

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>TWOMEY CHRISTOPHER J</u>  (Last) (First) (Middle) <u>C/O BIONANO GENOMICS, INC.</u> <u>9540 TOWNE CENTRE DRIVE, SUITE 100</u>  (Street) <u>SAN DIEGO CA 92121</u>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>Bionano Genomics, Inc [ BNGO ]</u>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner  Officer (give title below) Other (specify below)
	<b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>10/23/2019</u>	
	<b>4. 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  Form filed by More than One Reporting Person

**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	10/23/2019		A <sup>(1)</sup>		9,500	A	\$0.85 <sup>(2)</sup>	19,500	I	C J TWOMEY & R J TWOMEY TTEES, C J & R J TWOMEY FAMILY TRUST, UAD 9/20/2002

**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					
Common Stock Warrants (right to buy)	\$0.86	10/23/2019		A <sup>(1)</sup>		9,500		10/23/2019	10/23/2024	Common Stock	9,500	9,500	I	C J TWOMEY & R J TWOMEY TTEES, C J & R J TWOMEY FAMILY TRUST, UAD 9/20/2002

**Explanation of Responses:**

- Acquired from the Issuer pursuant to an Underwriting Agreement dated October 21, 2019 with a closing date of October 23, 2019. The Underwriting Agreement and the issuance of the securities thereunder was approved by the Issuer's Board of Directors.
- The total per share and accompanying common warrant price offered in the public offering is \$0.86. Each share of common stock is being sold together with a common warrant to purchase one share of the Company's common stock. The public offering price, per share is \$0.85 and per common warrant is \$0.01.

**Remarks:**

/s/ Heather Adams, Attorney-in-fact 10/25/2019

\*\* 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.