FORM 4

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

| OMB APPROVAL | | | | | | | |
|-------------------|-----------|--|--|--|--|--|--|
| OMB Number: | 3235-0287 | | | | | | |
| Estimated average | burden | | | | | | |
| ours per response | e 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 Ty | pe Response | s) | | | | | | | | | | | | | |
|--|--|------------------|--|---|--|-----|-----------------|---|---|---|---|--|---------------------------------------|---------------------|-------------|
| 1. Name and Address of Reporting Person* WIKLER MATTHEW | | | | 2. Issuer Name and Ticker or Trading Symbol Matinas BioPharma Holdings, Inc. [MTNB] | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner | | | | | | |
| (Last) (First) (Middle) C/O MATINAS BIOPHARMA HOLDINGS, INC., 1545 ROUTE 206 SOUTH SUITE 302 | | | | 3. Date of Earliest Transaction (Month/Day/Year) 09/30/2019 | | | | | Office | er (give title bele | ow) | Other (specify | pelow) | | |
| (Street) BEDMINSTER,, NJ 07921 | | | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting PersonForm filed by More than One Reporting Person | | | | | |
| (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) | | Code (Instr. 8) | | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | | Form: | 7. Nature of Indirect Beneficial | | | |
| | | | | (Month/Day/Year | Coo | de | V | Amour | (A) or (D) | Price | or Inc | | Direct (D) or Indirect (I) (Instr. 4) | Indirect (Instr. 4) | |
| Common \$0.0001 | n Stock, pa per share | r value | 09/30/2019 | | A | L | | 25,179 (1) | 9 А | \$ 0 | 154,924 | 154,924 | | D | |
| Common \$0.0001 | n Stock, pa per share | r value | 06/21/2019 | | <u>J(2</u> | 2) | V | 1,200 | A | \$ 0 | 0 156,124 | | | D | |
| Reminder: | Report on a | separate line fo | r each class of secur | ities beneficially o | wned di | | Perso | ons wh ained ir | o respo | orm ar | e not req | ction of in uired to res d OMB con | spond unle | ess | 1474 (9-02) |
| | | | | Derivative Securit e.g., puts, calls, w | | • | | | | | • | l | | | |
| 1. Title of Derivative Security (Instr. 3) | e Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction of Code (Instr. 8) De Security Act (A. Dispense) Date (Month/Day/Year) Code (Instr. 8) De Security Code (A. Dispense) Code (Instr. 8) De Security Code (Instr. 8) Dispense Code (Instr. 8) De Security Code (Instr. 8) Dispense Code (Instr. 8) De Security Code (Instr. 8) Dispense Code (Instr. 8) De Security Code (Instr. 8) Dispense Code (Instr. 8) De Security De Security Code (Instr. 8) De Security De Secu | | Numbe | tive ties red | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | An Un Sec | nount of derlying curities str. 3 and Derivative (Instr. 5) | | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | Owners Form of Derivat Security Direct (or Indir | Beneficia Ownersh (Instr. 4) | | | |
| | | | | Code V | (A) (| (D) | Date Exerc | | Expiration Date | on Tit | Amoun or Number of Shares | | | | |

Reporting Owners

| | Relationships | | | | |
|---|---------------|--------------|---------|-------|--|
| Reporting Owner Name / Address | Director | 10% Owner | Officer | Other | |
| WIKLER MATTHEW C/O MATINAS BIOPHARMA HOLDINGS, INC. 1545 ROUTE 206 SOUTH SUITE 302 BEDMINSTER,, NJ 07921 | X | | | | |

Signatures

| /s/ Keith A. Kucinski, attorney-in fact for Matthew Wikler | 10/02/2019 |
|--|------------|
| **Signature of Reporting Person | Date |

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 September 30, 2019, the Reporting Person was issued 25,179 shares of common stock par value \$.0001 per share pursuant to the Company's 2013 Equity Compensation Plan. Such shares vest immediately upon grant.
- (2) Stock dividend, payable to all holders of records of Series B Preferred Stock of 200 shares of Common Stock for each share of Series B Preferred Stock

Remarks:

Exhibit 24 Power of Attorney

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 number.

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints each of Jerome D. Jabbour, Keith A. Kucinski, Michael J. Lerner and Bettina C. Elstroth his true and lawful attorney-in-fact to:

- 1. execute for and on behalf of the undersigned Schedules 13D and 13G, Form ID, and Forms 3, 4 and 5 in accordance with Sections 13 and 16(a) of the Securities Exchange Act of 1934 (the "Exchange Act") and the rules thereunder;
- do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete the execution of any such Schedules 13D or 13G, Form ID application for EDGAR codes, and Forms 3, 4 or 5, and the timely filing of such Forms with the United States Securities and Exchange Commission and any other authority; and
- 3. take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, including, without limitation, the execution and filing of a Form 4 with respect to a transaction which may be reported on a Form 5, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in his discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform all and every act and thing whatsoever requisite, necessary and proper to be done in the exercise of any of the rights and powers herein granted, as fully and to all intents and purposes as he might or could do in person, with full power of substitution and resubstitution, hereby ratifying and confirming all that such attorney-in-fact, or his substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming any of the undersigned's responsibilities to comply with Sections 13 and 16 of the Exchange Act.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file any Schedules 13D and 13G and Forms 3, 4 and 5 in accordance with Sections 13 and 16(a) of the Exchange Act and the rules thereunder with respect to the undersigned's holdings of and transactions in securities issued by Matinas BioPharma Holdings, Inc., unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of October 2, 2019.

/s/ Matthew Wikler

By: Matthew Wikler