(Last)

(Street) BOSTON

(City)

(First)

MA

(State)

29 NEWBURY STREET, 3RD FLOOR

(Middle)

02116

(Zip)

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

	Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. <i>See</i> Instruction 1(b).
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APP	ROVAL
OMB Number:	3235-0287
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h	0.5

nours per response:	0.5
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					2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner						
	RD ROCK	VENTURES, L				3. Date of Earliest Transaction (Month/Day/Year) 11/18/2015							Offic below	er (give title w)	Other below	(specify)		
29 NEWBURY STREET, 3RD FLOOR			4. If A	mendment	t, Date of	f Original	Filed	(Month/Da	y/Year)				r Joint/Group	p Filing (Check A	Applicable			
(Street) BOSTON	N M	A ()2116			lf Amendment, Date of Original Filed (Month/Day/Year)								Line) Form filed by One Reporting Person X Form filed by More than One Reporting Person				
(City)	(St	tate) (Zip)															
		Tabl	e I - No	n-Deriv	ative S	ecuriti	es Acq	uired,	Dis	posed o	f, or E	Benef	iciall	y Owne	ed			
D			2. Trans Date (Month/	action Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)						Securi Benefi	icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code	v	Amount	(A) (D)) or	Price	Transa	action(s) 3 and 4)		(1130.4)	
Common	Stock			11/18	3/2015			J ⁽¹⁾		739,30	6	D	\$ <mark>0</mark>	6,6	53,753	D ⁽²⁾		
Common	Stock			11/18	8/2015			J ⁽³⁾		220,38	7.	A	\$ <mark>0</mark>	22	20,387	D ⁽⁴⁾		
Common	Stock			11/18	3/2015			J ⁽⁵⁾		220,38	7	D	\$ <mark>0</mark>		0	D ⁽⁴⁾		
Common	Stock			11/18	8/2015			J ⁽⁶⁾		40,290) .	A	\$ <mark>0</mark>	4	0,290	D		
Common	Stock			11/18	3/2015			J ⁽⁷⁾		40,290) .	A	\$ <mark>0</mark>	4	0,290	D		
Common	Stock			11/18	3/2015			J ⁽⁸⁾		40,290)	A	\$ <mark>0</mark>	4	0,290	D		
				n	in Car		Acqui	rad D	iono	sed of,	or Be	nefic	ially (Owned				
		Ta								onvertib				owneu				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Ta 3. Transaction Date (Month/Day/Year)		e.g., p		Is, warr	vants, o umber vative urities uired or osed)) r. 3, 4	option	S, Co xercis	able and		and and tof ties ying tive	8. 0 (II	Price of erivative ecurity nstr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
Derivative Security	Conversion or Exercise Price of Derivative	3. Transaction Date	3A. Deem Execution if any	e.g., p	4. Transacti Code (Ins	Is, warr	rants, o umber vative urities uired or oosed)) r. 3, 4 5)	option 6. Date E Expiratio	S, CO xercis in Data bay/Ye	Expiration	7. Title Amour Securi Underl Deriva Securi	and and tof ties ying tive	r. 3	Price of erivative ecurity	derivative Securities Beneficially Owned Following Reported Transaction	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership	
Derivative Security (Instr. 3) 1. Name ar	Conversion or Exercise Price of Derivative Security d Address of	3. Transaction Date	3A. Deem Execution if any	e.g., p	uts, cal 4. Transacti Code (Ins 8)	Is, warr	rants, o umber vative urities uired or oosed)) r. 3, 4 5)	Option 6. Date E Expiratio (Month/D	S, CO xercis in Data bay/Ye	Expiration	le sec 7. Title Amour Securi Underl Deriva Securi and 4)	Amou of Numb Amou or Numb of	r. 3	Price of erivative ecurity	derivative Securities Beneficially Owned Following Reported Transaction	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership	
1. Name ar Third F (Last) C/O THI	Conversion or Exercise Price of Derivative Security and Address of Rock Vent	3. Transaction Date (Month/Day/Year)	A. Deem Execution if any (Month/D	(e.g., p ed 1 Date, ay/Year)	uts, cal 4. Transacti Code (Ins 8)	Is, warr	rants, o umber vative urities uired or oosed)) r. 3, 4 5)	Option 6. Date E Expiratio (Month/D	S, CO xercis in Data bay/Ye	Expiration	le sec 7. Title Amour Securi Underl Deriva Securi and 4)	Amou of Numb Amou or Numb of	r. 3	Price of erivative ecurity	derivative Securities Beneficially Owned Following Reported Transaction	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership	
1. Name ar Third F (Last) C/O THI	Conversion or Exercise Price of Derivative Security and Address of Rock Vent RD ROCK BURY STR	3. Transaction Date (Month/Day/Year)	A. Deem Execution if any (Month/D	(e.g., p ed 1 Date, ay/Year)	uts, cal 4. Transacti Code (Ins 8)	Is, warr	rants, o umber vative urities uired or oosed)) r. 3, 4 5)	Option 6. Date E Expiratio (Month/D	S, CO xercis in Data bay/Ye	Expiration	le sec 7. Title Amour Securi Underl Deriva Securi and 4)	Amou of Numb Amou or Numb of	r. 3	Price of erivative ecurity	derivative Securities Beneficially Owned Following Reported Transaction	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership	
1. Name ar Third F (Last) C/O THI 29 NEW (Street)	Conversion or Exercise Price of Derivative Security and Address of Rock Vent RD ROCK BURY STR	3. Transaction Date (Month/Day/Year) Reporting Person* TUPES II, L.P. (First) VENTURES, LI REET, 3RD FLO	3A. Deem Execution if any (Month/D (Midl LC OR	(e.g., p ed 1 Date, ay/Year) dle)	uts, cal 4. Transacti Code (Ins 8)	Is, warr	rants, o umber vative urities uired or oosed)) r. 3, 4 5)	Option 6. Date E Expiratio (Month/D	S, CO xercis in Data bay/Ye	Expiration	le sec 7. Title Amour Securi Underl Deriva Securi and 4)	Amou of Numb Amou or Numb of	r. 3	Price of erivative ecurity	derivative Securities Beneficially Owned Following Reported Transaction	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership	

