

## Biotechnology Medical Breakthroughs

### California Biotechnology: Fast Facts

2,300 biotechnology-related patents were granted between the years 2004 - 2009.

### Latest Biotech Medicine Needs New Safety Rules

In an effort to reduce costs, the federal government is promoting the use of generic biologic medications, called biosimilars, which could result in significant unexpected or harmful clinical outcomes for patients. [Read more.](#)

### UCSF Researchers Identify Promising New Treatment for Childhood Leukemia

Researchers at UC San Francisco have discovered an experimental drug that can alleviate symptoms of a rare form of childhood leukemia and could drive development of new leukemia therapies. [Read more.](#)

### FDA Approves Two Treatments for Pancreatic Cancer

The U.S. Food and Drug Administration is recommending the approval of two cancer drugs from Pfizer and Novartis for treating a rare type of pancreatic cancer. [Read more.](#)

### Researchers Reprogram Skin Cells from Parkinson's Patient

Researchers at Stanford University were able to reprogram skin cells from a patient with Parkinson's disease into an embryonic state and then convert them into neurons in order to study damaged cells directly. [Read more.](#)

### Stem Cell Study to Target Patients at Risk for Limb Amputations

Scientists at the UC Davis Vascular Center are studying the effectiveness of stem cells derived from a patient's bone marrow in preventing leg amputations due to critical limb ischemia, diabetes and other vascular diseases. [Read more.](#)

## IN THIS REPORT...

[Biotechnology Medical Breakthroughs >>>](#)

[Biotechnology Economic Contributions >>>](#)

[Biotechnology Workforce Development >>>](#)

[Member Spotlight >>>](#)

[California Biotechnology Social Media Program >>>](#)

[Calendar >>>](#)

## Biotechnology Economic Contributions

### California Biotechnology: Fast Facts

California's biotechnology companies generated \$114 billion dollars in revenue in 2009.

### Challenges and Opportunities Facing US Manufacturers

[Watch a "View from the Top"](#) interview with Ted Fogliani, President and CEO of San Diego-based Outsource Manufacturing, where he discusses keeping jobs in the United States and his predictions on future growth in the manufacturing sector.

## Biotechnology Workforce Development

### California Biotechnology: Fast Facts

California's biotech companies paid their employees \$19.4 billion in wages and salaries in 2009.

### Workforce Development Spotlight: Biotech Partners

Established in 1993, Biotech Partners is an award winning non-profit organization that helps underserved minority, female and low-income youth successfully navigate the worlds of work, school and life while training them for well-paid technical positions in bioscience-related industries and preparing them for higher education. Biotech Partners combines a specialized curriculum with paid internships for its high school and community college participants. The power of this approach is proven with:

- 100 percent graduation rate
- 97 percent of high school graduates pursue post-secondary education
- 100 percent job placement rate following completion of community college component

Biotech Partners is a collaboration between multiple school districts and over 35 biotechnology, healthcare, and science-based organizations in the Bay Area including Bayer HealthCare, Novartis AG, and Amgen, Inc. For more information visit: [www.biotechpartners.org/](http://www.biotechpartners.org/)

### Biotechnology Spotlight: DiversityInc's 2011 Top 10 Companies for Asian Americans & Women

California's biotech industry understands better than any other industry that a diverse workforce is essential to the ultimate success of the entire organization. Biotech companies dedicate extensive time and resources to provide education and training to historically underserved populations. Included in this year's Top 10 Companies for Asian Americans were Johnson & Johnson and Abbott. In addition, Johnson & Johnson was named in the Top 10 Companies for Women Executives. For more information about the DiversityInc Top Companies lists go to [www.diversityinc.com](http://www.diversityinc.com).

### California Biotechnology Foundation Workforce Guide

Be sure to check out the [CBF Workforce Guide](#) for a comprehensive inventory of statewide biotech-sponsored workforce development programs. To request a copy, contact Patty Cooper at [patty.cooper@cabiotech.org](mailto:patty.cooper@cabiotech.org).

