FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington,	D.C.	20549	

OMB APPROVAL

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## Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

	2. Issuer Name and Ticker or Trading Symbol PACIFIC BIOSCIENCES OF CALIFORNIA, INC. [ PACB ]  3. Date of Earliest Transaction (Month/Day/Year) 08/13/2014  4. If Amendment, Date of Original Filed (Month/Day/Year)						)	(Check	orall app Direct Office below vidual o	olicable) etcr er (give title v) r Joint/Group	10% Owner Other (specify below)  Distribution Filling (Check Applicable Reporting Person		
										Pers	on		
lon-Deriva	tive S	ecurities	Acc	uired,	Dis	posed of	f, or I	Bene	ficially	Owne	ed		
Date	e Execution Execution if any		Oate,	3. Transaction Code (Instr. 8)						Securi Benefi Owned Repor	ities icially d Following ted	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	٧	Amount (A		or P	rice	Transaction(s) (Instr. 3 and 4)			. ,
08/13/2	2014			р		29,435	1	A \$	4.9252	5,3	346,121	I	MDV VII LP, nom for MDV VII LP, MDV VII Leaders' Fund LP, MDV ENF VII (A) LP, and MDV ENF VII (B) LP(1)
										wned			
emed 4 tion Date, T	ransacti	nsaction de (Instr.  5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercis. Expiration Date (Month/Day/Yea		able and 7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)  Amou		8. Pr Deri Seci (Inst	vative urity	derivative Securities Beneficially Owned Following Reported	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
	2. Transact Date (Month/Date (Month/Date (Month/Date (Month/Date (e.g., put letion Date, h/Day/Year)	Non-Derivative Sec (e.g., puts, cal emed thion Date, h/Day/Year)  PACCAI  3. Date 08/13  4. If Ar  08/13/2014  4. Transaction Date, h/Day/Year)  4. Transaction Date, h/Day/Year)	Non-Derivative Securities A (e.g., puts, calls, warra emed thion Date, h/Day/Year)  PACIFIC BIG CALIFORN  3. Date of Earliest 08/13/2014  4. If Amendment, If Execution If any (Month/Day)  1. Derivative Securities A (e.g., puts, calls, warra of Code (Instr. 8)  4. Transaction If any (Month/Day)  2. Transaction Execution If any (Month/Day)  2. Transaction If any (Month/Day)  2. Transaction Date (Month/Day)  3. Date of Earliest 08/13/2014  4. If Amendment, If Day (Month/Day)  1. If Amendment, If Day (Month/Day)  2. Transaction Date (Month/Day)  2. Deemed Execution If any (Month/Day)  3. Date of Earliest 08/13/2014	Non-Derivative Securities Acquired (e.g., puts, calls, warrants, h/Day/Year)  PACIFIC BIOSC CALIFORNIA, J  3. Date of Earliest Transcoble/13/2014  4. If Amendment, Date of Execution Date, if any (Month/Day/Year)  1 - Derivative Securities Acquired (e.g., puts, calls, warrants, emendation Date, h/Day/Year)  4. Transaction Code (Instr. 8)  5. Number of Derivative Securities Acquired (A) or Disposed of (Dr.) (A) or Disposed of (Dr.) (Dr.	PACIFIC BIOSCIENC CALIFORNIA, INC. [  3. Date of Earliest Transaction (No 8/13/2014  4. If Amendment, Date of Origina  2. Transaction Date (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  2. Transaction Date (If any (Month/Day/Year))  2. Transaction Date (If any (Month/Day/Year))  3. Transaction Code (Instr. 8)  Code  4. Transaction Code (Instr. 8)  5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  Date	PACIFIC BIOSCIENCES CALIFORNIA, INC. [ PAC  3. Date of Earliest Transaction (Month/ 08/13/2014  4. If Amendment, Date of Original Filed  2. Transaction Date (Month/Day/Year)  2. Transaction Execution Date, if any (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date, if any (Month/Day/Year)  Code V  1 - Derivative Securities Acquired, Dispoce (e.g., puts, calls, warrants, options, compared thion Date, h/Day/Year)  4. Transaction Code (Instr. 