UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G/A Amendment No. 3

Under the Securities Exchange Act of 1934

Pacific Biosciences of California, Inc.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
69404D108
(CUSIP Number)
December 31, 2018
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
□ Rule 13d-1(b)
☑ Rule 13d-1(c)
□ Rule 13d-1(d)
The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

NAME OF REPORTING PERSONS		
1 I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
Larry N. Feinberg		
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)		
2 (a) \Box		
(b) \Box		
SEC USE ONLY		
3		
CITIZENSHIP OR PLACE OF ORGANIZATION		
United States		
5 SOLE VOTING POWER		
NUMBER OF 100,000		
SHARES 6 SHARED VOTING POWER		
BENEFICIALLY OWNED BY 4,367,364		
EACH PROPERTY 7 SOLE DISPOSITIVE POWER		
REPORTING		
PERSON 100,000 WITH: SHARED DISPOSITIVE POWER		
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
4,367,364 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
4,467,364		
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
3.00%*		
12 TYPE OF REPORTING PERSON (See Instructions)		
IN		
* Calculated based on a total of 148,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in its Quarterly Report on		

Form 10-Q filed with the Securities Exchange Commission on November 5, 2018 (the "Quarterly Report").

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)			
	Oracle Partners, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) (b) (c)			
3	SEC USE ONLY			
4	CITIZEN Delaware	SHIP OR PLACE OF ORGANIZATION		
NUMBE	R OF	5 SOLE VOTING POWER 0		
SHAR BENEFIC OWNEI EAC	IALLY DBY	6 SHARED VOTING POWER 3,281,974		
REPORT PERSO WITI	TING ON	7 SOLE DISPOSITIVE POWER 0		
***************************************		8 SHARED DISPOSITIVE POWER 3,281,974		
9	AGGREC 3,281,974	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	СНЕСК І	SOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.20%*			
12	TYPE OF PN	REPORTING PERSON (See Instructions)		
* Calculated ba	sed on a tota	al of 148,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.		

	NAME O	F REPO	ORTING PERSONS		
1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)				
	Oracle Institutional Partners, L.P.				
	CHECK T	THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)		
2					
	(a) □				
_	(b) □	ONITE	,		
3	SEC USE	ONLY			
	CITIZENI	CITID C	DD DV A CE OF ODG A METATYON		
4	CITIZEN	SHIPC	OR PLACE OF ORGANIZATION		
	Delaware				
	Delaware		SOLE VOTING POWER		
		5	SOLE VOTING POWER		
NUMBER	R OF				
SHARE	_		SHARED VOTING POWER		
BENEFICIALLY		6	OTHINED VOTING FOWER		
OWNED			440,793		
EACH		_	SOLE DISPOSITIVE POWER		
REPORTING		7			
PERSON WITH:			0		
WIII	•	0	SHARED DISPOSITIVE POWER		
		8			
			440,793		
9	AGGREG	ATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
9					
	440,793				
	CHECK E	BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		
10					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
11	0.000/4				
	0.30%*	DEDO	DEFINIC DEDCOM (C. J. e. e.)		
12	I YPE OF	REPO	RTING PERSON (See Instructions)		
	PN				
* Calcul-t- J L		al af 14	10 001 002 shaves of common stock outstanding as of October 21 2010		
Carculated bas	eu on a tota	ai 01 14	8,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.		

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Oracle Ten Fund, LP				
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) (b) (c)				
3	SEC USE ONLY				
4	CITIZI Delaw		IP OR PLACE OF ORGANIZATION		
NUMBEI	R OF	5	SOLE VOTING POWER 0		
SHARE BENEFICIA OWNED	ALLY	6	SHARED VOTING POWER 644,597		
EACH REPORT PERSC	ING DN	7	SOLE DISPOSITIVE POWER 0		
WITH	WITH:		SHARED DISPOSITIVE POWER 644,597		
9	AGGR 644,59		E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.43%*				
12	TYPE OF REPORTING PERSON (See Instructions) PN				
* Calculated	l based	on a to	otal of 148,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.		

1	I.R.S.	IDEN	REPORTING PERSONS TIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)		
2	Oracle Investment Management Employees Retirement Fund CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) □ (b) □				
3	SEC U	SE O	NLY		
4	CITIZI Conne		IIP OR PLACE OF ORGANIZATION		
NUMBEI	R OF	5	SOLE VOTING POWER 0		
SHARI BENEFICI OWNED	ALLY	6	SHARED VOTING POWER 0		
EACH REPORT PERSO	ING ON	7	SOLE DISPOSITIVE POWER 0		
WITH	ł:	8	SHARED DISPOSITIVE POWER 0		
9	AGGR 0	EGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10		K BO	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.00%*				
12	TYPE OF REPORTING PERSON (See Instructions) OO				
* Calculated	d based	on a	total of 148,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.		

