FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington, | DC | 20540 |
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| washington, | D.C. | 20049 |

| STATEMENT | OF CHANG | SES IN BENE | EFICIAL OW | /NERSHIP |
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| 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).

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* BUTITTA CYNTHIA M | | | | | | 2. Issuer Name and Ticker or Trading Symbol Olema Pharmaceuticals, Inc. [OLMA] | | | | | | | | ck all applica Director Officer (| able) | 10% Othe | son(s) to Issuer 10% Owner Other (spec | |
|--|--|-----------------------------------|--|---------|----------------------------|--|--------|---|--|---|--|------------------------|---|--|--|----------------------|--|--|
| | EMA PHAR | irst) RMACEUTICAI 4TH FLOOR | (Middle) LS, INC. | | 08 | 3. Date of Earliest Transaction (Month/Day/Year) 08/12/2020 | | | | | | 0.1: | below) | sint/Crave 5 | belo | | abla | |
| (Street) SAN FRANCI | | tate) | 94107 (Zip) | | s | | | | | | | | Line | X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| 1. Title of Security (Instr. 3) 2. Transa Date | | | | | action | 2A. Deemed Execution Date, | | uired, Disposed of, or Benefic 3. 4. Securities Acquired (A) or Transaction Disposed Of (D) (Instr. 3, 4 | | | (A) or | 5. Amoun Securities | ; | Form: Direct I | | '. Nature of ndirect | | |
| (Mon | | | | (Month/ | Day/Yo | Day/Year) if any (Month/Day/Year) | | Code (8) | Instr. | Amount | (A) or | Price | Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | | (I) (Instr. 4) | | Beneficial Ownership (Instr. 4) | |
| Common Stock 0 | | | 09/10 | 6/202 | /2020 | | M | | 83,876 | - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | + | | D | \dagger | | | |
| | 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 | e (Month/Day/Year) | 3A. Deemed Execution Da if any (Month/Day/) | C | ransaction Code (Instr. | | | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and of Securiti Underlying Derivative (Instr. 3 and | es J Security | 8. Price of Derivative Security (Instr. 5) | 9. Number derivative Securities Beneficiall Owned Following Reported Transactio | Owners Form: Direct or Indii (I) (Inst | bhip D) ect | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | | С | ode | v | (A) | (D) | Date Exercis | able | Expiration Date | Title | Amount or Number of Shares | | (Instr. 4) | 11(0) | | |
| Stock Option (Right to Buy) | \$4.406 | 08/12/2020 | | | A | | 83,876 | | (1) | | 08/11/2030 | Common Stock | 83,876 | \$0.00 | 83,876 | D | | |
| Stock Option (Right to Buy) | \$4.406 | 09/16/2020 | | | М | | | 83,876 | (1) | | 08/11/2030 | Common Stock | 83,876 | \$0.00 | 0 | D | | |
| Stock Option (Right to Buy) | \$19 | 11/18/2020 | | | A | | 21,520 | | (2) | | 11/17/2030 | Common Stock | 21,520 | \$0.00 | 21,520 | D | | |

Explanation of Responses:

- 1. The shares subject to the option vest in a series of 36 successive equal monthly installments measured from August 12, 2020, subject to the Reporting Person's continuous service through each applicable vesting date. The stock option is early exercisable.
- 2. The shares subject to the option vest in a series of 12 successive equal monthy installments measured from June 1, 2020, subject to the Reporting Person's continuous service through each applicable vesting date. Such shares vest in full on the date of the Issuer's next annual meeting of stockholders if such stock option is not otherwise fully vested by such date, subject to the Reporting Person's continuous service through such vesting date.

Remarks:

/s/ John B. Moriarty, Jr., Attorney-in-Fact

11/19/2020

** 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.