

FEDERAL INVESTMENT IN UC RESEARCH

University of California research stimulates the economy through the development of new technologies, leads to the creation of jobs, companies and industries, and advances scientific breakthroughs that benefit the entire world. This is possible because of the tremendous research expertise at UC and the partnership with the federal government. Robust and sustained investments in our research agencies are critical to ensuring that our nation's research enterprise can continue to lead the way for the next generation.

BREADTH OF UC RESEARCH



UC tackles some of the most urgent problems facing California and the world and creates knowledge that improves lives.

- More than 800 research centers, institutes, laboratories and programs
- 6 academic health centers and 20 health professional schools
- 41-site Natural Reserve System
- A Division of Agricultural and Natural Resources serving all of California's 58 counties
- 3 affiliate national laboratories – Lawrence Berkeley, Lawrence Livermore and Los Alamos

FEDERAL INVESTMENT IN UC RESEARCH



Federal funds are the University's single most important source of support for research, accounting for more than half of UC's total research awards.

- \$7.44B: Total amount of research awards in FY 2022
- \$3.97B: Total amount of federal research awards in FY 2022
- 10,151: Number of distinct federal research awards in FY 2022
- 8.5% of all U.S. academic research is conducted by UC researchers
- UC is awarded more National Institutes of Health and National Science Foundation funding than any other institution

UC Federal Agency Research Funding Awarded (Federal FY 2022 in millions of dollars)

NIH	\$2,560.17	NASA	\$156.59	Commerce	\$63.52	Interior	\$15.99
NSF	\$560.61	Energy	\$115.34	Other HHS	\$49.06	State	\$15.00
Defense	\$294.63	USDA	\$75.52	Education	\$26.56	Other agencies	\$35.69

FEDERAL INVESTMENT IN UC RESEARCH

TRAINING THE NEXT GENERATION



Much of UC's breakthrough research depends upon an unsung legion: graduate students. They crunch the data, conduct research, challenge the accepted and probe the possible.

- Graduate education and research at UC have long fueled California's innovation and development, helping establish California as the fifth-largest economy in the world
- Approximately 63,000 UC graduate students teach and mentor more than 230,000 undergrads
- UC graduate student work has led to inventions such as a smarter stethoscope and an app that provides early warning on earthquakes
- 22.1% of Berkeley Lab employees are student assistants, graduate research assistants or postdoctoral scholars

INNOVATION TO COMMERCIALIZATION



Many of California's leading industries grew from UC research, including biotechnology, computing, semiconductors, telecommunications and agriculture.

- 5: New inventions per day (average)
- 1,502: Startups from UC intellectual property/technology (through UC FY 2021)
- 1,718: Inventions disclosed (UC FY 2021)
- 13,308: Active US and foreign patents (UC FY 2021)
- 1,500+: Startups founded around UC inventions since 1980, with 85% based in California