UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No ___) PACIFIC BIOSCIENCES OF CALIFORNIA, INC. (Name of Issuer) Common Stock, \$0.0001 par value (Title of Class of Securities) 69404D108 -----(CUSIP Number) December 31, 2010 (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) [X] Rule 13d-1(c) Rule 13d-1(d) *The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page. 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). CUSIP No. 69404D108 SCHEDULE 13G Page 2 of 10 Pages Names of Reporting Persons Maverick Capital, Ltd. - 75-2482446 Check the Appropriate Box if a Member of a Group (See Instructions) (a) |_| (b) |_| 3 SEC Use Only Citizenship or Place of Organization Texas 5 | Sole Voting Power 3,543,333 -----Number of | 6 | Shared Voting Power

Shares Beneficially Owned by Each Reporting Person With		 	 0	
		7 	Sole Dispositive Power 3,543,333	
	-	 8 	Shared Dispositive Power 0	
9	Aggrega	 ate Amou	int Beneficially Owned by Each Reporting Person	
	3,543,3			
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) _			
11	Percent of Class Represented in Amount in Row 9			
	6.7%			
12	Type of	f Report	ing Person (See Instructions)	
	IA			

	. 69404D108		SCHEDULE 13G	Page 3 of 10 Pages		
1	Names of Reporting Persons					
	Maverio		Management, LLC - 75-26864			
2	Check the Appropriate Box if a Member of a Group (See Instructions) (a) $ _ $ (b) $ _ $					
3	SEC Use Only					
4			Place of Organization			
	Texas					
		5	Sole Voting Power			
			3,543,333			
Number Share		6	Shared Voting Power			
Benefici Owned	ally					
Each Reporti	-	7	Sole Dispositive Power			
Person W			3,543,333			
		8	Shared Dispositive Power			
			0			
9	Aggrega	ate Amoun	Beneficially Owned by Each			
	3,543,3	333				
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) _					
11			s Represented in Amount in I			
	6.7%					
12	Type of		ng Person (See Instructions			
	НС					

CUSIP No.		108 	SCHEDULE 13G	Page 4 of 10 Pages				
1	Names (ing Persons					
	Lee S.	Ainslie	III					
2	Check (a) (b)	1_1						
3	SEC Us	C Use Only						
4	Citize	nship or	Place of Organization					
	United	States						
		5 	Sole Voting Power					
			3,543,333					
Number o		6	Shared Voting Power					
Shares Beneficia	ally	 	0					
Owned b	by	7	Sole Dispositive Powe					
Reportin Person Wi		 	3,543,333					
		8	Shared Dispositive Po	wer				
		 	0					
9	Aggrega	ate Amour	t Beneficially Owned by	Each Reporting Person				
	3,543,	333						
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) _							
11				in Row 9				
	Percent of Class Represented in Amount in Row 9 6.7%							
12		f Renort		ions)				
14	HC							

Item 1(a) Name of Issuer:

Pacific Biosciences of California, Inc.

Item 1(b) Address of Issuer's Principal Executive Offices:

1380 Willow Road Menlo Park, California 94025

Item 2(a) Name of Person Filing:

This Schedule 13G (the "Schedule 13G") is being filed on behalf of each of the following persons (each, a "Reporting Person"):

- (i) Maverick Capital, Ltd.;
- (ii) Maverick Capital Management, LLC; and
- (iii) Lee S. Ainslie III ("Mr. Ainslie").

The Schedule 13G relates to Shares (as defined herein) held for the accounts of Maverick Capital, Ltd.'s clients.

Item 2(b) Address of Principal Business Office or, if none, Residence:

The address of the principal business office of (i) Maverick Capital, Ltd. and Maverick Capital Management, LLC is 300 Crescent Court, 18th Floor, Dallas, Texas 75201, and (ii) Mr. Ainslie is 767 Fifth Avenue, 11th Floor, New York, New York 10153.

Item 2(c) Citizenship:

- (i) Maverick Capital, Ltd. is a Texas limited partnership;
- (ii) Maverick Capital Management, LLC is a Texas limited liability company; and
- (iii) Mr. Ainslie is a citizen of the United States.
- Item 2(d) Title of Class of Securities:

Common Stock, \$0.0001 par value (the "Shares").

