FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

OMB APPROVAL										
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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

(Last) C/O BLU	Marion (Fi	MEDICINES CO	Middle)	TION	3. E	2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC] 3. Date of Earliest Transaction (Month/Day/Year) 09/23/2020									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) Chief Scientific Officer					
(Street) CAMBR (City)	IDGE M	Α (02139 Zip)		4. lf	4. If Amendment, Date of Original Filed (Month/Day/Year)									dividual or Joint/Group Filing (Check Applicable) Form filed by One Reporting Person Form filed by More than One Reporting Person					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					ar) Ē	Executi f any	A. Deemed xecution Date, any Month/Day/Year)		Transaction Dispose Code (Instr. 5)		ties Acqui d Of (D) (In		4 and Securiti Benefic Owned		es ally Following	Form:	Direct Indirect Itr. 4)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	t (A) or Pr		rice	Reported Transact (Instr. 3	tion(s)			(Instr. 4)	
Common Stock 09/23/2						2020		M ⁽¹⁾		4,600	4,600 A \$		\$37.11	19,850		D				
Common Stock 09/23/2					3/2020)			S ⁽¹⁾		4,600) D		\$89	\$89 15,250		250 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. Deeme Execution if any (Month/Da	Date, Trans		iction Instr.	5. Number 6		6. Date E Expiratio (Month/D	n Date		nd 7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		urity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactior (Instr. 4)	y G	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisal		xpiration ate	Title	or	mber ares						
Stock Option (Right to	\$37.11	09/23/2020			M ⁽¹⁾			4,600	(2)	1	1/21/2026	Common Stock	4,0	600	\$0	57,200		D		

Explanation of Responses:

- 1. Effected pursuant to a trading plan adopted on April 3, 2019 pursuant to Rule 10b5-1 under the Securities Exchange Act of 1934, as amended.
- 2. 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.

/s/ Christopher Frankenfield, Attorney-in-Fact

09/25/2020

** Signature of Reporting Person Da

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.