

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

OMB APPROVAL	
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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. Date of Event Requiring Statement (Month/Day/Year)</b> <u>09/07/2016</u>	<b>3. Issuer Name and Ticker or Trading Symbol</b> <u>SEQUENOM INC [ SQNM ]</u>	
		<b>4. Relationship of Reporting Person(s) to Issuer (Check all applicable)</b>  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) Other (specify below)	<b>5. If Amendment, Date of Original Filed (Month/Day/Year)</b>  _____  <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock, par value \$0.001	82,901,857	I	See footnote <sup>(1)</sup>

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

**Explanation of Responses:**

1. The Reporting Person is filing this Form 3 on behalf of itself and Savoy Acquisition Corp. ("Savoy"), a Delaware corporation and a wholly owned subsidiary of the Reporting Person. The shares of common stock to which this Form 3 relates were acquired by Savoy on September 7, 2016 (the "Acceptance Time") following the expiration of the offering period for the tender offer for all outstanding shares of common stock of the Issuer, including the associated preferred stock purchase rights issued under the Rights Agreement, dated March 3, 2009, as amended, between the Issuer and American Stock Transfer & Trust Company, LLC, as rights agent (the "Offer"), and include Shares tendered pursuant to notices of guaranteed delivery. The Offer was made upon the terms and subject to the conditions set forth in the Offer to Purchase, dated August 9, 2016, which was annexed to and filed with the Schedule TO filed by the Reporting Person with the Securities and Exchange Commission on August 9, 2016.

**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 5 (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.