

Biomedical Research Funding-at-a-Glance **Hawaii**



National Institutes of Health Funding for HAWAII¹

- In FY2016, Hawaii received 86 NIH-funded grants through normal appropriations process, totaling \$54,427,971.
- This represents an increase of \$6 million from FY2015 with 6 more grants.

National Science Foundation Funding for HAWAII²

- In FY2016, NSF provided 119 awards totaling over \$43,054,000.

NIH Helping Communities

What does NIH funding mean for the Hawaii economy?

- In FY2007, each NIH dollar invested in Hawaii generated \$1.98 in new state business activity³.
- In FY2016, the NIH supported \$153.6 million in economic activity and 1,044 jobs⁴.

Life Science Industry Impact

- There are 6,380 individuals employed in the life, physical, and social science occupations, with 80 directly employed at life scientists⁵.
- The annual average wage for a life scientist is \$86,440⁵.

Scientific developments made possible through NIH Funding

- Researchers at the University of Hawai'i and Oregon Health Sciences have discovered a new immune pathway that encourages cells to eliminate HIV⁶.
- University of Hawai'i will train undergraduates in high-throughput DNA sequencing and bioinformatics to study the origins of plant life⁷.
- The Zika virus will be imported to begin R&D for a potential vaccine, after two mothers in Hawaii were infected with the virus⁸.

"...a key element of our future life sciences industry will entail population studies where Hawaii can play a key role. The Aloha State could take part in pharmacological studies of drugs and vaccines...Clinical trials in Hawaii will put our state on the cutting edge of drug development. ⁹."

- J. David Curb, President and CEO of the Pacific Health Research Institute

205 businesses in the biopharmaceutical industry are impacted by NIH funding⁴

As of October 2016, there were 1,619 clinical trials in Hawaii¹⁰



¹All information current as of 7/2017, as stated at www.nih.gov

²All information current as of 7/2017, as stated at www.nsf.gov

³In Your Own Backyard: How NIH Funding Helps Your State's Economy, Families USA's Global Health Initiative, June 2008

⁴United for Medical Research Report, NIH bystate2016

⁵May 2015 State Occupational Employment and Wage Estimates Hawaii, Bureau of Labor Statistics

⁶Cellular Pathway Discovered That May Re-energize Immune Cells to Eliminate HIV, Tina Shelton 2016

⁷Undergraduates Arrive for NSF-funded Research Experiences, James T. Hall 2016

⁸UH Tropical Medicine Researchers Will Import Zika Virus to Begin Research and Development of Potential Vaccine, JABSOM News 2016

⁹Hawaii's Future Lies in Life Sciences, J. David Curb, Special to the Star-Bulletin 2005

¹⁰Clinicaltrials.gov, NIH 2016

