Instruction 1(b).

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: 3235-0287 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* Durso-Bumpus Debra						2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC]								neck all ap Dire V Offic	ctor er (give title	g Pers	10% Ov	vner	
(Last) (First) (Middle) C/O BLUEPRINT MEDICINES CORPORATION 45 SIDNEY STREET						3. Date of Earliest Transaction (Month/Day/Year) 11/01/2021								Chief People Officer					
(Street) CAMBR	IDGE M	[A	02139		_ 4. li	Line)								Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person				n	
(City)	(S	tate)	(Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, ar) if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a) Secui Bene	icially d Following	Form (D) o	Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership				
								Code	v	Amount	(A) or (D)	Price	Trans	action(s) 3 and 4)			(Instr. 4)		
Common Stock 11/01/2021				2021	21			M ⁽¹⁾		1,925	A	\$18	3	32,799		D			
Common Stock 11/0			11/01/2	2021				M ⁽¹⁾		3,252	A	\$36.0	36,051			D			
Common Stock			11/01/2	./2021				S ⁽¹⁾		1,925	D	\$115.03	34,126			D			
Common Stock 11/01				2021				S ⁽¹⁾		1,652	D	\$112.22	2 ⁽³⁾ 32,474			D			
Common Stock 11/01/20					2021)21			S ⁽¹⁾ 1,6		1,600	D	\$111.47	7(4)	80,874		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. Deer Execution if any (Month/I	med	4. Transa Code (8)	ction	5. Number		6. Date Exercis Expiration Dat (Month/Day/Ye		isable and	7. Title an Amount o Securities Underlyin Derivative (Instr. 3 a	d if is g e Security nd 4)	8. Price of Derivativ Security (Instr. 5)		i C	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amount or Number of Shares						
Stock Option (Right to Buy)	\$36.05	11/01/2021			M ⁽¹⁾			3,252	(5)		02/16/2027	Common Stock	3,252	\$0	24,200	0	D		

Explanation of Responses:

\$18

Stock Option

Buy)

(Right to

- 1. Effected pursuant to a trading plan adopted on February 19, 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 \$115.00 to \$115.12 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 set forth
- 3. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$111.94 to \$112.93 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 set forth herein.
- 4. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$111.11 to \$111.88 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 set forth
- 5. This option was granted on February 16, 2017 and fully vested as of the date hereof.
- $6.\ This\ option$ was granted on April 27, 2015 and fully vested as of the date hereof.

11/01/2021

/s/ Ariel Hurley, Attorney-in-

1,925

11/03/2021

7,041

Fact

Common

Stock

04/27/2025

** 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.