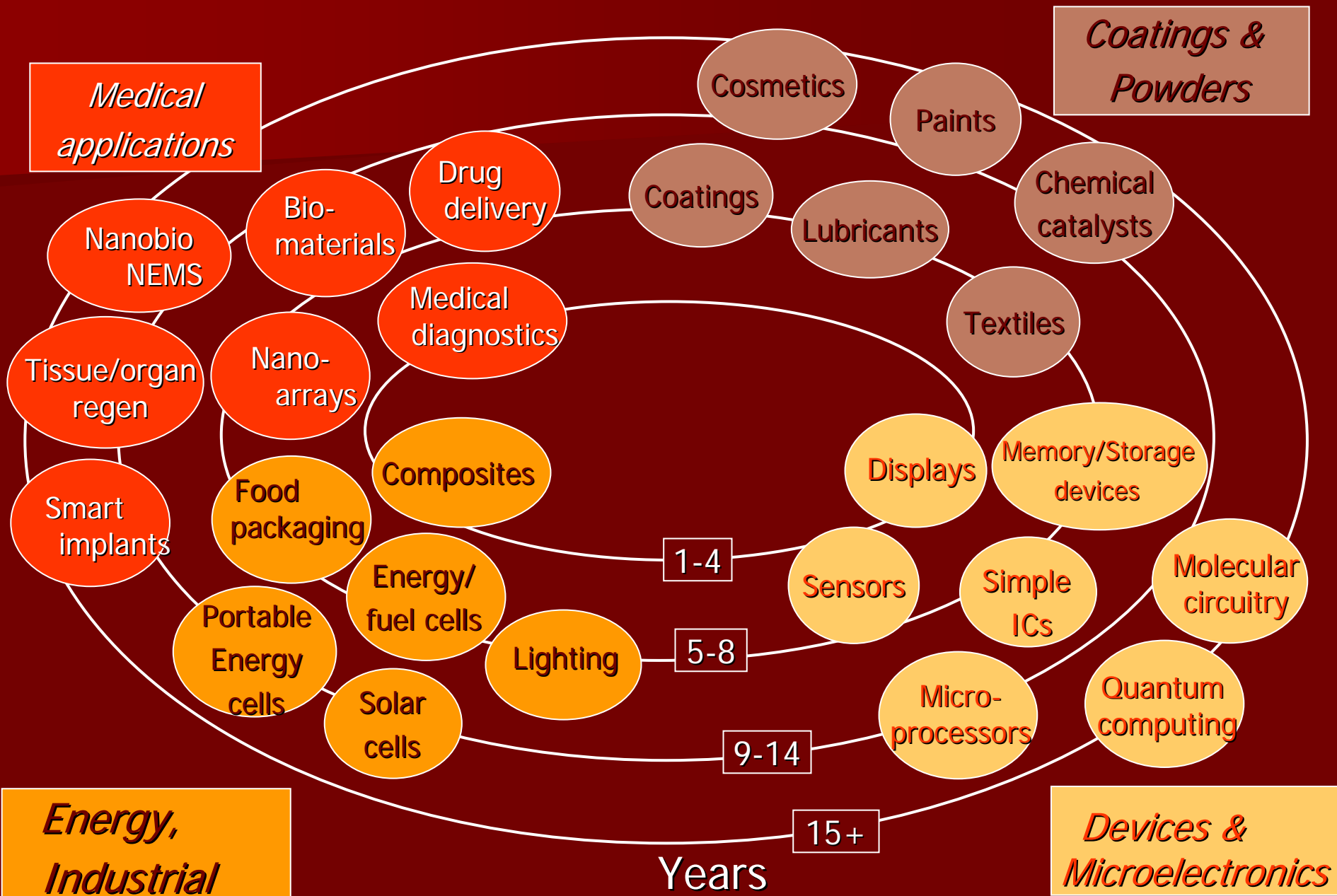


Nanobatteries are
200 nm in diameter

2 billion could fit on
the surface of a nickel



A DIVERSE SET OF OPPORTUNITIES





OCAST Funding Initiative

- 2005 legislative status
- 2006 legislative request
 - Health Research
 - Applied Research
 - Tech Commercialization
 - Small Business Research Assistance
 - Industrial Extension
 - Inventors Assistance
 - Tech Information Services
 - General Administration
 - Seed Capital program



Bio/Life Sciences Initiative

- Creating an Oklahoma Bioscience Collaborative- to take leadership of strategic implementation of a common vision
- Funding the \$1 billion EDGE research endowment fund
- Create an Oklahoma Bioscience Opportunity Fund

Bio/Life Science Initiative

- Create a Technology Development Fund to support commercialization of technology owned by universities and research organizations
- Create a bioscience early stage fund to help attract additional venture capital to the state
- Continue construction of needed infrastructure to attract more research and businesses