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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. See
Instruction 1(b).

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 APPROVAL											
OMB Number:	3235-0287										
Estimated average burden											

hours per response:	0.5
Estimated average burden	

			2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC]	(Check	tionship of Reporting Pe all applicable) Director Officer (give title	erson(s) to Issuer 10% Owner Other (specify
			3. Date of Earliest Transaction (Month/Day/Year) 03/04/2019		below) Chief Scientifi	below)
(Street) CAMBRIDGE (City)	MA (State)	02139 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	ridual or Joint/Group Filir Form filed by One Re Form filed by More tha Person	porting Person

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

Table 1 Hon Bernative Bedanices Acquirea, Disposed on or Benenolary owned										
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)		ansaction Disposed Of (D) (Instr. 3, 4 and 5) ode (Instr.		5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(1150.4)
Common Stock	03/04/2019		M ⁽¹⁾		2,300	A	\$37.11	2,300	D	
Common Stock	03/04/2019		S ⁽¹⁾		295	D	\$87.73(2)	2,005	D	
Common Stock	03/04/2019		S ⁽¹⁾		498	D	\$85.64(3)	1,507	D	
Common Stock	03/04/2019		S ⁽¹⁾		600	D	\$84.72(4)	907	D	
Common Stock	03/04/2019		S ⁽¹⁾		800	D	\$83.16 ⁽⁵⁾	107	D	
Common Stock	03/04/2019		S ⁽¹⁾		107	D	\$82.56(6)	0	D	

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. Transa Code (8)		of Deri Sec Acq (A) (Disp of (I	osed)) tr. 3, 4	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				
Stock Option (Right to Buy)	\$37.11	03/04/2019		M ⁽¹⁾			2,300	(7)	11/21/2026	Common Stock	2,300	\$0	75,600	D	

Explanation of Responses:

1. Effected pursuant to a trading plan adopted on December 18, 2017 pursuant to Rule 10b5-1 under the Securities Exchange Act of 1934, as amended.

2. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$87.57 to \$88.04 per share. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (2) through (6) to this Form 4.

3. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$85.24 to \$86.19 per share.

4. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$84.17 to \$85.05 per share.

5. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$82.63 to \$83.58 per share.

6. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$82.53 to \$82.56 per share.

7. This option was granted on November 21, 2016. This option vested with respect to 25% of the shares underlying the option on November 21, 2017 and vests as to an additional 1/48th of the shares underlying the option each month thereafter.

<u>/s/ Christopher Frankenfield</u>,

Attorney-in-Fact

03/06/2019

** 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.