

# FORM 4

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

| OMB APPROVAL                                   |           |
|--|-----------|
| OMB Number:                                    | 3235-0287 |
| Estimated average burden hours per response... | 0.5       |

Check this box if no 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 Type Responses)

|   |  |  |   |  |  |   |  |  |
|---|--|--|---|--|--|---|--|--|
| 1. Name and Address of Reporting Person *<br>Kucinski Keith A                                 |  |  | 2. Issuer Name and Ticker or Trading Symbol<br>Matinas BioPharma Holdings, Inc. [MTNB]  |  |  | 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) _____<br>Chief Financial Officer |  |  |
| (Last) (First) (Middle)<br>C/O MATINAS BIOPHARMA HOLDINGS INC., 1545 RT. 206 SOUTH, SUITE 302 |  |  | 3. Date of Earliest Transaction (Month/Day/Year)<br>02/11/2019                          |  |  |   |  |  |
| (Street)<br>BEDMINSTER, NJ 07921  |  |  | 4. If Amendment, Date Original Filed (Month/Day/Year)                                   |  |  | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person  |  |  |
| (City) (State) (Zip)  |  |  | <b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b> |  |  |   |  |  |

| 1. Title of Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed Execution Date, if any<br>(Month/Day/Year) | 3. Transaction Code<br>(Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D)<br>(Instr. 3, 4 and 5) |            | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I)<br>(Instr. 4) | 7. Nature of Indirect Beneficial Ownership<br>(Instr. 4) |
|------------------------------------|---|---|-----------------------------------|---|--|------------|--|---|--|
|                                    |   |   | Code                              | V | Amount   | (A) or (D) |  |   |  |
|                                    |   |   |                                   |   |  |            |  |   |  |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 control number. SEC 1474 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security<br>(Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed Execution Date, if any<br>(Month/Day/Year) | 4. Transaction Code<br>(Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D)<br>(Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date<br>(Month/Day/Year) |            | 7. Title and Amount of Underlying Securities<br>(Instr. 3 and 4) | 8. Price of Derivative Security<br>(Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s)<br>(Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I)<br>(Instr. 4) | 11. Nature of Indirect Beneficial Ownership<br>(Instr. 4) |                  |
|---|--|---|---|-----------------------------------|---|--|---|------------|--|---|---|---|---|------------------|
|   |  |   |   | Code                              | V |  | (A)   | (D)        |  |   |   |   |   | Date Exercisable |
| Stock option (right to buy)                   | \$ 1.08  | 02/11/2019                              |   | A                                 |   | 275,000  | (1)   | 02/10/2029 | Common Stock   | 275,000                                       | \$ 0  | 275,000   | D   |                  |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                         |       |
|--|---------------|-----------|-------------------------|-------|
|  | Director      | 10% Owner | Officer                 | Other |
| Kucinski Keith A<br>C/O MATINAS BIOPHARMA HOLDINGS INC.<br>1545 RT. 206 SOUTH, SUITE 302<br>BEDMINSTER, NJ 07921 |               |           | Chief Financial Officer |       |

## Signatures

|   |                     |
|---|---------------------|
| /s/ Jerome D. Jabbour, attorney-in fact for Keith A. Kucinski | 02/13/2019          |
| <small>**Signature of Reporting Person</small>                | <small>Date</small> |

## 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).

The option award was made in accordance with the terms of the Issuer's Amended and Restated 2013 Equity Incentive Plan (the "2013 Plan"). The option vests as to 25% of the shares (1) on February 11, 2020 with the remaining shares to vest in equal monthly installments over a period of 36 months commencing on March 1, 2020. The exercise price is based on the closing price for the shares of the Common Stock on the date of grant in accordance with the terms of the 2013 Plan.

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

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