Innovation at Work
California

Total Direct and Indirect Economic Output of the Biopharmaceutical Sector
$243.8 billion

Total Employment Supported by the Biopharmaceutical Sector
851,563

A majority of Americans agree that even if it brings no immediate benefits, basic scientific research that advances the frontiers of knowledge is necessary and should be supported by the federal government.

Total NIH Award Funding (FY16)
76%
$3,686 million

We are witnessing an accelerated understanding of basic biological mechanisms that will lead to revolutionary new approaches to treat and prevent disease... Federal investment is the building blocks for long-term, transformative scientific discoveries.”

Local Perspective: San Francisco, CA
Keith Yamamoto, Ph.D., Vice Chancellor for Science Policy and Strategy; Vice Dean for Research, School of Medicine, University of California, San Francisco

Californians who died from Cardiovascular Disease in 2014
78,000

Research in the Golden State

The Salk Institute of Biological Sciences, University of California, San Diego (UCSD), and Nimbus Therapeutics, La Jolla, CA
In a National Institutes of Health (NIH) and Department of Defense (DoD)-funded collaboration between the Salk Institute, UCSD and Nimbus Therapeutics, researchers are working to develop a new treatment to inhibit cancer growth by interrupting an enzyme vital to lipid synthesis.

University of California, Berkeley, Berkeley, CA
The National Science Foundation (NSF) is funding researchers at UC Berkeley who are investigating the role of cilia, hair-like structures on gut cells, in the relationship between bacteria and the body. Researchers hypothesize that cilia impacts the ability of bacteria to cause infections, illuminating a potential new avenue for therapeutics.

Eli Lilly and Company, Sacramento, Imperial, Los Angeles, CA
Eli Lilly and Company is conducting phase III clinical trials to evaluate the effectiveness of a new drug in preventing migraines, which affects over 12% of adults in the U.S.

Sources: National Institutes of Health, Pharmaceutical Research and Manufacturers of American (PhRMA), Centers for Disease Control and Prevention, A ResearchAmerica Survey of U.S. Adults Conducted in Partnership with Zogby Analytics in June 2016, ClinicalTrials.Gov, The Salk Institute, National Science Foundation.