

# State University System Issues

Senate Appropriations, Education Subcommittee  
December 11, 2003  
Tallahassee, Florida

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*“As more students graduate from Florida high schools prepared for college, we’ll need to make sure our community college and university systems are prepared to welcome them.”*

*--Governor Bush, State of Education, Nov. 13, 2003*

## Presentation Topics

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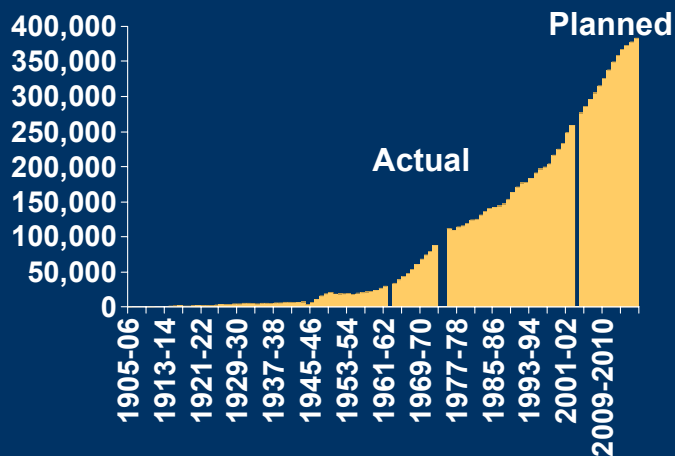
- Enrollment Plans
- Research and Economic Development
- Devolution from FLAIR

## Enrollment Plans: Three Questions to Think About

- How does the postsecondary sector prepare for the success of our K-12 system in an era of limited resources?
- How can all delivery systems work together to fulfill the access promise?
- Thinking beyond the moment: Out of 100 Floridians born today, how many should we expect to complete a four-year degree?

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## Planned Growth Continues Long-Term Trend



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## University System Enrollment Plans

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- Enrollment plan process
- Sources of pressure for system growth
- Allocation of 2004-05 enrollment growth funding request
- Long-term systemwide growth plans

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## Enrollment Planning Process

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- DCU researched demographic trends
- Universities developed plans through their own enrollment and strategic planning processes
- DCU evaluated university plans
- Board of Governors considered plans and developed 2004-05 growth request
- Continuous review of plans and state-level strategic planning will be primary functions of the BOG

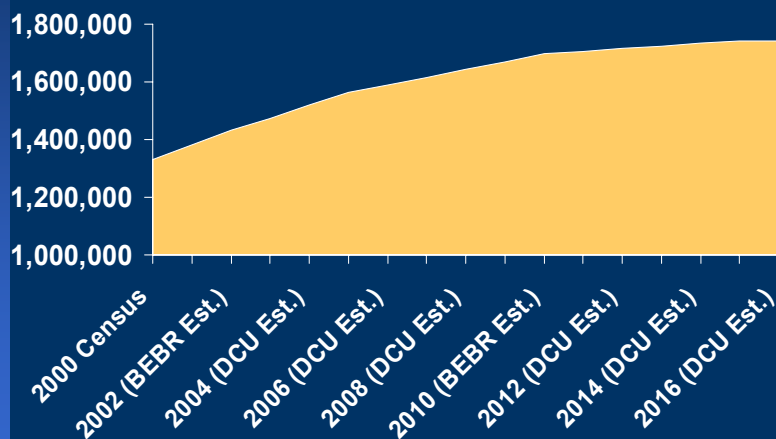
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## Where are They Coming From?! Sources of Pressure for System Growth

- Increasing 18-24-year-old population
- Employer demand for graduates with postsecondary credentials
- Rising student achievement

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## Projected Growth in 18-24-Year Old Population



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## Employer Demand for Graduates: AWI Projections through 2010

- 11 out of AWI's top 20 fastest-growing jobs through 2010 generally require bachelor degree or higher
- 19 out of 20 highest-paying jobs require bachelor degree or higher
- 16 out of 20 highest-paying jobs require a graduate degree

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## Florida is Succeeding in Widening the Road to College!

