

OMB APPROVAL	
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

<b>1. Name and Address of Reporting Person*</b> <u>LABORATORY CORP OF AMERICA HOLDINGS</u>  (Last) (First) (Middle) <u>358 SOUTH MAIN STREET</u>  (Street) <u>BURLINGTON NC 27215</u>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>SEQUENOM INC [ SQNM ]</u>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable)  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) Other (specify below)
	<b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>09/07/2016</u>	
	<b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>	

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, par value \$0.001	09/07/2016		P <sup>(1)</sup>		36,649,440 <sup>(1)</sup>	A	\$2.4	119,551,297 <sup>(1)</sup>	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	Date Exercisable	Expiration Date					

**Explanation of Responses:**

1. These shares were acquired pursuant to an Agreement and Plan of Merger, dated July 26, 2016 (the "Merger Agreement"), by and among the Reporting Person, Savoy Acquisition Corp., a wholly owned subsidiary of the Reporting Person ("Purchaser"), and the Issuer. Pursuant to the Merger Agreement, the Reporting Person acquired all of the outstanding shares of the Issuer in a two-step transaction involving, first, the completion of a tender offer by the Reporting Person and Purchaser (the "Tender Offer"), and, second, a back-end merger for 100% ownership pursuant to which Purchaser merged with and into the Issuer and the Reporting Person acquired all of the outstanding shares of the Issuer that were not acquired by Purchaser in the Tender Offer. The acquired shares reported herein were acquired by the Reporting Person as part of the second step of the transaction.

**Remarks:**

/s/ F. Samuel Eberts III, Chief Legal Officer and Secretary of Laboratory Corporation of America Holdings 09/07/2016

\*\* Signature of Reporting Person Date

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.