



2020 CALIFORNIA ECONOMIC IMPACT REPORT CITY OF LOS ANGELES



\$885.6 million
in research funding from National Institutes of Health (NIH) for FY2019



\$82,399
Average annual earnings in City of Los Angeles for the Life Science industry



499
Life Science establishments

THE IMPACT OF LIFE SCIENCE IN THE CITY OF LOS ANGELES

The City of Los Angeles' Life Science industry directly employed 21,508 people in 2019 with average annual earnings of \$82,399. Total jobs in the region (direct/indirect/induced) was 34,270 in 2019 and economic activity generated \$6.88B. There was solid job growth in Life Sciences Wholesale Trade and Research and Laboratory Support clusters between 2014 and 2019. The City of Los Angeles possesses substantial advantages, especially driven by key universities and research institutes. This allows the City to "punch above its weight" in attracting NIH funding, at almost \$886 million in FY2019, and being the region of record for more than \$3.6 billion in foreign exports of Life Sciences products and services.

Annual Economic Impact

	IMPACT
Economic Activity	\$6.88B
Market Value of Goods & Services	\$3.78B
Total Jobs (direct/indirect/induced)	34,270
Labor Income (salaries/wages/benefits paid)	\$2.4B

NIH Funding

California received more than \$4.59B in NIH funding in fiscal year 2019 with \$885.6M flowing to City of Los Angeles' universities, labs and companies to support research in the life sciences industry. Two of the top five recipients in California were from City of Los Angeles: 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.	200	10
Biopharmaceutical Manufacturing The production of medicines, botanicals, pharmaceuticals, in-vitro diagnostic substances, and biological products.	1,186	15
Medical Devices & Diagnostic Equip Laboratory equipment and supplies, optical instruments, electromedical apparatus, surgical and medical instruments, dental equipment and dental product producing laboratories.	436	77
Life Science Wholesale Wholesaling and distributing medical equipment and supplies, and the wholesaling of pharmaceuticals and related products.	2,342	184
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.	17,344	213

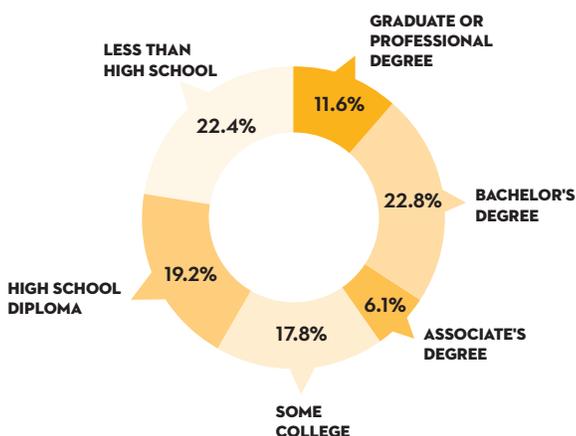
*Establishment refers to an individual facility/physical location. Some firms have multiple locations, which would each be counted separately.

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

Subsector Average Wage

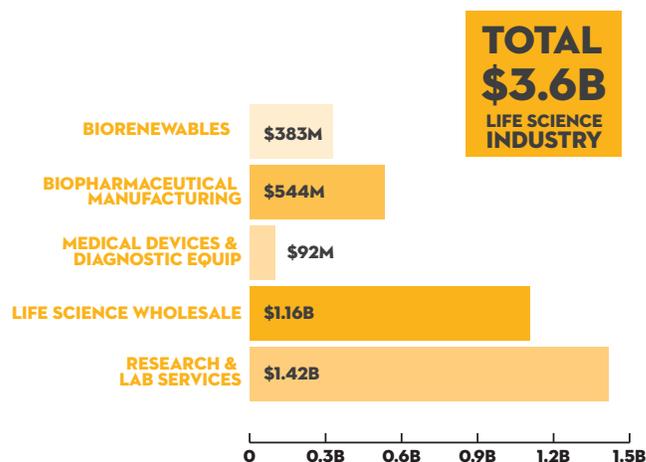
	BIORENEWABLES	BIOPHARMACEUTICAL MANUFACTURING	MEDICAL DEVICES & DIAGNOSTIC EQUIP	LIFE SCIENCE WHOLESALE	RESEARCH & LAB SERVICES	ALL LIFE SCIENCES
City of Los Angeles	\$65,039	\$112,526	\$73,548	\$90,391	\$79,682	\$82,399

Educational Attainment*



*2017 most recent available data, Population aged 25+

Foreign Exports of Life Science Products



Life Science Innovation Companies

City of Los Angeles has 134 Life Science Innovation Companies.

	COMPANY COUNT
BioRenewables	1
Biopharmaceutical Manufacturing	15
Medical Devices & Diagnostic Equip	12
Research & Lab Services	106

Life Science Innovation Company refers to the unique company count in the most innovative sectors of the life science industry. These sectors include industrial biotechnology & biofuels, biopharmaceuticals, medical devices & diagnostics equipment, and research & lab services. This should not be confused with 'Establishments' which includes all physical locations of each company in the region in all industry subsectors.

For more information, refer to Appendix 3 of Biocom's 2020 California Economic Impact Report Databook.

Advocacy Roots

Biocom was founded 25 years ago to educate elected officials about water needs of the life science industry; constant, reliable access is necessary to carry out delicate research processes. We continue to advocate for dependable utility access, land use incentives, and consistent permitting processes for our members in Los Angeles. Our policy work in the region also includes advocacy for business tax relief, expanded transportation networks, and the building of middle-income housing, as these issues become increasingly more important for employee attraction and retention throughout the region.

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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.

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

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.