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## Member Spotlight

### Life Technologies

With its headquarters in Carlsbad, CA and major facilities in the Bay Area, Life Technologies Corporation is a global biotechnology company dedicated to improving the human condition. The company manufactures both molecular diagnostic and research use only products. Life Technologies industry-leading brands are found in nearly every life sciences lab in the world. The company's systems, consumables and services enable researchers to accelerate scientific and medical advancements that make life even better.

Life Technologies has a California workforce of approximately 3,400, a presence in approximately 160 countries, and possesses one of the largest intellectual property estates in the life sciences industry, with approximately 3,900 patents and exclusive licenses.

In 2010, employees throughout the organization volunteered more than 36,000 hours to help their communities, highlighted by the company's annual Global Volunteer Day in May, where employees volunteer and help make a difference.

For more information about Life Technologies, visit: <http://www.lifetechnologies.com> or follow Life Technologies on Twitter @LIFECorporation and on Facebook.

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## California Biotechnology Social Media Program

### Social Media Recommendations

Below is a list of platforms to consider utilizing for regular industry facts, news and medical breakthroughs:

- Follow San Jose Bio Center's tweets: @BioCenter. This Twitter account provides regular updates on the San Jose BioCenter's (BioCenter) developments. The BioCenter is a state-of-the-art facility equipped with wet laboratory and office space that provides world class business and facility services to high potential life science, nanotech and cleantech companies.
- Pfizer on Facebook: <http://www.facebook.com/Pfizer>. This is the official Facebook page for Pfizer Inc. Consistent with their responsibility as the world's leading biopharmaceutical company, Pfizer also collaborates with health care providers, governments and local communities to support and expand access to reliable, affordable health care around the world.
- Bay Bio's YouTube Channel: <http://www.youtube.com/user/BayBioVideos>. This channel features video related to biotechnology, life sciences, medical devices, biology, science and Northern California. Bay Bio supports Northern California's life sciences community through advocacy, enterprise support and the enhancement of research collaboration.
- Xconomy | San Diego Blog on business and technology: <http://www.xconomy.com/san-diego>. Xconomy is dedicated to providing business and technology leaders with timely, insightful, close-to-the-scene information about the local personalities, companies, and technological trends that best exemplify today's high-tech and biotech economy.

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## Calendar

### April 27, 2011 - Health Crisis in Underserved Communities Forum

The Latino Community Development Foundation, led by former-Assemblymember Joe Coto along with the New America Foundation, will sponsor a forum in Sacramento called *The Health Crisis in Underserved Communities: Significant Progress and Challenges Yet Unmet*. Mr. Coto will be joined by the chairs of the Assembly and Senate Health Committees, the Vice-Chair of the Latino Caucus and key members of Governor's Healthcare Team. The event will be held from 2 p.m. - 7 p.m. at the Sheraton Grand Hotel, 1230 J Street, Sacramento, CA. For more information contact: Mike Welch at [mikewelch@lcdf.org](mailto:mikewelch@lcdf.org).

### May 12, 2011 - California Society for Biomedical Research Annual Recognition Dinner

Join CSBR for its annual awards dinner, which supports its mission in promoting understanding and support for biomedical research and scientific discovery among K-12 students. Donations and sponsorships are tax-deductible and all net proceeds directly fund these initiatives. The event is from 6 p.m. - 9:00 p.m. at the InterContinental Hotel, 888 Howard Street, San Francisco. For more information contact: Desiree Sutton at [dsutton@ca-biomed.org](mailto:dsutton@ca-biomed.org).

June 6, 2011 - BIOCOM's Annual "Celebration of Life"  
Dinner

Join BIOCOM as they highlight the many achievements of the life sciences industry at their 8th Annual "Celebration of Life" dinner to honor those who lead the charge and whose dedication improves the life of patients around the world. From 4:30 p.m. - 8:30 p.m. at the Hilton La Jolla Torrey Pines, 10950 N. Torrey Pines Rd., La Jolla, CA. For more information contact Shaye Exner at [shaye.exner@biocom.org](mailto:shaye.exner@biocom.org).

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## Thank You

Thank you for reading this edition of the *California Biotechnology News Update*. Be sure to check out the CBF website at [www.cabiotech.org](http://www.cabiotech.org) for the latest news and information regarding California's biotechnology industry.

Sincerely,  
Patty Cooper  
California Biotechnology Foundation