A+ Plan  
One Florida  
College Board Partnership



Bright Futures  
Prepaid Tuition  
Increased SAT and ACT Participation

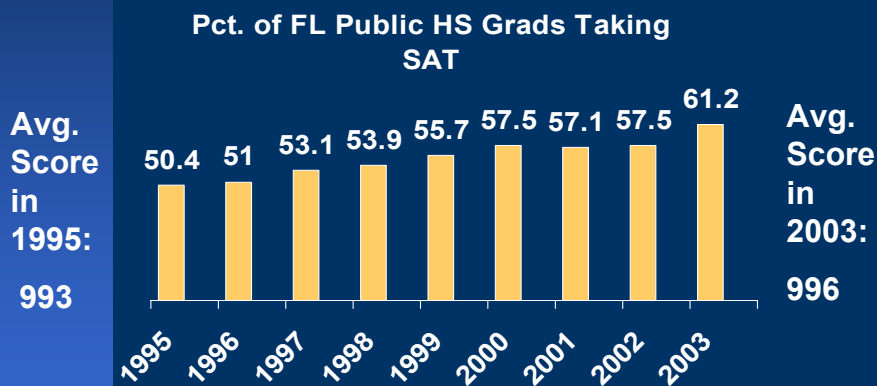
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## College-Bound Population Growing Faster than Age Group

	# of 18-Year-Olds	All Public HS Graduates	Public HS SAT-Takers	FL FTIC Applicants to SUS
1995	184,258	100,200	50,470	33,868
2003	214,799	136,225	83,397	59,219
Percent Growth	17%	36%	65%	75%

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## Percent of Grads Taking SAT is Increasing (with No Decline in Scores)



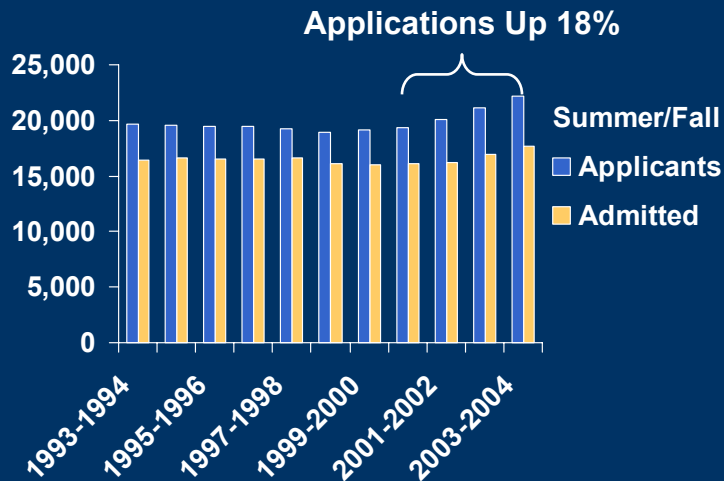
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## The Trend is Likely to Accelerate

- Only state improving in 4<sup>th</sup>-grade reading on 2003 NAEP
- Mean 8<sup>th</sup>-grade FCAT math score
  - in 1999 = 295
  - in 2003 = 310
- Last year's 8<sup>th</sup>-graders will start entering
  - college in 2007-08
  - upper-division in 2009-10
  - graduate school in 2012-13
- 4<sup>th</sup>-graders start in 2011...

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## Community College Transfer Applications Also Starting to Increase



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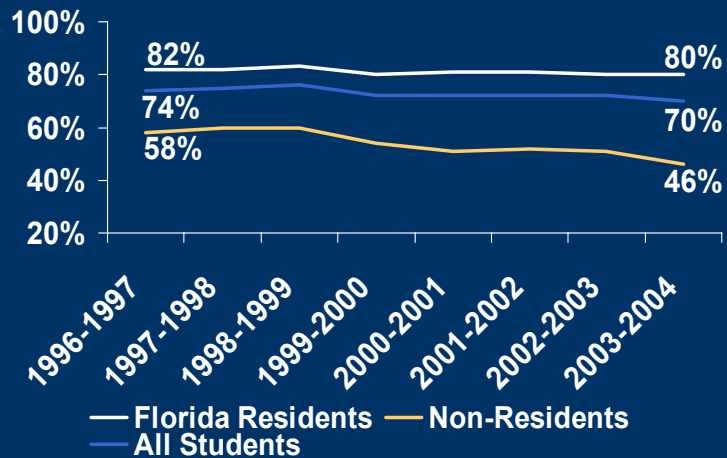
## More Resources will Help Meet Growing Demand



