

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

1. Name and Address of Reporting Person* <u>DOMAIN ASSOCIATES</u> <hr/> (Last) (First) (Middle) <u>ONE PALMER SQUARE</u> <hr/> (Street) <u>PRINCETON NJ 08542</u> <hr/> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>08/21/2018</u>	3. Issuer Name and Ticker or Trading Symbol <u>BioNano Genomics, Inc [BNGO]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" 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	140	D ⁽¹⁾	

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				
Stock Option (Right to Buy)	(2)	05/10/2019	Common Stock	227	64.2	D ⁽²⁾
Stock Option (Right to Buy)	(2)	05/10/2019	Common Stock	4,928	1.28	D ⁽²⁾

1. Name and Address of Reporting Person*
DOMAIN ASSOCIATES

 (Last) (First) (Middle)
ONE PALMER SQUARE

 (Street)
PRINCETON NJ 08542

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
BLAIR JAMES C

 (Last) (First) (Middle)
C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

 (Street)
PRINCETON NJ 08542

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
DOVEY BRIAN H

 (Last) (First) (Middle)
C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

 (Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

VITULLO NICOLE

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

Halak Brian K

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

1. Name and Address of Reporting Person*

Kamdar Kim P.

(Last) (First) (Middle)

C/O DOMAIN ASSOCIATES, LLC
ONE PALMER SQUARE

(Street)

PRINCETON NJ 08542

(City) (State) (Zip)

Explanation of Responses:

1. The securities reported as directly beneficially owned by the designated Reporting Person may be deemed to be indirectly beneficially owned by each of the Reporting Owners listed below, each of whom is a managing member of the designated Reporting Person. Pursuant to Instruction 5(b)(iv) of Form 3, each such individual has elected to report as indirectly beneficially owned the entire number of securities owned by the designated Reporting Person, however each of them disclaims beneficial ownership of any securities, and any proceeds thereof, that exceed his or her pecuniary interest therein and/or that are not actually distributed to him or her.

2. The stock options are held by Brian K. Halak and are fully vested. Pursuant to the limited liability company agreement of Domain Associates, LLC, upon exercise 50% of the shares issued will be transferred to Domain Associates, LLC.

Remarks:

/s/ Lisa A. Kraeutler, as
Attorney-in-Fact for J. Blair, B.
Dovey, N. Vitullo, B. Halak
and K. Kamdar 08/21/2018

** 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.