FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

wasnington,	D.C.	20549	
wasnington,	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

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* Hewes L. Becker					2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC]										all appli Directo	cable)	g Person(s) to Iss 10% Ow Other (s		ner
(Last) (First) (Middle) C/O BLUEPRINT MEDICINES CORPORATION 45 SIDNEY STREET					3. Date of Earliest Transaction (Month/Day/Year) 09/15/2021								Λ	below) below) Chief Medical Officer					
(Street)			02139		_ 4.1	f Amer	ndmei	nt, Date	e of Original Filed (Month/Day/Year)					Individual or Joint/Group Filing (Check Applic Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	((Zip)		<u> </u>			_								_			
Table I - Non-Deriv. 1. Title of Security (Instr. 3) 2. Transact Date (Month/Day				tion	on 2A. Deemed Execution Date,		ed n Date,	3. Transaction Code (Instr.		4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a		I (A) or	5. Amo Securit Benefic		unt of es ially Following	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		Transac	ansaction(s) instr. 3 and 4)			
Common	Stock			09/15/2	2021				M ⁽¹⁾		8,750	A	\$66.2	24	38	3,020		D	
Common	Stock			09/15/2	2021				S ⁽¹⁾		4,140	D	\$101.9)2 ⁽²⁾	33	,880		D	
Common	Stock			09/15/2	2021				S ⁽¹⁾		5,759	D	\$101.0) 4 ⁽³⁾	28	,121	D		
Common	Stock			09/15/2	2021				S ⁽¹⁾		1,734	D	\$100.0)5 ⁽⁴⁾	26	26,387		D	
Common	Stock 09/15/20			2021)21			S ⁽¹⁾		200	D	\$99.0	\$99.07(5)		26,187		D		
		7	Γable II								posed of				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		if any	med on Date,	4. Transa	ansaction de (Instr.		5. Number of		_	isable and	7. Title ar Amount of Securities Underlyin Derivative (Instr. 3 a	nd of s ng e Security nd 4)	8. De Se (In	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly Own For Dire or In (I) (I	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amount or Number of Shares						
Stock Option (Right to	\$66.24	09/15/2021			M ⁽¹⁾			8,750	(6)		06/01/2030	Common Stock	8,750		\$0	26,250)	D	

Explanation of Responses:

- 1. Effected pursuant to a trading plan adopted on August 13, 2021 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 \$101.45 to \$102.44 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 (5) in this form 4.
- 3. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$100.49 to \$101.40 per share.
- 4. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$99.60 to \$100.32 per share.
- 5. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$98.92 to \$99.20 per share.
- 6. This option was granted on June 1, 2020. This option vested with respect to 1/48th of the shares underlying the option on June 1, 2021 and as to an additional 1/48th of the shares underlying the option each month thereafter.

/s/ Ariel Hurley, Attorney-in-

09/17/2021

Fact

** 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.