FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	S IN BENEFICIA	L OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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* <u>Haviland Kate</u>						2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC]								(Check	all application	cable)	g Pers	g Person(s) to Issuer 10% Owner Other (spec	
	`	MEDICINES CC	(Middle) ORPORA	ATION		3. Date of Earliest Transaction (Month, 02/27/2018								X	below) Chief Busines			below)	
(Street) CAMBRIDGE MA 02139					_ 4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								5. Indiv _ine) X	,				
(City)	(S	itate)	(Zip)																
		Tab	le I - No	on-Deriv	ative	Sec	uriti	ies Ac	quired	, Dis	sposed o	of, or Be	enefici	ially	Owned	l			
			2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)				4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a			nd 5) Securiti		es ally Following	Form:	: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)				(111301. 4)
Common Stock			02/27/	/2018				M ⁽¹⁾		3,200	A	\$36	.05	9,	,074		D		
Common	ommon Stock			02/27/	7/2018				S ⁽²⁾		200	D	\$90.	.7 ⁽³⁾ 8,		874		D	
Common Stock			02/27/	′/2018				S ⁽²⁾		200	D	\$89.	47 ⁽⁴⁾	8,	,674		D		
Common Stock 02/2				02/27/	2018	2018					1,035	D	\$88.	.32 ⁽⁵⁾		7,639		D	
Common Stock 02/27/2				2018	.018		S ⁽²⁾		1,765	D	\$87.	\$87.7 ⁽⁶⁾		5,874		D			
		7	able II								osed of converti				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deer Execution if any (Month/E	ned 4.		ction	5. Number of		6. Date Exercis Expiration Dat (Month/Day/Ye		sable and	7. Title ar Amount of Securities Underlyir Derivative (Instr. 3 a	nd of s ng e Securit	8. De Se	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly Di or	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares	er					
Stock Option (Right to Buy)	\$36.05	02/27/2018			M ⁽¹⁾			3,200	(7)		02/16/2027	Common Stock	3,20	0	\$0	125,01	0	D	

Explanation of Responses:

- 1. The exercise reported on this Form 4 was effected pursuant to a trading plan adopted on December 21, 2017 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 on December 21, 2017 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 \$90.65 to \$90.75 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 (3) through (6) to this Form 4.
- 4. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$89.14 to \$89.74 per share.
- 5. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$88.09 to \$88.98 per share.
- 6. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$87.08 to \$88.05 per share.
- 7. This option was granted on February 16, 2017. This option vested with respect to 1/48th of the shares underlying the option on March 16, 2017 and as to an additional 1/48th of the shares underlying the option each month thereafter.

/s/ Christopher Frankenfield, 03/01/2018 Attorney-in-Fact

** 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.