SEC Form 4	
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(Street)

(City)

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).

(State)

(Zip)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

Person

Instruction 1(b). Fil	ed 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 [*] <u>Haviland Kate</u>	2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner
(Last) (First) (Middle) C/O BLUEPRINT MEDICINES CORPORATION 38 SIDNEY STREET, SUITE 200	3. Date of Earliest Transaction (Month/Day/Year) 03/14/2017	- X Oncer (give the Other (specify below) below) Chief Business Officer
(Street) CAMBRIDGE MA 02139	4. If Amendment, Date of Original Filed (Month/Day/Year) 03/16/2017	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting

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

Table 1 - Non-Derivative decunities Acquired, Disposed of, or Denenotary 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 Disposed Of			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	03/14/2017		M ⁽¹⁾		12,714	A	\$16.28	12,714	D	
Common Stock	03/14/2017		S ⁽²⁾		12,714	D	\$40.01 ⁽³⁾	0	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

		1	1					1							
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		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)	\$16.28	03/14/2017		M ⁽¹⁾			12,714	(4)	02/01/2026	Common Stock	12,714	\$0	127,286 ⁽⁵⁾	D	

Explanation of Responses:

1. The exercise reported on this Form 4 was effected pursuant to a trading plan adopted pursuant to Rule 10b5-1 under the Securities Exchange Act of 1934, as amended (the "Exchange Act").

2. The sales reported on this Form 4 were effected pursuant to a trading plan adopted pursuant to Rule 10b5-1 under the Exchange Act.

3. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$39.77 to \$40.27 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 range.

4. This option was granted on February 1, 2016. This option vests with respect to 25% of the shares underlying the option on January 5, 2017 and as to an additional 1/48th of the shares underlying the option each month thereafter.

5. Table II, column 9 of the Form 4 filed on March 16, 2017 (the "Original Form 4") inadvertently omitted an aggregate of 40,000 shares underlying stock options, which the Reporting Person previously reported on a Form 4 filed on February 21, 2017. This amendment is being filed to increase the aggregate number of shares underlying derivative securities reported in Table II, column 9 of the Original Form 4 by 40,000 shares.

/s/ Christopher Frankenfield,	
Attorney-in-Fact	

06/30/2017

Date

** Signature of Reporting Person

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.