1		ME OF REPORTING PERSONS				
1		I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)				
		The Feinberg Family Foundation				
2	CH	CK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)				
2	(a)					
	(b)					
3	SEC	USE ONLY				
	SEC	USE ONE!				
4	CIT	ZENSHIP OR PLACE OF ORGANIZATION				
•	Cor	necticut				
	001	SOLE VOTING POWER				
NUMBER C)F					
SHARES		SHARED VOTING POWER				
BENEFICIAL		6 SIMMED VOITING TOWER				
OWNED B EACH	Y	0				
REPORTIN	G	7 SOLE DISPOSITIVE POWER				
PERSON WITH:		0				
WIII.		8 SHARED DISPOSITIVE POWER				
9	AGGR.	GATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	0					
	CHEC	BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)				
10						
	Ш					
11	PERCE	NT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.00%*					
		F REPORTING PERSON (See Instructions)				
12		()				
	00					
 Calculated base 	d on a t	tal of 148 901 892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report				

ed on a total of 148,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.

NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Oracle Associates, LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) 2 (a) (b) 3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER 0 SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 7 SOLE DISPOSITIVE POWER 4,367,364 8 SHARED DISPOSITIVE POWER 4,367,364 8 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,367,364		
Oracle Associates, LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a)		
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a)	1	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a)		Ovagle Accesistes LLC
2 (a)		· · · · · · · · · · · · · · · · · · ·
(a)		CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See HISHUCHORS)
3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER 0 SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 7 SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 4,367,364 8 SHARED DISPOSITIVE POWER 4,367,364 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		(a) □
4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 8 SHARED VOTING POWER 4,367,364 7 SOLE DISPOSITIVE POWER 8 SHARED DISPOSITIVE POWER 4,367,364 4,367,364		(b) □
Delaware SOLE VOTING POWER NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 8 SHARED VOTING POWER 4,367,364 5 OLE VOTING POWER 0 SHARED VOTING POWER 4,367,364 4,367,364 5 SOLE DISPOSITIVE POWER 4,367,364 8 SHARED DISPOSITIVE POWER 4,367,364	3	SEC USE ONLY
Delaware SOLE VOTING POWER NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 8 SHARED VOTING POWER 4,367,364 5 OLE VOTING POWER 0 SHARED VOTING POWER 4,367,364 4,367,364 5 SOLE DISPOSITIVE POWER 4,367,364 8 SHARED DISPOSITIVE POWER 4,367,364		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	4	CITIZENSHIP OR PLACE OF ORGANIZATION
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:		Delayare
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 8 SHARED VOTING POWER 4,367,364 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 4,367,364 8 SHARED DISPOSITIVE POWER 4,367,364		SOLE VOTING DOWER
SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON BARED VOTING POWER 4,367,364 4,367,364 4,367,364	1	5 SOLE VOTING FOWER
SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON BARED VOTING POWER 4,367,364 4,367,364 4,367,364	NUMBI	JER OF
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: 8 SHARED DISPOSITIVE POWER 4,367,364 4,367,364 4,367,364 4,367,364		SHARED VOTING POWER
EACH REPORTING PERSON WITH: 8 SHARED DISPOSITIVE POWER 4,367,364 4GGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		CIALLY
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WITH: 8 SHARED DISPOSITIVE POWER 4,367,364 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	_	
4,367,364 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	WIT	
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
4.367.364	9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	_	4 367 364
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)		
10		CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (3) EXCLUDES CERTAIN SHARES (See instructions)
	10	
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
2.93%*		
TYPE OF REPORTING PERSON (See Instructions)	12	I YPE OF REPORTING PERSON (See Instructions)
PN		PN
•		

^{*} Calculated based on a total of 148,901,892 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.

	. OF ABOVE PERSONS (ENTITIES ONLY)			
Oracle Investment Managemen				
CHECK THE APPROPRIATE 2 (a) □ (b) □	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) □			
3 SEC USE ONLY				
4 CITIZENSHIP OR PLACE OF United States	ORGANIZATION			
	DANGUER			
NUMBER OF 0 SOLE VOTING	POWER			
SHARES BENEFICIALLY OWNED BY 6 SHARED VOT 4,367,364	ING POWER			
REPORTING 7 PERSON 0	ITIVE POWER			
WITH: 8 SHARED DISE 4,367,364	OSITIVE POWER			
AGGREGATE AMOUNT BEN	EFICIALLY OWNED BY EACH REPORTING PERSON			
9 4,367,364				
CHECK BOX IF THE AGGRE	GATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)			
PERCENT OF CLASS REPRE 2.93%*	SENTED BY AMOUNT IN ROW (9)			
12 TYPE OF REPORTING PERSO	DN (See Instructions)			
	2 shares of common stock outstanding as of October 31, 2018, as reported by the Issuer in the Quarterly Report.			

