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| OMB APPROVAL | |
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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

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* <u>Sheehy Douglas T.</u> (Last) (First) (Middle) AIMMUNE THERAPEUTICS, INC. 8000 MARINA BOULEVARD, SUITE 300 (Street) BRISBANE CA 94005-1884 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Aimmune Therapeutics, Inc. [AIMT]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) See Remarks |
| | 3. Date of Earliest Transaction (Month/Day/Year) 05/22/2018 | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

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, \$0.0001 par value | 05/22/2018 | | M | | 1,648 | A | \$12.95 | 34,727 ⁽¹⁾⁽²⁾ | D | |
| Common Stock, \$0.0001 par value | 05/22/2018 | | S ⁽³⁾ | | 1,648 | D | \$33 | 33,079 ⁽¹⁾⁽²⁾ | D | |
| Common Stock, \$0.0001 par value | 05/22/2018 | | M | | 1,648 | A | \$12.95 | 34,727 ⁽¹⁾⁽²⁾ | D | |
| Common Stock, \$0.0001 par value | 05/22/2018 | | S ⁽³⁾ | | 1,648 | D | \$33 | 33,079 ⁽¹⁾⁽²⁾ | 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 |
| Stock Option (right to buy) | \$12.95 | 05/22/2018 | | M | | | 1,648 | (4) | 04/29/2026 | Common Stock | 1,648 | \$0.00 | 65,297 | D | |
| Stock Option (right to buy) | \$12.95 | 05/22/2018 | | M | | | 1,648 | (4) | 04/29/2026 | Common Stock | 1,648 | \$0.00 | 63,649 | D | |

Explanation of Responses:

- Includes 32,500 shares represented by restricted stock units ("RSUs") and will be settled in common stock upon vesting. The RSUs vest in four successive, equal, annual installments measured from March 1, 2018, subject to the Reporting Person's continued service relationship with the Issuer on each such vesting date.
- Includes 579 shares acquired on May 15, 2018 pursuant to Issuer's employee stock purchase plan.
- This sale reported in the Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by Reporting Person.
- The shares subject to the option will vest and become exercisable as to 25% of the total number of shares subject to the option on April 4, 2017 and with respect to 1/48th of the total number of shares subject to the option in successive, equal monthly installments on each monthly anniversary thereafter, subject to the Reporting Person's continued service relationship with the Issuer on each such vesting date.

Remarks:

General Counsel and Corporate Secretary

/s/ Douglas T. Sheehy 05/24/2018

** 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.