## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

| OMB APPR                 | OVAL      |  |  |  |
|--------------------------|-----------|--|--|--|
| OMB Number:              | 3235-0287 |  |  |  |
| Estimated average burden |           |  |  |  |
| ours per respons         | e 0.5     |  |  |  |

longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| (Print or Ty  | pe Response | s)   |  |  |                            |   |   |  |   |   |                    |   |                                      |  |   |                                 |
|---|-------------|--|--|--|----------------------------|---|---|--|---|---|--------------------|---|--------------------------------------|--|---|---------------------------------|
| 1. Name and Address of Reporting Person * CONRAD HERBERT J  |             |  | 2. Issuer Name and Ticker or Trading Symbol<br>Matinas BioPharma Holdings, Inc. [MTNB] |  |                            |   |   |  |   | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  X Director 10% Owner |                    |   |                                      |  |   |                                 |
| (Last) (First) (Middle)<br>C/O MATINAS BIOPHARMA HOLDINGS,<br>INC, 1545 ROUTE 206 SOUTH SUITE 302 |             |  |  | 3. Date of Earliest Transaction (Month/Day/Year) 06/29/2018  |                            |   |   |  |   |   | •                  |   | r (give title belo                   | w)   | Other (specify b  | elow)                           |
| (Street)  |             |  | 4. If Amendment, Date Original Filed(Month/Day/Year)                                   |  |                            |   |   |  | 6. Individual or Joint/Group Filing(Check Applicable Line)  X_Form filed by One Reporting Person Form filed by More than One Reporting Person |   |                    |   |                                      |  |   |                                 |
|   | ISTER, NJ   |  |  |  |                            |   |   |  |   |   |                    |   |                                      |  |   |                                 |
| (City   | )           | (State)  | (Zip)  |  | Tab                        | ole I - l   | Non-l   | Deriv  | ative S   | ecurities   | Acqui              | red, Disp   | osed of, or                          | Beneficially   | Owned   |                                 |
| 1.Title of Security (Instr. 3)  |             | 2. Transaction Date (Month/Day/Year)                                 | any  | emed<br>on Date, if<br>/Day/Year   | Code<br>(Inst              | (Instr. 8)  |   | 4. Securities<br>Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4 and 5) |   |   | Beneficial         | nt of Securities ally Owned Following Transaction(s) and 4) |                                      | Ownership<br>Form:<br>Direct (D)   | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |                                 |
|   |             |  |  |  |                            | Code  |   | V  | Amount (A) or (D) Price   |   | Price              |   |                                      |  |   |                                 |
| Common  | Stock       |  | 06/29/2018   |  |                            | A   | A   |  | 55,30<br>(1)  | 0 A   | \$ 0<br>(1)        | 3,966,47  | 19                                   |  | D   |                                 |
| indirectly.   | Report on a | separate fine for  | r each class of secu   | inties bei   | nenciany 0                 | whed  | F   | Perso  | ons wh  | n this fo   | rm are             | not req   | uired to re                          | formation<br>espond un<br>ntrol numb   | less  | EC 1474 (9-<br>02)              |
|   |             |  | Table II - D   |  | e Securitio<br>, calls, wa |   |   |  |   |   |                    | lly Owned   | i                                    |  |   |                                 |
| Security  | Conversion  | sion Date Execute (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) | Execution Da   | ate, if Transaction of Code (Instr. 8) Se Ac (A Di of (Instr. 8) Se (Instr. 8) Se (Instr. 8) Of (Instr. 8) |                            | of Deriva Securi Acqui (A) or Dispos of (D) (Instr. | Derivative (Mor<br>Securities<br>Acquired<br>(A) or<br>Disposed |  | Expiration Date   |   | Amo<br>Und<br>Secu | itle and bunt of erlying urities tr. 3 and                  | Derivative<br>Security<br>(Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction ((Instr. 4) | Owners: Form of Derivati Security Direct (I or Indire             | Ownership (Instr. 4) (Instr. 4) |
|   |             |  |  | C  | Code V                     | (A)   | (D)   | Date<br>Exerc  | cisable   | Expiration Date   | n Title            | Amount<br>or<br>Number<br>of<br>Shares                      |                                      |  |   |                                 |
| Renor   | ting O      | wners  |  |  |                            |   |   |  |   |   |                    |   |                                      |  |   |                                 |

| Port of the Owner Name (Address     | Relationships |           |         |       |  |
|-------------------------------------|---------------|-----------|---------|-------|--|
| Reporting Owner Name / Address      | Director      | 10% Owner | Officer | Other |  |
| CONRAD HERBERT J                    |               |           |         |       |  |
| C/O MATINAS BIOPHARMA HOLDINGS, INC | X             |           |         |       |  |
| 1545 ROUTE 206 SOUTH SUITE 302      | Λ             |           |         |       |  |
| BEDMINSTER, NJ 07921                |               |           |         |       |  |

## **Signatures**

| /s/ Jerome D. Jabbour, attorney-in fact for Herbert J. Conrad | 07/11/2018 |
|---|------------|
| **Signature of Reporting Person                               | Date       |
| or reporting 1 closes   |            |

# **Explanation of Responses:**

- \* 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).
- (1) On June 29, 2018, the Reporting Person was granted 55,300 shares of common stock par value \$.0001 per share pursuant to the Company's 2013 Equity Compensation Plan. Such shares vest immediately upon grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

| Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB nu | mber. |
|--|-------|
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |
|  |       |