This Amendment No. 3 to the Schedule 13G (this "Amendment No. 3") is being filed with respect to the Common Stock, par value \$.001 ("Common Stock") of Pacific Biosciences of California, Inc., a Delaware corporation (the "Issuer"), amends and supplements the Schedule 13G originally filed with the United States Securities and Exchange Commission (the "SEC") on September 15, 2016, as previously amended by Amendment No. 1 filed on February 6, 2017 and as amended by Amendment No. 2 filed on February 14, 2018 (as so amended, the "Schedule 13G"). This Amendment No. 3 is being filed on behalf of Oracle Partners, LP, a Delaware limited partnership ("Oracle Partners"), Oracle Ten Fund, LP, a Delaware limited partnership ("Oracle Partners"), Oracle Investment Management, Inc. Employees' Retirement Plan, an employee benefit plan organized in Connecticut (the "Retirement Plan"), Oracle Associates, LLC, a Delaware limited liability company and the general partner of Oracle Partners, Oracle Ten Fund and Institutional Partners ("Oracle Associates"), Oracle Investment Management, Inc., a Delaware corporation and the investment manager to Oracle Ten Fund and the Retirement Plan (the "Investment Manager"), The Feinberg Family Foundation, a foundation organized in Connecticut (the "Foundation"), and Larry N. Feinberg, the managing member of Oracle Associates, the sole shareholder, director and president of the Investment Manager and the trustee of the Foundation (each of the foregoing, a "Reporting Person" and collectively, the "Reporting Persons"). Capitalized terms used but not defined herein have the meaning ascribed thereto in the Schedule 13G.

Item 4. Ownership:

Item 4 of the Schedule 13G is hereby amended and restated as follows:

A. Larry N. Feinberg

- (a) Amount beneficially owned: 4,467,364
- (b) Percent of class: 3.00%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 100,000
 - (ii) Shared power to vote or direct the vote: 4,367,364
 - (iii) Sole power to dispose or direct the disposition: 100,000
 - (iv) Shared power to dispose or direct the disposition: 4,367,364

B. Oracle Partners

- (a) Amount beneficially owned: 3,281,974
- (b) Percent of class: 2.20%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 3,281,974
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 3,281,974

C. Institutional Partners

- (a) Amount beneficially owned: 440,793
- (b) Percent of class: 0.30%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 440,793
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 440,793

D. Oracle Ten Fund

- (a) Amount beneficially owned: 644,597
- (b) Percent of class: 0.43%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 644,597
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 644,597

E. Retirement Plan

- (a) Amount beneficially owned: 0
- (b) Percent of class: 0.00%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 0
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: $\boldsymbol{0}$

F. Foundation

- (a) Amount beneficially owned: 0
- (b) Percent of class: 0.00%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 0
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 0

G. Oracle Associates

- (a) Amount beneficially owned: 4,367,364
- (b) Percent of class: 2.93%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 4,367,364
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 4,367,364

H. Investment Manager

- (a) Amount beneficially owned: 4,367,364
- (b) Percent of class: 2.93%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 4,367,364
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 7,836,875

Item 5. Ownership of Five Percent or Less of a Class

Item 5 of Schedule 13G is hereby amended and restated as follows:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following:

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 7, 2019	
	ORACLE PARTNERS, L.P.
	By: ORACLE ASSOCIATES, LLC, its general partner
	By: /s/ Larry N. Feinberg Larry N. Feinberg, Managing Member
	ORACLE TEN FUND, LP
	By: ORACLE ASSOCIATES, LLC, its general partner
	By: /s/ Larry N. Feinberg Larry N. Feinberg, Managing Member
	ORACLE INSTITUTIONAL PARTNERS, LP By: ORACLE ASSOCIATES, LLC, its general partner
	By: /s/ Larry N. Feinberg Larry N. Feinberg, Managing Member
	ORACLE INVESTMENT MANAGEMENT, INC. EMPLOYEES' RETIREMENT PLAN
	By: <u>/s/ Larry N. Feinberg</u> Larry N. Feinberg, Trustee

THE FEINBERG FAMILY FOUNDATION

By: /s/ Larry N. Feinberg
Larry N. Feinberg, Trustee
ORACLE INVESTMENT MANAGEMENT, INC
By: /s/ Larry N. Feinberg
Larry N. Feinberg, President
ORACLE ASSOCIATES, LLC
By: /s/ Larry N. Feinberg
Larry N. Feinberg, Manager Member
/s/ Larry N. Feinberg
Larry N. Feinberg, individually