Item 2(e) CUSIP Number:

69404D108

- Item 3. If this statement is filed pursuant to ss.ss.240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:
 - (a) [] Broker or dealer registered under section 15 of the Act (15 U.S.C. 780).

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(c)) []	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
(d)) []	Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
(e)) [X]	An investment advisor in accordance with ss.240.13d-1(b)(1)(ii)(E).
(f)) []	An employee benefit plan or endowment fund in accordance with $ss.240.13d-1(b)(1)(ii)(F)$.
(g)) [X]	A parent holding company or control person in accordance with $ss.240.13d-1(b)(1)(ii)(G)$.
(h)) []	A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).
(i)) []	A church plan that is excluded from the definition of an investment company under Section $3(c)(14)$ of the Investment Company Act of 1940 (15 U.S.C. 80a-3).
(j)) []	A non-U.S. institution in accordance with ss. 240.13d-1(b)(1)(ii)(J);
(k)) []	Group, in accordance with ss. 240.13d-1(b)(1)(ii)(K).
			g as a non-U.S. institution in accordance with (b)(1)(ii)(J), please specify the type of institution:
Item 4	1		Ownership
			Ownership as of December 31, 2010 is incorporated by reference to items (5) - (9) and (11) of the cover page of the Reporting Person.
			Maverick Capital, Ltd. is an investment adviser registered under Section 203 of the Investment Advisers Act of 1940 and, as such, may be deemed to have beneficial ownership of the Shares which are the subject of this filing through the investment discretion it exercises over its clients' accounts. Maverick Capital Management, LLC is the General Partner of Maverick Capital, Ltd. Mr. Ainslie is the manager of Maverick Capital Management, LLC and is granted sole investment discretion pursuant to Maverick Capital Management, LLC's Regulations.
Item 5	5		Ownership of Five Percent or Less of a Class
			Not applicable.

Item 6

Not applicable.

(b) [] Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).

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Ownership of More than Five Percent on Behalf of Another Person.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person

Not applicable.

Not applicable.

Not applicable.

Item 10 Certifications

By signing below each of the Reporting Persons certifies that, to the best of such person's knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

Date: February 14, 2011 MAVERICK CAPITAL, LTD.

By: Maverick Capital Management, LLC,

Its General Partner

By: Lee S. Ainslie III, Manager

By: /s/ John T. McCafferty

John T. McCafferty

Under Power of Attorney dated

February 13, 2003

Date: February 14, 2011 MAVERICK CAPITAL MANAGEMENT, LLC

By: Lee S. Ainslie III, Manager

By: /s/ John T. McCafferty

John T. McCafferty

Under Power of Attorney dated

February 13, 2003

Date: February 14, 2011 LEE S. AINSLIE III

By: /s/ John T. McCafferty

John T. McCafferty

Under Power of Attorney dated

February 13, 2003

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EXHIBIT INDEX

A. Joint Filing Agreement, dated February 14, 2011, by and among Maverick Capital, Ltd., Maverick Capital Management, LLC, and Lee S. Ainslie III.

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Joint Filing Agreement

The undersigned hereby agree that the statement on Schedule 13G with respect to the Common Stock, \$0.0001 par value of Pacific Biosciences of California, Inc., dated as of February 14, 2011, is, and any amendments thereto (including amendments on Schedule 13D) signed by each of the undersigned shall be, filed on behalf of each of us pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934.

Date: February 14, 2011

MAVERICK CAPITAL, LTD.

By: Maverick Capital Management, LLC Its General Partner

By: Lee S. Ainslie III, Manager

By: /s/ John T. McCafferty John T. McCafferty Under Power of Attorney dated

February 13, 2003

MAVERICK CAPITAL MANAGEMENT, LLC

By: Lee S. Ainslie III, Manager

By: /s/ John T. McCafferty John T. McCafferty

Under Power of Attorney dated

February 13, 2003

LEE S. AINSLIE III

By: /s/ John T. McCafferty

John T. McCafferty

Under Power of Attorney dated

February 13, 2003

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