

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* TWOMEY CHRISTOPHER J _____ (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 Bionano Genomics, Inc. [BNGO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input type="checkbox"/> Officer (give title below) Other (specify below)
3. Date of Earliest Transaction (Month/Day/Year) 06/14/2023		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	
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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

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)	\$0.7458	06/14/2023		A		250,000		(1)	06/14/2033	Common Stock	250,000	\$0	250,000	D	

Explanation of Responses:

1. The shares will vest in equal monthly installments over the 12 months following the date of grant, provided that the shares will, in any case, be fully vested on the date of the Company's next annual stockholder meeting, subject to the optionholder's Continuous Service (as defined in the Company's 2018 equity incentive plan) through each such vesting date and will vest in full upon a Change of Control (as defined in the Company's 2018 equity incentive plan).

Remarks:

/s/ R. Erik Holmlin, Attorney-in-Fact 06/16/2023
 ** 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.

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.

POWER OF ATTORNEY

Know all, by these presents, that the undersigned hereby constitutes and appoints R. Erik Holmlin and Jonathan V. Dixon, signing individually, (1) execute for and on behalf of the undersigned, an officer, director or holder of 10% of more of a registered class of securities of Bionano (2) do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute such Form (3) take any other action of any nature whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requi This Power of Attorney shall remain in full force and effect until the earliest to occur of (a) the undersigned is no longer required to file IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 16th day of June, 2023.

/S/ CHRISTOPHER J. TWOMEY

NAME: CHRISTOPHER J. TWOMEY