

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> <hr/> (Last) (First) (Middle) C/O BIONANO GENOMICS, INC. 9540 TOWNE CENTRE DRIVE, SUITE 100 <hr/> (Street) SAN DIEGO CA 92121 <hr/> (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) 06/03/2024	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.		

**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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	06/03/2024		A		44,000 <sup>(1)(2)</sup>	A	\$0	121,813 <sup>(3)</sup>	D	
Common Stock								502	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)	\$0.93	06/03/2024		A		204,000		(4)	06/02/2034	Common Stock	204,000	\$0	204,000	D	

**Explanation of Responses:**

- Represents restricted stock unit award granted under the Issuer's 2018 Equity Incentive Plan.
- The shares subject to the RSUs vest 1/4th annually beginning on the one-year anniversary of the grant date.
- Includes 150 shares acquired under the Issuer's 2018 Employee Stock Purchase Plan (the "ESPP") on June 9, 2023.
- The shares subject to the option shall vest monthly over 48 months beginning on the one-month anniversary of June 3, 2024 (the "Grant Date") such that the option shall be fully vested and exercisable on the four-year anniversary of the Grant Date.

/s/ R. Erik Holmlin 06/05/2024  
 \*\* 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.