

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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* THIRD ROCK VENTURES LP			2. Issuer Name and Ticker or Trading Symbol Eleven Biotherapeutics, Inc. [EBIO]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) <input type="checkbox"/> Other (specify below) <input type="checkbox"/>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 02/11/2014			6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input type="checkbox"/> <input checked="" type="checkbox"/> Form filed by More than One Reporting Person		
29 NEWBURY STREET, 3RD FLOOR			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) BOSTON MA 02116								
(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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	02/11/2014		C		3,267,716	A	\$0 ⁽¹⁾	3,598,424	D ⁽²⁾	
Common Stock	02/11/2014		C		481,619	A	\$0 ⁽³⁾	4,080,043	D ⁽²⁾	
Common Stock	02/11/2014		C		127,077	A	\$0.0635	4,207,120	D ⁽²⁾	
Common Stock	02/11/2014		C		82,989	A	\$0	4,290,109	D ⁽²⁾	
Common Stock	02/11/2014		P		551,482	A	\$0	4,841,591	D ⁽²⁾	

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	Amount or Number of Shares				
Series A Preferred Stock	(1)	02/11/2014		C			20,750,000	(1)	(1)	Common Stock	3,267,716	\$0	0	D ⁽²⁾	
Series B Preferred Stock	(3)	02/11/2014		C			3,058,281	(3)	(3)	Common Stock	481,619	\$0	0	D ⁽²⁾	
Common Stock Warrant (right to purchase)	\$0.0635	02/11/2014		C			127,077	(4)	(4)	Common Stock	127,077	\$0	0	D ⁽²⁾	
Common Stock Warrant (right to purchase)	\$0.0635	02/11/2014		C			82,989	(5)	(5)	Common Stock	82,989	\$0	0	D ⁽²⁾	

1. Name and Address of Reporting Person*
THIRD ROCK VENTURES LP

(Last) (First) (Middle)
29 NEWBURY STREET, 3RD FLOOR

(Street)
BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*
Third Rock Ventures GP, L.P.

(Last) (First) (Middle)
29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[TRV GP, LLC](#)

(Last) (First) (Middle)

29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[STARR KEVIN P](#)

(Last) (First) (Middle)

29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[TEPPER ROBERT I](#)

(Last) (First) (Middle)

29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[LEVIN MARK J](#)

(Last) (First) (Middle)

29 NEWBURY STREET, 3RD FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

Explanation of Responses:

1. The Series A Preferred Stock converted automatically into Common Stock on a 6.350 for-one basis upon the closing of the initial public offering of Eleven Biotherapeutics, Inc. (the "Issuer") without payment of additional consideration and had no expiration date.
2. The shares are directly held by Third Rock Ventures, L.P. ("TRV"). The general partner of TRV is Third Rock Ventures GP, L.P. ("TRV GP"). The general partner of TRV GP is TRV GP, LLC ("TRV GP LLC"). The individual managers of TRV GP, LLC are Mark Levin ("Levin"), Kevin Starr ("Starr") and Dr. Robert Tepper ("Tepper") and, as such, each of TRV GP and TRV GP LLC, Levin, Starr and Tepper exercises shared voting and investment power over the shares held of record by TRV. Each of the filing persons disclaims beneficial ownership of the shares except to the extent of their pecuniary interest therein, if any.
3. The Series B Preferred Stock converted automatically into Common Stock on a 6.350 for-one basis upon the closing of the initial public offering of the Issuer without payment of additional consideration and had no expiration date.
4. The Warrant to purchase Common Stock was exercised automatically upon the closing of the Issuer's initial public offering and had an expiration date of June 28, 2018.
5. The Warrant to purchase Common Stock was exercised automatically upon the closing of the Issuer's initial public offering and had an expiration date of December 4, 2018.

Remarks:

[/s/ Kevin Gillis, Chief Financial Officer of TRV GP, LLC, general partner of Third Rock Ventures GP, L.P., general partner of Third Rock Ventures, L.P.](#) [02/13/2014](#)

[/s/ Kevin Gillis, Chief Financial Officer of TRV GP, LLC, general partner of Third Rock Ventures GP, L.P.](#) [02/13/2014](#)

[/s/ Kevin Gillis, Chief Financial Officer of TRV GP, LLC](#) [02/13/2014](#)

[/s/ Kevin Gillis by Power of attorney for Kevin Starr](#) [02/13/2014](#)

[/s/ Kevin Gillis by Power of attorney for Dr. Robert Tepper](#) [02/13/2014](#)

/s/ Kevin Gillis by Power of
attorney for Mark Levin

02/13/2014

** 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.