

Aeglea BioTherapeutics, Inc.
 Form 4
 April 14, 2016

FORM 4

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

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 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)
LILLY CORPORATE CENTER

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

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

(Street)
INDIANAPOLIS, IN 46285

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

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

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 \$ 0 (1)	2,068,543	I	by fund (2)
Common Stock	04/12/2016		P	V Amount \$ 10	2,568,543	I	by fund (2)

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

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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 Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Series A Preferred Stock	\$ 0	04/12/2016		C	890,476	(1)	(1)	Common Stock	890,476
Series B Preferred Stock	\$ 0	04/12/2016		C	1,120,448	(1)	(1)	Common Stock	1,120,448

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LILLY ELI & CO LILLY CORPORATE CENTER INDIANAPOLIS, IN 46285			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.

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.