1. Name and Address or <u>TRV GP II, LLC</u>		
(Last)	(First)	(Middle)
	REET, 3RD FLOOR	(
(Street)		
BOSTON	MA	02116
(City)	(State)	(Zip)
1. Name and Address o LEVIN MARK		
(Last)	(First)	(Middle)
29 NEWBURY STI	REET, 3RD FLOOR	
(Street)		
BOSTON	MA	02116
(City)	(State)	(Zip)
1. Name and Address or STARR KEVIN		
(Last)	(First)	(Middle)
29 NEWBURY STI	REET, 3RD FLOOR	
(Street)		
BOSTON	MA	02116
(City)	(State)	(Zip)
1. Name and Address or TEPPER ROBE		
(Last)	(First)	(Middle)
29 NEWBURY STI	REET, 3RD FLOOR	
(Street)		
BOSTON	MA	02116
(City)	(State)	(Zip)

Explanation of Responses:

1. Distribution of shares in kind by Third Rock Ventures II, L.P. ("TRV") on a pro rata basis to its partners.

2. The shares are directly held by TRV. The general partner of TRV is Third Rock Ventures GP II, L.P. ("TRV GP"). The general partner of TRV GP II, LLC ("TRV GP LLC"). The individual managers of TRV GP LLC are Mark Levin ("Levin"), Kevin Starr ("Starr") and Dr. Robert Tepper") and, as such, each of TRV GP, TRV GP LLC, Levin, Starr and Tepper exercises shared voting and investment power over the shares held of record by TRV. Each of the Reporting Persons disclaims beneficial ownership of the shares except to the extent of their pecuniary interest therein, if any. 3. TRV GP received shares distributed in kind by TRV on a pro rata basis to its partners.

4. The shares are directly held by TRV GP. As such, each of TRV GP LLC, Levin, Starr and Tepper exercises shared voting and investment power over the shares held of record TRV GP. Each of the Reporting Persons disclaims beneficial ownership of the shares except to the extent of its pecuniary interest therein, if any.

5. Distribution of shares in kind by TRV GP on a pro rata basis to its partners.

6. Levin received shares distributed in kind by TRV GP on a pro rata basis to its partners.

7. Starr received shares distributed in kind by TRV GP on a pro rata basis to its partners.

8. Tepper received shares distributed in kind by TRV GP on a pro rata basis to its partners.

Remarks:

/s/ Third Rock Ventures II, L.P by Third Rock Ventures GP II, L.P. its general partner by TRV GP II, LLC its general partner	11/18/2015
/s/ Third Rock Ventures GP II, L.P. by TRV GP II, LLC its general partner	<u>11/18/2015</u>
<u>/s/ TRV GP II, LLC</u>	<u>11/18/2015</u>
<u>/s/ Kevin Gillis by power of attorney for Mark Levin</u>	<u>11/18/2015</u>
<u>/s/ Kevin Gillis by power of attorney for Kevin Starr</u>	<u>11/18/2015</u>
<u>/s/ Kevin Gillis by power of</u>	<u>11/18/2015</u>

attorney for Dr. Robert Tepper

** 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.