

Aeglea BioTherapeutics, Inc.
 Form 4/A
 April 14, 2016

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
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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 OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
LILLY ELI & CO

2. Issuer Name and Ticker or Trading Symbol
**Aeglea BioTherapeutics, Inc.
 [AGLE]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
04/12/2016

___ Director ___X___ 10% Owner
 ___ Officer (give title below) ___ Other (specify below)

LILLY CORPORATE CENTER,

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)
04/14/2016

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___ Form filed by One Reporting Person
 ___X___ Form filed by More than One Reporting Person

INDIANAPOLIS, IN 46285

(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)	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)
Common Stock	04/12/2016		C	V Amount 2,010,924 (A) or (D) A	Price \$ 0 (1) 2,068,543	I	by fund (2) (3)

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

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SEC 1474 (9-02)

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

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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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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Reporting Owners

Reporting Owner Name / Address	Relationships				Amount or Number of Shares
	Director	10% Owner	Officer	Other	
LILLY ELI & CO LILLY CORPORATE CENTER INDIANAPOLIS, IN 46285					X
Lilly Ventures Fund I LLC 115 W. WASHINGTON STREET SUITE 1680 SOUTH INDIANAPOLIS, IN 46204					X
Shanafelt Armen C/O LILLY VENTURES 115 W. WASHINGTON STREET, STE 1680 SOUTH INDIANAPOLIS, IN 46204					X

Signatures

Tiffany R. Benjamin, Authorized Person, authorization on file 04/14/2016

**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).
- In connection with the consummation of the Issuer's initial public offering on April 12, 2016, each share of Series A Preferred Stock and
- (1) Series B Preferred Stock automatically converted into one (1) share of Common Stock for no additional consideration, and had no expiration date. All shares of Common Stock issued upon conversion were aggregated.
- These shares are owned directly by Lilly Ventures Fund I LLC (the "Fund"). LV Management Group LLC (the "Management Company")
- (2) has sole voting and dispositive authority with respect to the shares. Dr. Shanafelt disclaims beneficial ownership of the shares held of record by the Fund, except to the extent of his pecuniary interest therein.
- This line item is being re-reported in order to gain access to the filing system. This Form is being amended to include Reporting Owners,
- (3) Lilly Ventures Fund I LLC, and Dr. Shanafelt Armen as beneficial owners of the shares reported in the Form 4, previously filed by Eli Lilly and Company on April 14, 2016.

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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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