



# **State University System Research and Development: An Introduction**

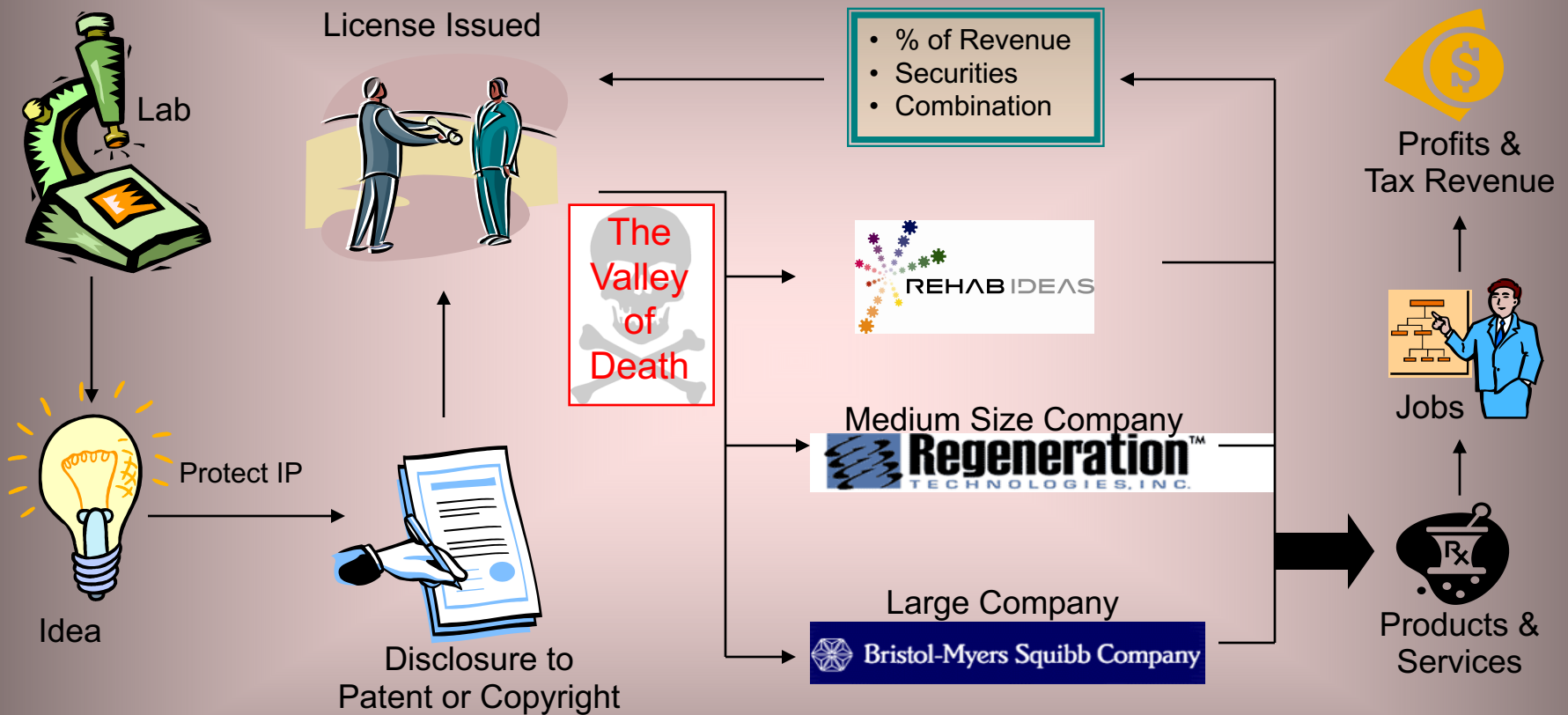
**March 25, 2009**

**R.E. LeMon, Ph.D.**

# A 21<sup>st</sup> Century Innovation Economy



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# **21<sup>st</sup> Century Enhancement Act**

**The Legislature's Investment To Date:**

**Centers of Excellence Program**

**World-class Scholars Program**

**Commercialization Assistance Grant Program**

**\$170,000,000**



# Center of Excellence: UCF Photonics

- \$10M initial investment
- 145 new awards worth \$37M received
- 112 publications
- 74 inventions disclosures and 31 new patents
- 6 new companies created

# Center of Excellence: Ocean Energy



**Washington, DC** – On Friday, March 13<sup>th</sup>, Congressman Ron Klein joined scientific researchers to announce **\$1,189,375** in funding for **Florida Atlantic University's Center for Ocean Energy Technology**.



# U.S. Sponsored Research, 2005

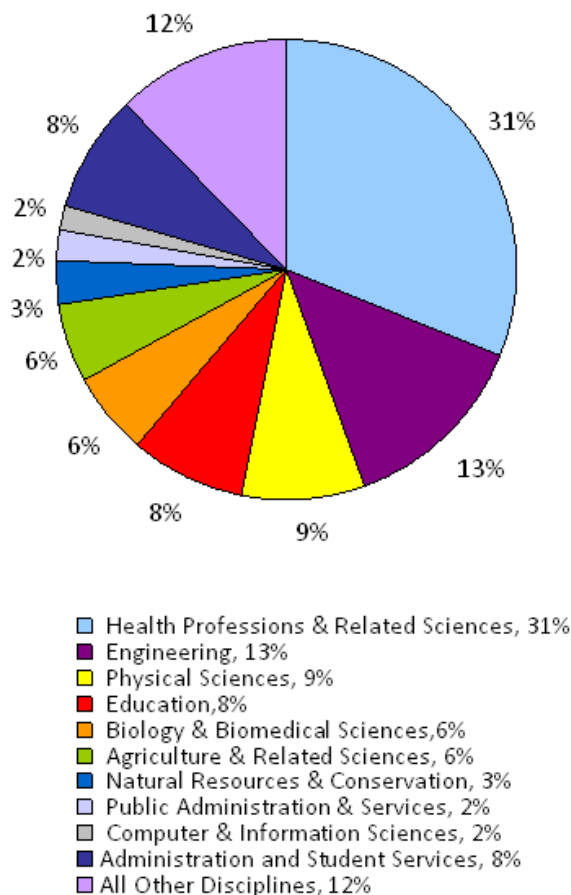
- Research Expenditures \$40B
- Invention Disclosures, New  
Patent Applications Filed, New  
Licenses / Options 37,429
- New Companies 628
- New Products to Market 527

