Centers of Excellence

Mark B. Rosenberg, Chancellor

February 16, 2006
If the world is flat, then where do we go from here?

- Dominant position of the U.S. is eroding — National Academy of Sciences
- Innovation is the single most important driver of U.S. competitiveness — National Council on Competitiveness
- Knowledge is key to innovation-based economic development
- Public universities play a key role in knowledge-based innovation
- Public universities have permanence
Awareness of this Major Development Grows in U.S.

California - Creates a system of research universities in the 1960s to advance the state’s research capabilities

- Governor Schwarzenegger announces major bonding initiative

Georgia - Creates the Georgia Research Alliance

Michigan - Develops the Life Sciences Corridor

North Carolina - Research Triangle
Georgia as a Case Study

Georgia Has Also Created National Centers

- **Center for the Engineering of Living Tissues**: NSF supports; nearly $20 million in federal funding; partnerships with 21 companies

- **The Center for Behavioral Neuroscience**: NSF supports; nearly $37 million in federal funding
Georgia as a Case Study
continued

What are the results?

$400 million from Georgia legislature has leveraged over $2 billion in federal and private funds

• 5,000 new technology jobs

• 120 new technology companies

• Expansion of Georgia companies into new markets
Does It Work In Florida?

Funded Centers of Excellence

• Center of Excellence for Regenerative Health Biotechnology (University of Florida)

• Center of Excellence for Biomedical & Marine Biotechnology (Florida Atlantic University)

• Florida Photonics Center of Excellence (University of Central Florida)
Center of Excellence for Regenerative Health Biotechnology

- Construction ends June 2006
- Spawned one start-up --obtained $18 Million
- Received $2 Million For Education Center
Center of Excellence for Regenerative Health Biotechnology

Bench → Bedside

Intellectual Property → Product
Center of Excellence for Biomedical & Marine Biotechnology

• Develop new medicines for treatment of cardiovascular disease, cancer, arthritis and chronic pain
• Refined high-resolution, high-tech camera for sea exploration
• Leveraged $25M.
Florida Photonics Center of Excellence

- Nanophotonics/Biophotonics
- Advanced imaging/3-D display
- Ultra-high bandwidth communication
- 3 start-up companies ($10.5M venture capital)
- Leveraged $40M
Eminent Scholars

Mark B. Rosenberg, Chancellor

February 16, 2006
Eminent Scholars are...

- Human assets who are globally competitive
- Entrepreneurs at the cutting edge of the knowledge economy
- Small businesses in and of themselves
Eminent Scholars bring...

- Global competitiveness to Florida’s higher education system
- The Best and Brightest Education to Floridians
- Economic Development and impact to the areas they serve
Eminent Scholars will...

- Attract additional renowned researchers and their research to Florida
- Create long-term focus on cutting-edge research
- Continue to bring research dollars into Florida’s higher education system
The flat world will not wait on Florida!