FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, I	D.C. 20549
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STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

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

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

Name and Address of Reporting Person* Dorsch Marion (Last) (First) (Middle) C/O BLUEPRINT MEDICINES CORPORATION					3. D	Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC] January (Month/Day/Year) O2/22/2021										Officer (give title			10% Owner Other (specify below)
45 SIDNEY STREET (Street)				4. If	Ame	ndmer	nt, Date	of Origir	al File	d (Month/I	Line	e)	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person						
CAMBR (City)			02139 (Zip)												X Form to				
		Tab	le I - Noi	n-Deriv	ative	Se	curiti	ies Ac	quire	l, Dis	posed	of, o	r Ben	eficial	ly Owned	t l			
, (2. Transaction Date (Month/Day/Year)		ar) E	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr.		Dispose	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			Benefic Owned	es ally Following	Form (D) o	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
										v	Amount		(A) or (D)	Price	Transac	Reported Transaction(s) (Instr. 3 and 4)			
Common Stock 02				02/22	/2021				M ⁽¹		7,57	8	A	\$37.1	1 22	2,828		D	
Common Stock 02/22				/2021				S ⁽¹⁾		7,57	8	D	\$100	15	5,250		D		
		T	able II -								osed o				Owned				
Security or I (Instr. 3) Pric	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date,		ransaction ode (Instr.		n of		6. Date Exercisa Expiration Date (Month/Day/Yea		Amo Sec Und Deri	7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	y G	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis		Expiration Date	Title		Amount or Number of Shares					
Stock Option (Right to	\$37.11	02/22/2021			M ⁽¹⁾			7,578	(2)		11/21/2026		nmon ock	7,578	\$0	40,422		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

02/24/2021

** 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.