# SUS Sponsored Research, 2007-2008

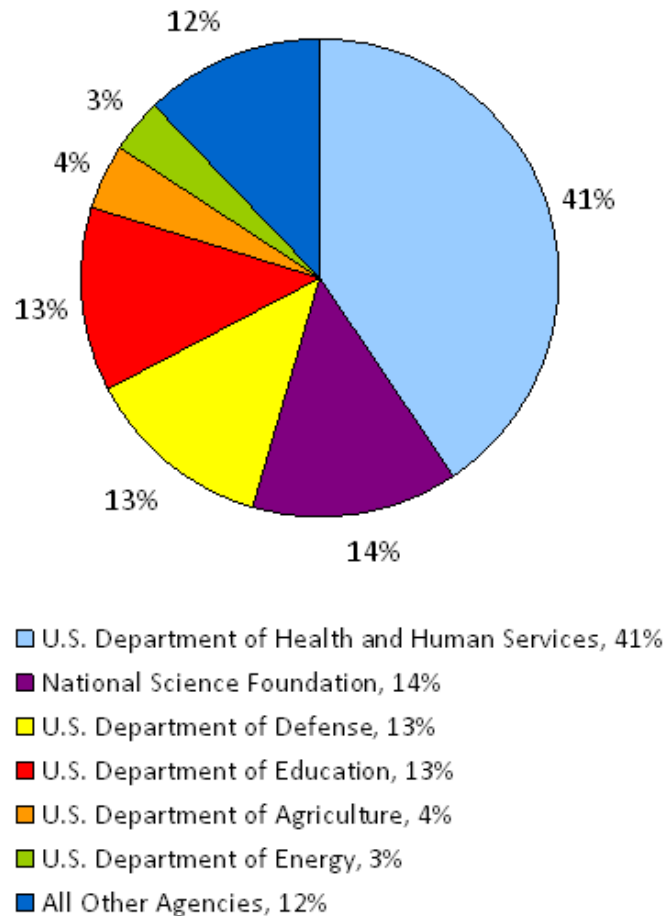
• Total Awards	\$1.4B
• External Awards	\$1.2B
• Proposals Submitted	11,848
• Active Projects	16,725
• New Patent Applications Filed	762
• U.S. Patents Issued	153

**Awards** and **Expenditures** are almost always slightly different from one another because of differences between when dollars are awarded versus when they are spent.

# 2007-08 Expenditures by Discipline



# 2007-08 Awards by Federal Agency





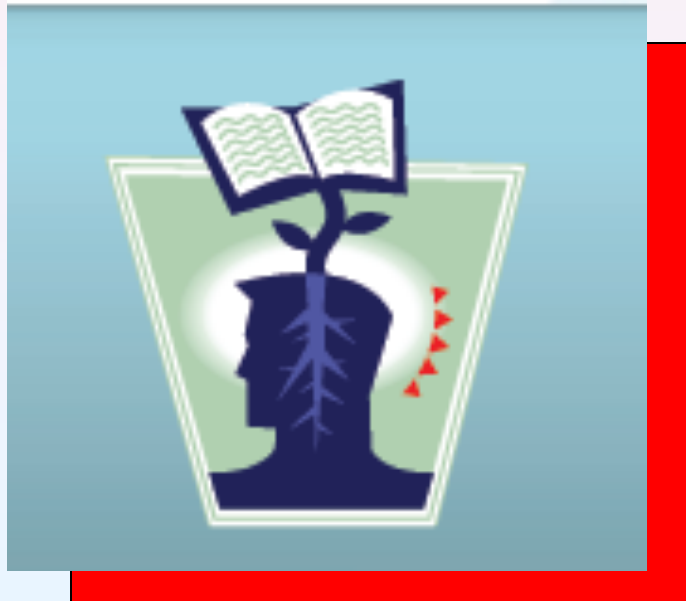
# Return on Investment

- ✓ **Every year** the average public university
  - ✓ spends \$284,000,000, and
  - ✓ generates \$5 for every \$1 invested by states.
  
- ✓ **Every 10 years** the average public university
  - ✓ creates an additional 1,010 jobs through startup companies, and
  - ✓ generates 1,205 jobs in business incubators and research parks.



# Return on Investment

**At \$46,000, a U.S. baccalaureate graduate earns, on average, \$20,000 more a year than a United States high school graduate.**





# Return on Investment

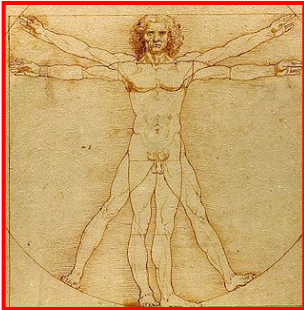
**In 2007-08 the SUS produced 68,500 graduates at all levels.**



# In Conclusion, the SUS:



Brings \$1.2B to Florida yearly



Provides cutting edge goods, services, healthcare, and a 21<sup>st</sup> Century culture



Adds 68,500 high-skill/ high-wage employees to the workforce yearly