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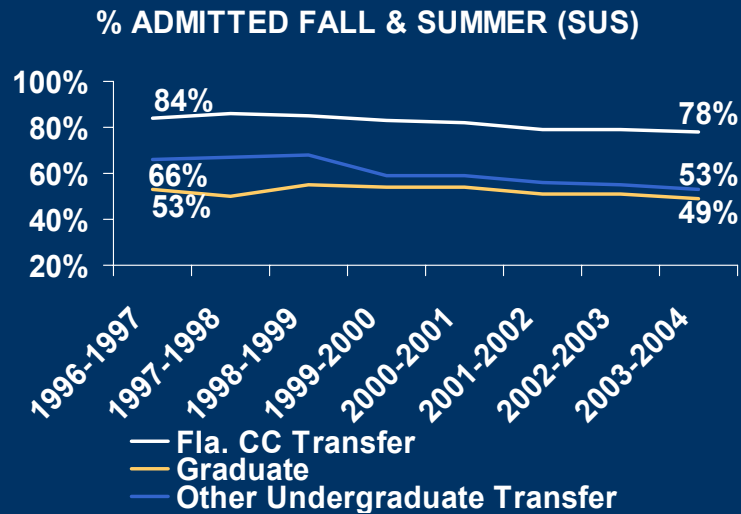
## Universities are Becoming More Selective

% ADMITTED FALL AND SUMMER (SUS)



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## Graduate and Transfer Admissions Are Also More Selective



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## Funding: The Missing Link for Enrollment Plans

- Admissions process has started for 2004-2005
- Factors in decisions:
  - Number and quality of applicants
  - Anticipated number of vacancies
  - Anticipated “yield” rate of accepted students
  - *Anticipated funding level*
- Most decisions made by April
- Universities must make assumptions about funding levels

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## FTE Enrollment Growth Request is Part of the Access Solution

UF	1,247		
FSU	813		
FAMU	0	<b>ADDITIONAL FUNDED FTES REQUESTED</b>	
USF	2,043		
FAU	1,241		
UWF	343		
UCF	3,421		
FIU	1,165	Separate	Budget Issues
UNF	317	FAMU Law	98
FGCU	800	FSU Med	60
NCF	38		
USF E&G Med.	33		
USF Health Sci. Med	11		
UF Health Sci. Med	24		
<b>Total</b>	<b>11,496</b>		

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## Cost of 2004-05 Enrollment Growth Request