8)  5. Number of Derivative Securities Acquired (A) or Derivative Securities Acquired (Month/Day/Year)  6. Date Expiration Date (Month/Day/Year)  6. Date Expiration Date (Month/Day/Year)  9. 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Transaction (Date (Instr. R))  Code (Instr. R)  Code (Instr. R)  Code (Instr. R)  1. Derivative Securities Acquired, Disposed of, or Beneficially Or (Instr. R)  Code (Instr. R)  1. Derivative Securities Acquired, Disposed of, or Beneficially Or (Instr. R)  Code (Instr. R)  Code (Instr. R)  Derivative Securities Acquired (Month/Day/Year)  Disposed of (Instr. R)  Transaction Code (Instr. R)  Transaction (Instr. R)  Code (Instr. R)  Derivative Securities Acquired (Month/Day/Year)  Disposed of (Instr. R)  Transaction (Instr. R)  Derivative Securities Acquired (Month/Day/Year)  Disposed of (Instr. R)  Dispose	PACIFIC BIOSCIENCES OF CALIFORNIA, INC. [PACB]  3. Date of Earliest Transaction (Month/Day/Year)	PACIFIC BIOSCIENCES OF CALIFORNIA, INC. [PACB]  3. Date of Earliest Transaction (Month/Day/Year)  4. If Amendment, Date of Original Filed (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  2. Transaction (Month/Day/Year)  3. Ascurities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  3. Amount of Disposed of (D) (Instr. 3, 4 and 4)  3. Amount (D) Price  3. Amount of Disposed of (D) (Instr. 3 and 4)  4. \$4.9252    5,346,121  3. Amount of Month/Day/Year)  4. \$4.9252    5,346,121  3. Amount of Month/Day/Year)  4. Securities (Month/Day/Year)  5. Number of Code (Instr. 3)  6. Date Exercisable and Expiration Date (Month/Day/Year)  7. Title and Amount of Securities (Month/Day/Year)  8. Price of Derivative Securities (Month/Day/Year)  9. Number of Securities Deneficially Owned (Instr. 4)  8. Price of Derivative Securities Deneficially Owned (Instr. 4)  8. Price of Derivative Securities Deneficially Owned (Instr. 4)  8. Price of Derivative Securities Deneficially Owned (Instr. 4)	PACIFIC BIOSCIENCES OF CALIFORNIA, INC. [ PACB ]  3. Date of Earliest Transaction (Month/Day/Year)  4. If Amendment, Date of Original Filed (Month/Day/Year)  4. If Amendment, Date of Original Filed (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Date Execution Date, if any Code (Instr. a)  (Month/Day/Year)  (Date (Instr. a)  (Month/Day/Year)  (Date (Instr. a)  (Month/Day/Year)  (Date (Instr. a)  (Month/Day/Year)  (Date (Instr. a)  (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  (Date (Instr. a)  (Month/Day/Year)  (Month/Day/Year)

## Explanation of Responses:

1. Seventh MDV Partners, L.L.C. is the general partner of (i) MDV VII, L.P., as nominee for MDV VII, L.P., MDV VII Leaders' Fund, L.P., MDV ENF VII(A), L.P., and MDV ENF(B), L.P., (ii) MDV VII, L.P., (iii) MDV ENF VII (A), L.P., (iv) MDV ENF VII (B), L.P. and (v) MDV VII Leaders' Fund, L.P. (the "MDV VII Funds") and has sole voting and investment power over the shares. William Ericson is a general partner with Mohr Davidow Ventures, and may be deemed to indirectly beneficially own the shares affiliated with the MDV VII Funds. Mr. Ericson disclaims beneficial ownership of the shares held by the MDV VII Funds except to the extent of any pecuniary interest therein.

## Remarks:

William W. Ericson

08/15/2014

\*\* Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.