

| 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

|  |           |              |  |  |  |   |  |  |
|--|-----------|--------------|--|--|--|---|--|--|
| 1. Name and Address of Reporting Person*<br><u>Cao Han PHD</u> |           |              | 2. Issuer Name and Ticker or Trading Symbol<br><u>BioNano Genomics, Inc [ BNGO ]</u> |  |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director _____ 10% Owner _____<br><input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____<br><u>Chief Scientific Officer</u> |  |  |
| (Last)   | (First)   | (Middle)     | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>08/23/2018</u>                |  |  | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br>Form filed by More than One Reporting Person _____   |  |  |
| <u>C/O BIONANO GENOMICS, INC.</u>                              |           |              | 4. If Amendment, Date of Original Filed (Month/Day/Year)                             |  |  |   |  |  |
| <u>9640 TOWNE CENTRE DR #100</u>                               |           |              |  |  |  |   |  |  |
| (Street)   |           |              |  |  |  |   |  |  |
| <u>SAN DIEGO</u>   | <u>CA</u> | <u>92121</u> |  |  |  |   |  |  |
| (City)   | (State)   | (Zip)        |  |  |  |   |  |  |

**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                    | 08/23/2018                           |  | C                              |   | 5,941   | A          | (1)   | 7,354   | D  |   |
| Common Stock                    | 08/23/2018                           |  | C                              |   | 1,231   | A          | (1)   | 8,585   | D  |   |
| Common Stock                    | 08/23/2018                           |  | C                              |   | 101,918   | A          | (1)   | 110,503   | D  |   |
| Common Stock                    | 08/23/2018                           |  | C                              |   | 2,433   | A          | (1)   | 112,936   | D  |   |

**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   | Amount or Number of Shares |  |  |   |  |
| Series B Convertible Preferred Stock       | (1)  | 08/23/2018                           |  | C                              |   |  | 254,275 <sup>(1)</sup>   | (1)  | (1)             | Common Stock  | 5,941                      | \$0.00                                     | 0  | D   |  |
| Series C Convertible Preferred Stock       | (1)  | 08/23/2018                           |  | C                              |   |  | 52,720 <sup>(1)</sup>    | (1)  | (1)             | Common Stock  | 1,231                      | \$0.00                                     | 0  | D   |  |
| Series D Convertible Preferred Stock       | (1)  | 08/23/2018                           |  | C                              |   |  | 4,362,062 <sup>(1)</sup> | (1)  | (1)             | Common Stock  | 101,918                    | \$0.00                                     | 0  | D   |  |
| Series D-1 Convertible Preferred Stock     | (1)  | 08/23/2018                           |  | C                              |   |  | 104,167 <sup>(1)</sup>   | (1)  | (1)             | Common Stock  | 2,433                      | \$0.00                                     | 0  | D   |  |

**Explanation of Responses:**

1. Automatic conversion, in connection with the Issuer's initial public offering, of preferred stock into shares of common stock on a 1-for-42.8 basis. The shares have no expiration date.

**Remarks:**

/s/ Han Cao, Ph.D. 08/27/2018

\*\* 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 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.