

# 2014-2015

Highlights

# Berkeley Research

UNIVERSITY OF CALIFORNIA



## Innovation and Entrepreneurship

In recent years, UC Berkeley has accelerated the translation of ideas and inventions developed by faculty, researchers, and students into products and services that benefit society.

- To date over **170 start-up companies** have been founded to commercialize IP rights under license from UC Berkeley.
- A 2014 survey of 66 start-ups that licensed technology from UC Berkeley showed they generated \$195 million in revenue and raised \$1.6 billion in VC funding, employing thousands of Californians.
- A survey of 2,610 firms started by UC Berkeley affiliates found they accounted for 542,433 jobs in 2014 with a high concentration in the state of California.
- A drug royalty, monetized for **\$87.5 million**, helps fund biological research facilities, students, faculty recruitment and retention, and new initiatives.
- UC Berkeley is **1 of 5 universities** that founded two-thirds of all biotechnology companies in California.

UC Berkeley has a long legacy of innovations and leaders that have created groundbreaking products, revolutionary companies, and entirely new industries. The University plays a critical role in California's economy. Last year the campus continued to expand the dynamic ecosystem that fosters research and its translation into real world applications. As of June 2014, UC Berkeley owned:

TOTAL ACTIVE INVENTIONS

1,530

ACTIVE LICENSE AGREEMENTS

344

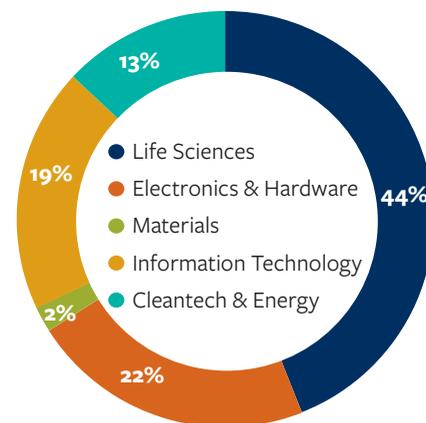
ACTIVE US PATENTS

687

ACTIVE FOREIGN PATENTS

610

## Distribution of UC Berkeley Startup Companies



June 2015

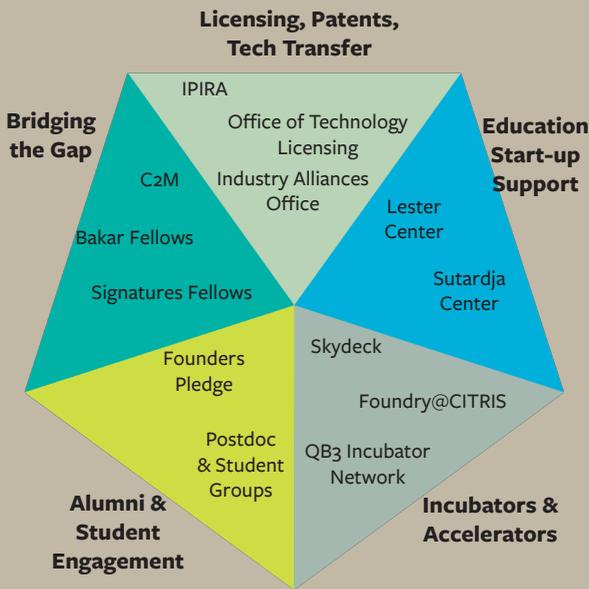
## Developing Entrepreneurial Talent

According to several recent surveys UC Berkeley continues to be one of the leading universities to produce successful entrepreneurs. In 2014,

**Pitch Book** ranked the top 50 universities that produced VC-backed entrepreneurs on a global basis — and UC Berkeley came in **second among all research universities**, before Harvard, MIT, Columbia and others.

**CrunchBase** published a survey ranking UC Berkeley **among the top three universities** from which the most successful company founders in the US had graduated.

## A Vibrant Ecosystem



In 2014/15 UC Berkeley's ecosystem of campus programs devoted to fostering innovation and entrepreneurship among students, faculty, and researchers continued to expand. As of summer 2015 the campus accelerator Skydeck had supported close to 70 start-up teams. 16 companies had completed the Foundry@CITRIS program raising more than \$22M in follow-on funding. The Institute for Quantitative Biosciences (QB3) was successful in raising a second round of venture funding for biotech start-ups totaling \$25 million.

### Success with Founders' Pledge



In May 2015, the Berkeley Founders' Pledge hosted over 250 alumni in downtown San Francisco. To date close to 150 company founders have used the Founders' Pledge to promise philanthropic support to the campus.

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### EARLY CAREER FACULTY

## Bakar Fellows Program

The Bakar Fellows Program supports faculty transitioning projects from the research lab to the marketplace. To date 21 Fellows have been selected in diverse fields including Engineering, Computer Sciences, Chemistry, Biological and Physical Sciences. As of June 2015, five associated start-ups had raised nearly \$30 million.



Bakar Fellow Amy Herr (left) works on new screening strategies to detect cancer; John Dueber (center) is creating a new approach to textile dyes that could transform the jeans industry; and Daniela Kaufer (right) is developing a new technique to help prevent epilepsy.

### DATA SCIENCE AND SOFTWARE

## Signatures Innovation Fellows

Established in Spring 2015 with the support of Bobby Yazdani, the Signatures Innovation Fellows Program supports innovative research by UC Berkeley faculty and researchers in the data science and software areas with a special focus on projects that hold commercial promise. The inaugural Fellows selected for 2015/16 are Alexei Pozdnukhov in Engineering (top right), who works on urban mobility analytics; and Jasjeet Sekhon (Political Science and Statistics), who is creating a new platform for the design and implementation of randomized field experiments used in public opinion and election research.



## Companies Founded by UC Berkeley Faculty and Alumni

Steve Wozniak of Apple, Gordon Moore of Intel and Eric Schmidt of Google are among the many UC Berkeley alumni who have founded and run successful corporations. Other prominent companies founded by UC Berkeley affiliates:

- Amyris
- Apple
- Cadence Design
- Chernin Entertainment
- Exelixis
- Gap
- Google Earth
- Intel
- Kaiser Permanente
- Marvell
- Mendel Biotechnology
- National Semiconductor
- PowerBar
- Red Octane
- Renaissance Technologies
- Revolution Foods
- Rodarte
- SanDisk
- Sun Microsystems
- Tesla