

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>Holmlin R. Erik</u>  (Last) (First) (Middle) C/O BIONANO GENOMICS, INC. 9540 TOWNE CENTRE DRIVE, SUITE 100  (Street) SAN DIEGO CA 92121  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Bionano Genomics, Inc. [ BNGO ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>President and CEO</b>
	3. Date of Earliest Transaction (Month/Day/Year) 02/15/2023	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

**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	02/15/2023		A		300,000 <sup>(1)</sup>	A	\$0.00	841,615 <sup>(2)</sup>	D	
Common Stock								5,025	I	Robert Erik Holmlin Traditional IRA

**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)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		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	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option (Right to Buy)	\$1.63	02/15/2023		A		1,400,000		(3)	02/14/2033	Common Stock	1,400,000	\$0.00	1,400,000	D	

**Explanation of Responses:**

- Represents restricted stock unit award granted under the Issuer's 2018 Equity Incentive Plan.
- Includes 1,443 shares acquired under the Issuer's 2018 Employee Stock Purchase Plan (the "ESPP") on June 10, 2022 and 1,616 shares acquired under the ESPP on December 10, 2022.
- The shares subject to the option shall vest monthly over 48 months beginning on the one-month anniversary of February 15, 2023 (the "Grant Date") such that the option shall be fully vested and exercisable on the four-year anniversary of the Grant Date.

**Remarks:**

/s/ R. Erik Holmlin 02/17/2023  
 \*\* 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.

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