Aeglea BioTherapeutics, Inc.

Form 4

March 22, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

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January 31, 2005

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OMB APPROVAL

response...

if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

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 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Lowe David George

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Aeglea BioTherapeutics, Inc. [AGLE]

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction

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

(Month/Day/Year) 03/20/2017

901 S. MOPAC EXPRESSWAY, BARTON OAKS

(Street)

PLAZA ONE, SUITE 250

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

CEO and President

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

AUSTIN, TX 78746

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A)

Reported Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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. Transactic Code (Instr. 8)	5. Number of or 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) (I	. /	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 8.03	03/20/2017		A	160,000		<u>(1)</u>	03/19/2027	Common Stock	160,00

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Lowe David George 901 S. MOPAC EXPRESSWAY BARTON OAKS PLAZA ONE, SUITE 250 AUSTIN, TX 78746	X		CEO and President				

Signatures

/s/ Charles N. York II, by power of 03/22/2017 attorney **Signature of Reporting Person

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).

Date

The stock option vests and becomes exercisable in 48 equal monthly installments beginning on April 20, 2017, until such time as the option is 100% vested, subject to the continuing employment of the Reporting Person on each vesting date.

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.

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