

Aeglea BioTherapeutics, Inc.
 Form 4
 April 12, 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 *
 Novartis Bioventures Ltd

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)

131 FRONT STREET

(Street)

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

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

HAMILTON
 HM12, D0 0000000000

(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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	04/12/2016		C		2,010,924	A	\$ 0 (1)
Common Stock	04/12/2016		P		300,000	A	\$ 10
					2,310,924	D	(2)

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

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 (9-02)

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 ⁽¹⁾	04/12/2016		C	890,476	⁽¹⁾	⁽¹⁾	Common Stock	890,476
Series B Preferred Stock	\$ 0 ⁽¹⁾	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
Novartis Bioventures Ltd 131 FRONT STREET HAMILTON HM12, D0 0000000000		X		
NOVARTIS AG LICHTSTRASSE 35 BASEL, V8 CH 4056		X		

Signatures

/s/ Michael Jones, Deputy Chairman	04/12/2016
__Signature of Reporting Person	Date
/s/ Laurieann Chaikowsky, Authorized Signatory	04/12/2016
__Signature of Reporting Person	Date
/s/ Michael Jones, Authorized Signatory on behalf of Novartis AG	04/12/2016
__Signature of Reporting Person	Date
/s/ Laurieann Chaikowsky, Authorized Signatory on behalf of Novartis AG	04/12/2016
__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 securities are held directly by Novartis Bioventures Ltd. ("Novartis Bioventures"). Novartis Bioventures is a corporation organized

(2) under the laws of Bermuda and is an indirect wholly-owned subsidiary of Novartis AG. Novartis AG is a corporation organized under the laws of Switzerland and is the publicly owned parent of Novartis Bioventures Ltd.

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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