**\$129,575,548 Total**

**\$82,195,286 General Revenue**

**\$47,380,262 Student Fees**

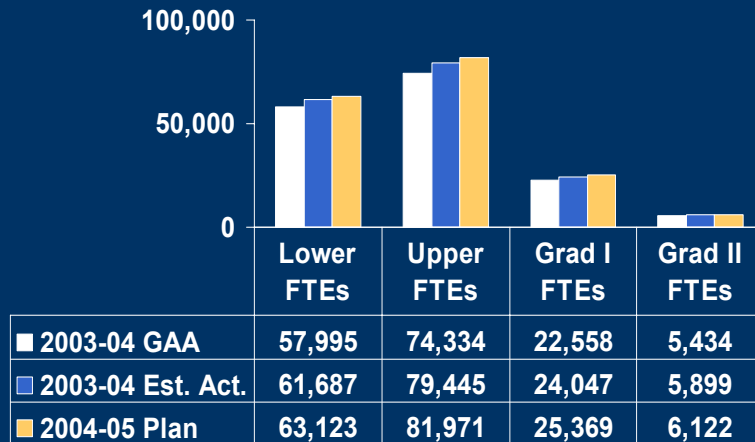
**Separate Budget Requests**

**\$1,000,000 FAMU Law**

**\$4,313,564 FSU Medical**

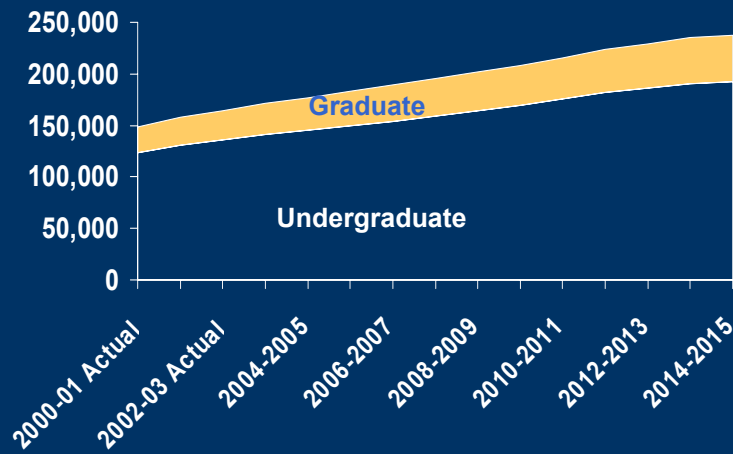
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## 2004-05 Enrollment Request vs. Actual and GAA Funded



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## Total University-Planned FTE Growth



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## Bachelor Degrees Per Capita

	2002	
	Florida	US
Bachelor Degrees--Public Institutions	38,078	
Bachelor Degrees--Private Institutions	18,287	
<b>Total Bachelor Degrees</b>	<b>56,365</b>	<b>1,290,803</b>
18-44 Population	5,999,257	108,694,000
Degrees Per 100,000	939	1,188
<b>Additional Degrees Needed Annually to Close Gap</b>	<b>14,880</b>	

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## Bachelor Degrees Per Capita—Projections Based on University Plans

	2013	
	Florida	US
Bachelor Degrees--Public Institutions	57,304	
Bachelor Degrees--Private Institutions	27,478	
<b>Total Bachelor Degrees</b>	<b>84,782</b>	<b>1,509,000</b>
18-44 Population	6,307,817	109,708,000
Degrees Per 100,000	1,344	1,375
<b>Additional Degrees Needed Annually to Close Gap</b>	<b>1,980</b>	

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## Examples of Specific University Plans

- Colleges of engineering and hospitality management at FGCU
- UCF branch campus at Palm Bay
- Rapid growth in biotechnology, nanotechnology, and environmental sciences at USF
- Faster growth in upper-division and more use of 2+2 system

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## Private Colleges Must also Continue to Grow: Share of Top 10 Bachelor Degrees

2001-2002 Bachelor Degrees Awarded by Florida Private Colleges (ICUF and Others)		
	Number	% of All Florida Degrees
<b>Total</b>	<b>18,287</b>	<b>32%</b>
<b>Business Management &amp; Admin. Services</b>	<b>5,996</b>	<b>39%</b>
<b>Education</b>	<b>1,464</b>	<b>28%</b>
<b>Social Sciences and History</b>	<b>961</b>	<b>22%</b>
<b>Health Professions and Related Sciences</b>	<b>751</b>	<b>22%</b>
<b>Psychology</b>	<b>837</b>	<b>25%</b>

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## Private Colleges: Share of Top 10 Bachelor Degrees (continued)

2001-2002 Bachelor Degrees Awarded by Florida Private Colleges (ICUF and Others)		
	Number	% of All Florida Degrees
Communications	587	20%
Engineering	515	20%
Visual and Performing Arts	1,105	47%
Computer and Information Sciences	807	41%
Biological Sciences/Life Sciences	620	32%

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## Research and Development

- The economic context for universities
- Current strengths
- New directions

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## Universities: Critical to Our State's Economy

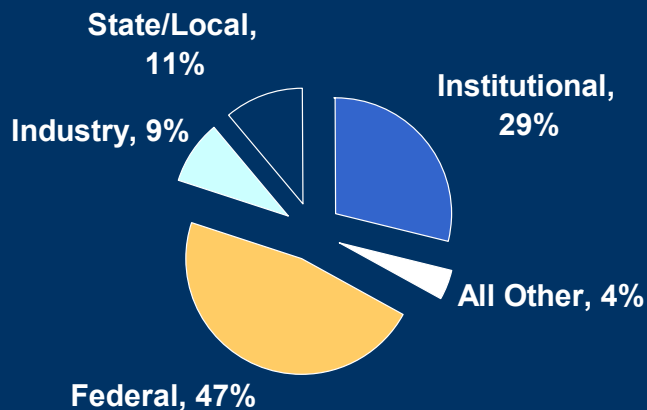
University of Florida's impact  
– \$3.4 billion

