

BOARD OF GOVERNORS

Centers of Excellence

Mark B. Rosenberg, Chancellor

February 16, 2006



State University System of Florida

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



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Eminent Scholars

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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!

Board of Governors - State University System of Florida

