



The State of California
employs
1.4 million
people in total jobs
attributable to the Life
Science Industry (direct/
indirect/induced)



\$4.59 billion
in research funding from
National Institutes of Health
(NIH) for FY2019



15,341
Life Science
establishments

THE IMPACT OF LIFE SCIENCE IN CALIFORNIA

California's Life Science Industry directly provides 481,888 direct jobs statewide, with an average annual earnings of \$117,333. Total jobs in the state (direct/indirect/induced) was 1,415,804 in 2019 and economic activity generated \$372B. The strongest related occupations are Medical Scientists and General Biologists.

Annual Economic Impact

	IMPACT
Economic Activity	\$372B
Market Value of Goods & Services	\$211.5B
Total Jobs (direct/indirect/induced)	1,415,804
Labor Income (salaries/wages/benefits paid)	\$115B

NIH Funding

California received more than \$4.59B in NIH funding in fiscal year 2019, driving the incredible pace of innovation in the state in the Life Sciences industry, more than any other state by at least 25%. The top five award recipients in FY2019 were University of California, San Francisco (UCSF), Stanford, University of California, San Diego (UCSD), University of California, Los Angeles (UCLA) and University of Southern California (USC).

Source: NIH (4/2020)

Subsector Employment & Establishments

	Employment in 2019	Establishments
BioRenewables Includes biofuels, specialty enzymes and chemicals, algae research, and key elements of agriculture.	30,686	1,528
Biopharmaceutical Manufacturing The production of medicines, botanicals, pharmaceuticals, in-vitro diagnostic substances, and biological products.	47,415	678
Medical Devices & Diagnostic Equip Laboratory equipment and supplies, optical instruments, electromedical apparatus, surgical and medical instruments, dental equipment and dental product producing laboratories.	89,731	2,441
Life Science Wholesale Wholesaling and distributing medical equipment and supplies, and the wholesaling of pharmaceuticals and related products.	59,517	4,510
Research & Lab Services R&D in biotechnology, related areas of nanotechnology, medical laboratories, and portions of industries representing testing laboratories, other R&D services, and higher education.	254,539	6,184

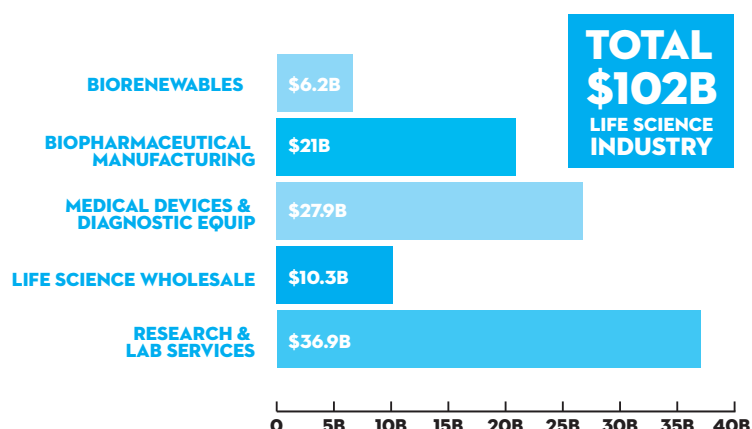
'Establishment' refers to an individual facility/physical location.
Some firms have multiple locations, which would each be counted separately.

BIOCOM'S 2020 CALIFORNIA ECONOMIC IMPACT REPORT: CALIFORNIA

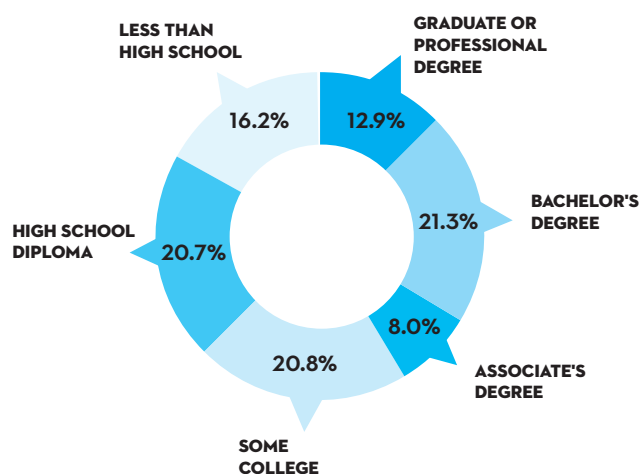
Subsector Average Wage

BIORENEWABLES	BIOPHARMACEUTICAL MANUFACTURING	MEDICAL DEVICES & DIAGNOSTIC EQUIP	LIFE SCIENCE WHOLESALE	RESEARCH & LAB SERVICES	ALL LIFE SCIENCES
\$48,764	\$194,466	\$134,885	\$134,337	\$101,068	\$117,333

Foreign Exports of Life Science Products



Educational Attainment



For full report visit: www.biocom.org/eir

Biocom is the leader and advocate for California's life science sector. We work on behalf of more than 1,300 members to drive public policy, build an enviable network of industry leaders, create access to capital, introduce cutting-edge STEM education programs, and create robust value-driven purchasing programs. Founded in 1995 in San Diego, Biocom provides the strongest public voice to research institutions and life science companies that fuel the local and state-wide economy. Our goal is simple: to help our members produce novel solutions that improve the human condition. In addition to our San Diego headquarters, Biocom operates core offices in Los Angeles and the San Francisco Bay Area, satellite offices in Washington, D.C. and Tokyo, and has a continuous staff presence in Sacramento. Our broad membership benefits apply to biotechnology, pharmaceutical, medical device, genomics and diagnostics companies of all sizes, as well as to research universities and institutes, clinical research organizations, investors and service providers.

This is a condensed summary of Biocom's 2020 California Economic Impact Report produced by Biocom and Clower & Assoc.

For the full report please visit our website: www.biocom.org/eir

The 2020 Databook used the same industry and cluster categories as the 2019 Databook, however, comparisons with data from years before 2019 should be made with caution due to changes in industries definitions, analytical assumptions, and data sources. At the time this data is being prepared, the impact of the global pandemic of COVID-19 is unknown and we must caution readers to consider how current and near-term economic conditions may influence future industry growth.