

# UC Davis Research Brief: National Institutes of Health

**UC Davis is a powerhouse for breakthroughs and impact.** Our interdisciplinary research plays a vital role in building the region's economy. Our research contributes to our nation's global leadership in technology and innovation. Through collaboration between our top-ranked hospital and veterinary school, as well as our science and engineering discoveries, our research directly improves American lives.

**The National Institutes of Health** fosters discoveries and strategies to prevent disease, enhance health and reduce illness and disability. UC Davis was awarded \$276 million in NIH funding in 2024. UC Davis researchers have used NIH support to:

- Invent a [brain-computer interface](#) that translates brain signals into speech, restoring communication capabilities for people who can't speak due to paralysis caused by a variety of illnesses
- Develop a landmark form of surgery to [treat spina bifida](#), a disease that can lead to lifelong cognitive, mobility, urinary and bowel disabilities
- Create a cure for retinal vein occlusion, a common form of blindness affecting more than 1.6 million Americans, using stem-cell therapy
- Advance stem-cell therapy that could [eliminate HIV from the body](#), treat Huntington's disease and address other disorders
- Create a total-body, highly [accurate, low-cost scanner](#) to detect cancerous tumors and develop [precision, fluorescence-based surgical tools](#) to remove tumors
- Advance understanding of the [early stages of Alzheimer's disease](#), which affects nearly 7 million people in the United States, to identify effective new treatments
- Provide vital support in 2024 for 310 UC Davis graduate student and 161 post-doctoral researchers, individuals who will carry today's discoveries forward

# **UC Davis Research Brief:**

## **National Institutes of Health (cont'd)**

### **UC Davis Drives Economic Growth**

- Supports \$2 billion in California economic activity and nearly 10,000 jobs
- 1,290 active patents
- 119 startups launched in last decade
- \$15 million in annual licensing, royalties and fees

### **Preparing the Future Workforce**

Federal funding also plays a critical role in strategic preparations for the next generation of leaders, innovators and scientists. Agencies partner with UC Davis to offer workforce and career training in:

- Software security
- Advanced cell and gene therapy manufacturing
- Neuroengineering
- Plant breeding

### **A Cost-Efficient Model**

The longstanding federal-university partnership leverages UC Davis expertise and state-of-the-art resources to generate new technologies and well-paying jobs, proving to be the most productive research model in the world.

Key facts on Facilities and Administration (F&A) costs:

- Current F&A rates do not cover all university costs
- F&A costs are not incidental—they are critical to conducting research
- F&A costs are essential to ensure safety in clinical and animal research

For more on F&A myths and facts,

visit: <https://research.ucdavis.edu/3-things-to-know-about-indirect-costs-aka-fa/>