*“An estimated \$3.43 billion was spent in Florida by the university and its related organizations, employees, students, and visitors during 2001-02 . . . This total impact is more than seven times the state investment of \$498 million for 2001-02.”*

“The Economic Impact of the University of Florida on the State of Florida”  
Office of the Provost

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## Sources of Florida's Research Dollars



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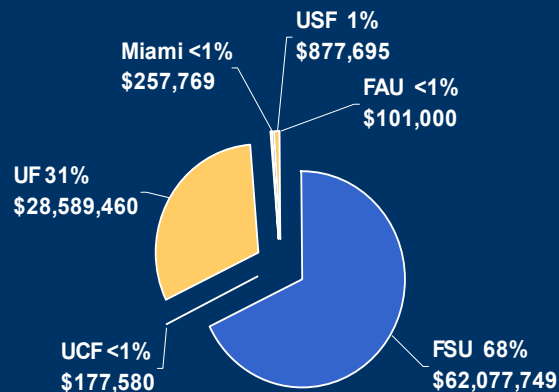
## Tech Transfer – Taxol and Gatorade

- Florida State University's cancer-fighting drug, "Taxol," has saved thousands of lives
- Taxol has generated \$204 million in support of research at FSU
- University of Florida's Gatorade – the world's first sports drink
- Gatorade has generated \$94 million for UF
- Technology transfer – promising ideas become profitable returns



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## Income from licenses and patents



2001 Licensing Income  
Florida Research Universities

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## **Universities on the Cutting Edge**

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- **Broad array of research capabilities**
- **New businesses, new high-paying jobs**
- **Gateway to the 21st century economy**

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## **University Centers of Excellence**

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- **Proposed by Governor Jeb Bush**
- **Sponsored by Senator Jim King and Senator Ron Klein in 2002 session**
- **\$30 million for the future**
- **Florida Technology Development Act**
- **Emerging Technology Commission**
- **17 proposals reviewed, three selected**

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## FAU Center of Excellence in Biomedical and Marine Biotechnology

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- Pursuing medicines from the sea – breakthroughs via marine research
- Employs state-of-the-art marine imaging and survey technology
- Draws on bioscience expertise throughout South Florida
- Partners with industry to develop drugs, medical procedures

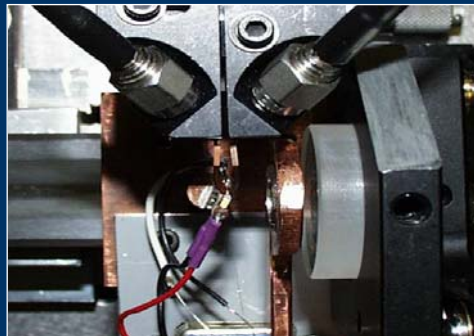


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## UCF Florida Photonics Center of Excellence

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- Pioneering work in optics and nanophotonics
- Links with existing industries in Orlando area
- Develops next-stage technologies for ultra-high bandwidth communications

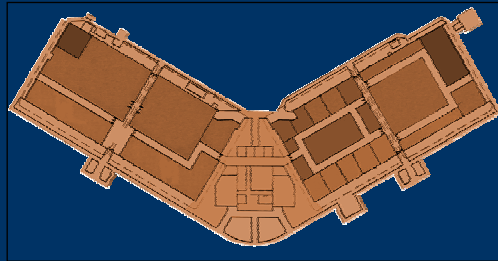


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## UF Center of Excellence in Regenerative Health Biotechnology

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- Focuses on cures and rehabilitation of diseases, injuries, infections and cancer
- Employs breakthrough technologies – gene therapy, tissue replacement, transplantation, biomaterials and vaccines



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## University Centers of Excellence

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- \$30 million in 2002
- No money in current budget
- \$20 million in SUS budget request
- Goal – sustained funding for new world-class centers every year

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## **Scripps Florida – Shaping Our Economic Future**

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**“Today is a defining moment in Florida’s future, and I thank the Legislature for daring to dream big, and for sharing a vision for a new Florida.**

**The opportunity Scripps brings to our state is unparalleled, and the Scripps partnership is unprecedented.”**

***Governor Jeb Bush  
November 3, 2003***

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## **Research & Economic Development**

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- **A priority for Board of Governors**
- **A priority of Florida’s Economic Strategic Plan**
- **SUPA opinion survey shows Floridians support university research**

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