

Florida Health Facts

- Heart disease is the leading cause of death in Florida, resulting in more than 30,000 deaths per year.¹
- Cancer kills more than 30,000 Floridians per year.¹
- Over 1.7 million adults are diagnosed annually with diabetes.¹
- About 450,000 adults are living with Alzheimer's disease²
- Health challenges include a high infectious disease rate.³

The University of South Florida benefits from National Institutes of Health (NIH) funding

- Important advancements in understanding the progression of Alzheimer's disease⁴
- A new cancer center that will engage the community in order to reduce cancer health disparities in minority populations⁵
- Developing new therapies to aid in recovery from a stroke⁵

NIH-funded research at Sanford Burnham Medical Research Institute

- Identification of a key protein that regulates muscle tone⁶
- Finding proteins that could provide new targets for treatment of type-2 diabetes⁶
- Identified a hormone that activates calorie burning tissue in mice and could help prevent obesity in humans⁶

Scripps Research Institute uses NIH dollars for research and innovation

- Identifying the underlying mechanisms of how chronic stress can result in later health problems such as miscarriages and cancer⁷
- Studying how chronic hepatitis C infection can induce liver cancer⁷
- Development of a potential new diabetes drug that has fewer side effects than existing therapies⁷

Growth of the biosciences cluster around Scripps

- Founded in 2006, the Torrey Pines Institute of Florida employs 87 people. Research areas include cancer, Alzheimer's disease and pain management⁸
- The Martin Memorial Health System complex is hosting multiple clinical trials for new therapies⁹
- The Vaccine and Gene Therapy Institute is building industry partnerships for a new HIV/AIDS vaccine¹⁰



National Cancer Institute



NIH funding supports research at the University of Miami

- Developed a new FDA-approved drug to treat lymphoma¹¹
- Pioneering new surgical methods for removing brain tumors¹¹
- Leading role in the development of a new oral therapy for multiple sclerosis¹¹
- Pioneering work improving transplant acceptance in diabetes patients¹²

Moffitt Cancer Center

- Holds the largest cancer-specific tissue specimen repository in the world¹³
- Finding biomarkers to develop personalized treatments for cancer¹³

NIH-funded research at the University of Florida

- Using naturally occurring chemicals derived from sea bacteria to develop a treatment for colon cancer¹⁴
- Developing a wash-resistant anti-bacterial coating for hospital bandages and bedding to prevent infection¹⁵
- \$26 million award to build a clinical and translational institute, to move research discoveries to new medical therapies¹⁴
- Developing methods to improve liver transplant success and aid in injury recovery in senior citizens¹⁴

1. [World Life Expectancy](#)
2. [Alzheimer's Association-Florida](#)
3. [America's Health Rankings-Florida](#)
4. [NIH RePORT](#)
5. [USF Health Press Release](#)

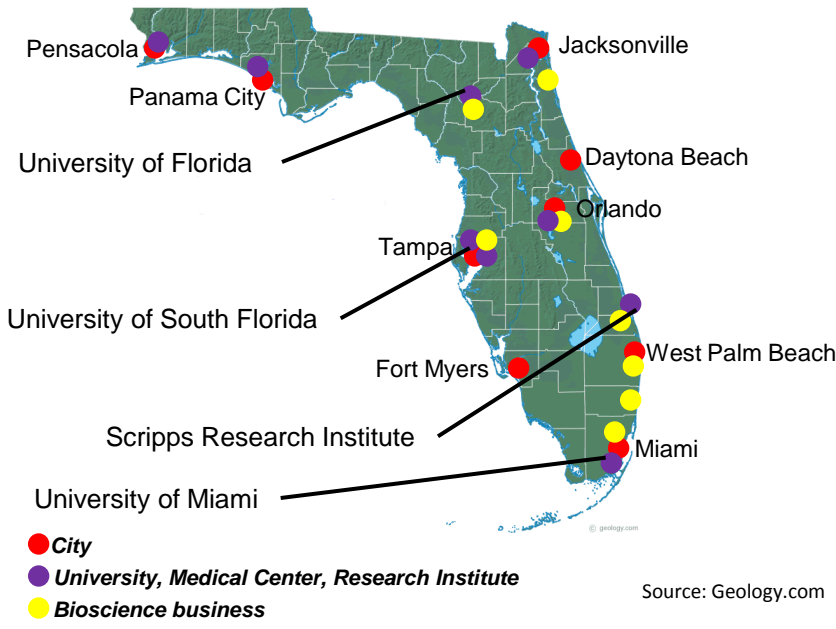
6. [Sanford Burnham Press Release](#)
7. [Scripps Research Press Release](#)
8. [Torrey Pines Institute](#)
9. [Martin Memorial Health System](#)
10. [VGTIFL Press Release](#)

11. [UM Press Release](#)
12. [Diabetes Research Institute Press Release](#)
13. [M2Gen.com biorepository](#)
14. [UF Press Release](#)
15. [Science Daily Videos](#)

Why is funding from the National Institutes of Health Important?

- ✓ **\$391 million in NIH funding supports more than 9,000 in-state jobs.¹**
- ✓ **Supports university, medical center and independent research institute studies**
- ✓ **Creates cures, prevention and treatments**
- ✓ **Builds the biosciences industry**
- ✓ **Keeps Florida competitive**

Bioscience Centers in Florida



Investing in Florida's Future

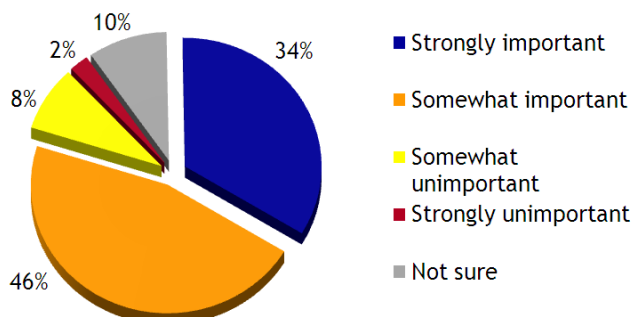
- The biosciences industry directly supports nearly 28,000 jobs in Florida.²
- Florida bioscience employees' average salary is more than \$55,000. The average salary for Florida workers is nearly \$40,000.³
- Florida bioscience firms received more than \$26 million in federal tax incentives and grants in 2010 to develop new therapies and health products through medical research.⁴
- Florida bioscience researchers received more than 3,100 patents from 2004 to 2009.¹
- Florida's biomedical research community conducted 895 clinical trials in 2009.¹

Sources: 2011 UMR Report¹; Palm Beach Post²; Department of Labor Stats³; [BusinessWire 2010](#)⁴

"With wise and sustained investment in our universities, in science, technology, engineering and medicine, the citizens of Florida can guide our state economy into a new era rich in opportunity and prosperity."
 –Sheila M. McDevitt, Chair of the State University System Board of Governors, WCTV news.

Research Spending Important to Florida's Economy

In terms of jobs and incomes, how important do you think spending money on scientific research is to Florida's economy?



Source: Florida Public Opinion Poll, September 2011, JZ Analytics for Research!America



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