FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to obligations may continue. See instruction 1(b).   STATERMENT OF CHANGES IN DENEFICIAL OWNERSHIP Section 30(h) of the Investment Company Act of 1934   Estimated average burden hours per response:     1. Name and Address of Reporting Person* LIVINGSTON RANDALL S   Filed pursuant to Section 16(a) of the Investment Company Act of 1934   5. Relationship of Reporting Person(s) to Issuer (Check all applicable)     2. Issuer Name and Ticker or Trading Symbol PACIFIC BIOSCIENCES OF CALIFORNIA, INC.   2. Issuer Name and Ticker or Trading Symbol PACIFIC BIOSCIENCES OF CALIFORNIA, INC.   5. Relationship of Reporting Person(s) to Issuer (Check all applicable)     3. Date of Earliest Transaction (Month/Day/Year)   3. Date of Earliest Transaction (Month/Day/Year) 05/22/2014   6. Individual or Joint/Group Filing (Check Applical Line)     MENLO PARK CA   94025   4. If Amendment, Date of Original Filed (Month/Day/Year)   6. Individual or Joint/Group Filing (Check Applical Line)     (City)   (State)   (Zip)   2. Transaction Date (Month/Day/Year)   3. Transaction Date (Month/Day/Year)   4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 or 5)   5. Amount of Securities (Disposed Of (D) (Instr. 3, 4 or 5)   6. Ownership Form: Direct (D) or Instr. 4)									0							OWB	APPROV	AL
LIVINGSTON RANDALL S   PACIFIC BIOSCIENCES OF CALIFORNIA, INC.   PACIFIC BIOSCIENCES OF CALIFORNIA, INC.   (Middle)   PACIFIC BIOSCIENCES OF CALIFORNIA, INC.   (Middle)   S. Date of Earliest Transaction (Month/Day/Year)   (Check all applicable)   X   Director   Officer (give title below)   Other (spec below)     1380 WILLOW ROAD   . <td< td=""><td>Section obligat</td><td>n 16. Form 4 or tions may contii</td><td>Form 5</td><td>STATE</td><td>Filed p</td><td>ursuan</td><td>t to Section</td><td>ı 16(a</td><td>.) of the Se</td><td>ecuritie</td><td>es Exchange</td><td>e Act of 19:</td><td></td><td>ΗP</td><td>Estim</td><td>ated ave</td><td>erage burden</td><td>0.5</td></td<>	Section obligat	n 16. Form 4 or tions may contii	Form 5	STATE	Filed p	ursuan	t to Section	ı 16(a	.) of the Se	ecuritie	es Exchange	e Act of 19:		ΗP	Estim	ated ave	erage burden	0.5
(Last)   (First)   (Middle)     PACIFIC BIOSCIENCES OF CALIFORNIA, INC.   3. Date of Earliest Transaction (Month/Day/Year)   below)   below)   below)     1380 WILLOW ROAD   4. If Amendment, Date of Original Filed (Month/Day/Year)   6. Individual or Joint/Group Filing (Check Applical Line)     (Street)   MENLO PARK CA   94025   5. Form filed by One Reporting Person     (City)   (State)   (Zip)   Form filed by One Reporting Person     1. Title of Security (Instr. 3)   2. Transaction Date (Month/Day/Year)   3. A Deemed Execution Date, (Month/Day/Year)   3. A Deemed Execution Date, (Month/Day/Year)   4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)   5. Amount of Securities Beneficially Owned Following Reporting Person     1. Title of Security (Instr. 3)   2. Transaction Date (Month/Day/Year)   3. Transaction (Month/Day/Year)   4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)   5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) and (Instr. 4)   6. Ownership Form: Direct (I) (Instr. 4)   7. Note Point (Instr. 4)     Code   V   Amount   (A) or (D)   Price   5. Amount of Transaction(s) (Instr. 4)   6. Ownership Point Tirect (I) (Instr. 4)   7. Note Point (Instr. 4)     1. Title of Security (Instr. 3)   2. Transaction (Do or Indirect (I) (Instr. 4) <td< td=""><td colspan="5"></td><td colspan="8">PACIFIC BIOSCIENCES OF</td><td>ck all applica Director</td><td>able)</td><td colspan="3">e) 10% Owner</td></td<>						PACIFIC BIOSCIENCES OF								ck all applica Director	able)	e) 10% Owner		
(Street) MENLO PARK CA   94025   Vertically   Vertically   Form filed by One Reporting Person Form filed by More than One Reporting Person     (City)   (State)   (Zip)   Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned   Sample Control (A) or Date (Month/Day/Year)   Sample Control (A) or (Month/Day/Year)   Price   Sample Control (A) or (Month/Day/Year)   Sample Control (A) or (Month/Day/Year)   Price   Sample Control	PACIFIC BIOSCIENCES OF CALIFORNIA, INC.				0									below)			,	,
