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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of  
The Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported)**  
**July 20, 2012**

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**Pacific Biosciences of California, Inc.**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-34899**  
(Commission  
File Number)

**16-1590339**  
(IRS Employer  
Identification No.)

**1380 Willow Road**  
**Menlo Park, California 94025**  
(Address of principal executive offices, including zip code)

**(650) 521-8000**  
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**ITEM 5.02. DEPARTURE OF DIRECTORS OR CERTAIN OFFICERS; ELECTION OF DIRECTORS; APPOINTMENT OF CERTAIN OFFICERS; COMPENSATORY ARRANGEMENTS OF CERTAIN OFFICERS**

On July 20, 2012, the board of directors (the “Board”) of Pacific Biosciences of California, Inc. (the “Company”) appointed David Botstein, Ph.D., 69, as a Class III director to serve on the Board effective immediately.

Dr. Botstein currently serves as the Director of the Lewis-Sigler Institute for Integrative Genomics and Anthony B. Evnin Professor of Genomics at Princeton University where he has served since 2003. From 1990 to 2003, Dr. Botstein was Chairman of the Department of Genetics at Stanford University. He previously served as Vice President for Science at Genentech, and today serves on Genentech’s Scientific Resource Board and is a member of the National Academy of Sciences and the Institute of Medicine. Dr. Botstein holds a Ph.D. in Human Genetics from the University of Michigan and an A.B. in Biochemical Sciences from Harvard.

As previously disclosed in the Company’s proxy statement for the 2012 Annual Meeting of Stockholders, as a non-employee director, Dr. Botstein will receive an annual retainer of \$35,000. Pursuant to the Company’s outside director equity compensation policy, Dr. Botstein was automatically granted a stock option to purchase 35,000 shares of the Company’s common stock on the date of his appointment to the Board.

**ITEM 7.01. REGULATION FD DISCLOSURE**

On July 23, 2012, the Company issued a press release announcing the appointment of Dr. Botstein to the Board. A copy of the press release is included as Exhibit 99.1. This information is intended to be furnished under Item 7.01 of Form 8-K and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

**ITEM 9.01. FINANCIAL STATEMENTS AND EXHIBITS**

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press release dated July 23, 2012 titled “Pacific Biosciences Names David Botstein, Ph.D. to its Board of Directors” (furnished and not filed herewith solely pursuant to Item 7.01).



**EXHIBIT INDEX**

Exhibit  
No.

Description

99.1 Press release dated July 23, 2012 titled "Pacific Biosciences Names David Botstein, Ph.D. to its Board of Directors" (furnished and not filed herewith solely pursuant to Item 7.01).



## NEWS RELEASE

**Pacific Biosciences Names David Botstein, Ph.D. to its Board of Directors**

**MENLO PARK, Calif., — July 23, 2012** — Pacific Biosciences of California, Inc. (NASDAQ:PACB) provider of the PacBio® RS High Resolution Genetic Analyzer, today announced the appointment of David Botstein, Ph.D., Director of the Lewis-Sigler Institute for Integrative Genomics and Anthony B. Evnin Professor of Genomics at Princeton University, to its Board of Directors.

Dr. Botstein has served in his current role at Princeton since 2003. From 1990-2003 he was Chairman of the Department of Genetics at Stanford University. Previously, he was Vice President for Science at Genentech, and today serves on Genentech's Scientific Resource Board. He is a member of the National Academy of Sciences and the Institute of Medicine, and has received numerous awards for his achievements in science.

Dr. Botstein has made fundamental contributions to modern genetics, including the discovery of many yeast and bacterial genes and the establishment of key techniques that are commonly used today. In 1980, Botstein and three colleagues proposed a method for mapping genes that laid the groundwork for the Human Genome Project.

“We are moving toward an exciting era where the cost of producing sequencing information is going down, and now the emergence of the high-quality, multi-kilobase sequence will be a *double* game changer,” said Dr. Botstein. “Even with today’s advanced sequencers, a lot of good biology is being left on the table because we cannot fully assemble genomes for the many organisms for which there is no reference, or because we are missing difficult to sequence regions of critical variation. Pacific Biosciences’ long-read technology offers the field something that currently does not otherwise exist — the ability to create high quality *de novo* assemblies, improve re-assemblies for complex organisms, and understand DNA modifications within sequences.”

Michael Hunkapiller, Chairman and Chief Executive Officer of Pacific Biosciences added, “David and I have a long history of collaboration based on our mutual interest in driving critical technologies that can open new avenues of scientific exploration. I am honored that he has accepted this position and is interested in being closely involved in ensuring the success of our Single Molecule, Real-Time technology in the research markets.”

For more information about Pacific Biosciences, please visit [www.pacb.com](http://www.pacb.com), or follow us on Twitter: <https://twitter.com/pacbio>.

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**About Pacific Biosciences**

Pacific Biosciences of California, Inc. (NASDAQ: PACB) offers the PacBio® RS High Resolution Genetic Analyzer to help scientists solve genetically complex problems. Based on its novel Single Molecule, Real-Time (SMRT®) technology, the company's products enable: targeted sequencing to more comprehensively characterize genetic variations; *de novo* genome assembly to more fully identify, annotate and decipher genomic structures; and DNA base modification identification to help characterize epigenetic regulation and DNA damage. By providing access to genetic information that was previously inaccessible, Pacific Biosciences enables scientists to increase their understanding of biological systems.

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