1. Title of Security (Instr. 3)   2. Transaction Date (Month/Day/Year)   2A. Deemed Execution Date, (Month/Day/Year)   3. Transaction (Month/Day/Year)   3. Transaction (Month/Day/Year)   4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)   5. Amount of Securities Ownership Owned Following Reported Transaction(S) (Instr. 3 and 4)   6. Ownership Form: Direct (D) or Indirect (D) or Indirec	MENLO PARK CA 94025				4	4. If Amendment, Date of Original Filed (Month/Day/Year)								e) X Form filed by One Reporting Person Form filed by More than One Reporting				
1. Title of Security (Instr. 3)   2. Transaction Date (Month/Day/Year)   2. Transaction Date (Month/Day/Year)   3. Transaction (Month/Day/Year)   3. Transaction (Month/Day/Year)   4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)   5. Amount of Securities Beneficially (D) or Indirect (D)			Ta	able I - Non-De	erivati	ive Se	ecurities	Ac	quired,	Disp	posed of	, or Ben	eficially	Owned				
Code   V   Amount   (A) or (D)   Price   Transaction(s) (Instr. 3 and 4)     Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned	1. Title of Security (Instr. 3) 2. Trans Date				ransacti e	action 2A. Deemed Execution Date, if any			3. Transaction Code (Instr. 4. Securities Acq Disposed Of (D) (			es Acquired	d (A) or r. 3, 4 and 5) Beneficial Owned Fo		Form ly (D) or		: Direct II Indirect E str. 4) C	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D)	Price	Transaction(s)				
														Dwned				
Derivative Security (Instr. 3)   Conversion or Exercise Derivative Security   Date (Month/Day/Year)   Execution Date, if any (Month/Day/Year)   Transaction Code (Instr. 8)   Derivative Acquired (A) or Disposed of (D) (Instr. 3)   Expiration Date Underlying (Instr. 3 and 4)   Derivative Securities   Derivative Securities   Derivative Securities   Derivative Securities   Derivative Securities   Ownership Securities   Ownership Securities <td>Derivative Security</td> <td>Conversion or Exercise Price of Derivative</td> <td rowspan="2">Date</td> <td>Execution Date, if any</td> <td>Code</td> <td></td> <td colspan="2">Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,</td> <td colspan="2">Expiration Date</td> <td>of Securit Underlyin Derivative</td> <td>ies g Security</td> <td>Derivative Security</td> <td>derivativ Securitie Beneficia Owned Followin Reported</td> <td>derivative Securities Beneficially Owned Following</td> <td>Ownership Form: Direct (D) or Indirect</td> <td>11. Nature of Indirect Beneficial Ownership (Instr. 4)</td>	Derivative Security	Conversion or Exercise Price of Derivative	Date	Execution Date, if any	Code		Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		Expiration Date		of Securit Underlyin Derivative	ies g Security	Derivative Security	derivativ Securitie Beneficia Owned Followin Reported	derivative Securities Beneficially Owned Following	Ownership Form: Direct (D) or Indirect	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
Stock Image: Code V Image: Code V Image: Code V Image: Code <td>Curral I</td> <td></td> <td></td> <td>Code</td> <td>v</td> <td>(A)</td> <td>(D)</td> <td></td> <td>ble</td> <td></td> <td>Title</td> <td>or Number of</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Curral I				Code	v	(A)	(D)		ble		Title	or Number of					

Explanation of Responses:

\$4.45

Option

(right to buy)

1. This is an annual grant made pursuant to the Issuer's automatic director grant policy, as previously disclosed in the Issuer's most recent proxy statement filed with the SEC.

25,000<sup>(1)</sup>

2. The shares subject to the option will vest in equal monthly installments over a one year period.

Brian Dow, Attorney-in-fact for 05/23/2014

\$<mark>0</mark>

25,000

Date

D

Randall S. Livingston

\*\* Signature of Reporting Person

25,000

Common Stock

06/22/2014<sup>(2)</sup> 05/22/2024

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).

05/22/2014

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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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.