FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

UIVIB APPROVAL									
OMB Number:	3235-028								
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hours per response:

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 Sec	tion 30(n) (oi trie	Investment	Con	ірапу Асі	01 1940						
1. Name and Address of Reporting Person* McCain Tracey L			2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC] 3. Date of Earliest Transaction (Month/Day/Year) 10/03/2016								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owne						
(Last) (First) (Middle) C/O BLUEPRINT MEDICINES CORPORATION 38 SIDNEY STREET, SUITE 200												below)	Officer (give title below) EVP and Chief Leg		Other (s below) gal Officer		
(Street) CAMBRIDGE MA 02139 (City) (State) (Zip)			4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						Line	Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
		Та	ble I - Non-De	erivati	ve Se	ecurities	s Ac	quired, E	Disp	osed o	f, or Be	neficially	/ Owned				
1. Title of Security (Instr. 3) 2. Transc Date (Month/D			е	action 2A. Deemed Execution Date, if any (Month/Day/Yea		e, Transaction Dis Code (Instr.			ecurities Acquired (A) o posed Of (D) (Instr. 3, 4		Beneficia Owned Fe	s Following (I)	Form (D) or	orm: Direct O) or Indirect) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
							Code V		Amount	(A) (D)	Price	Reported Transacti (Instr. 3 a	ction(s)			1150.4)	
			Table II - Der (e.g					uired, Di					Owned				
Derivative Conversion Date		3. Transaction Date (Month/Day/Year)	Date Execution Date, Tr		ansaction bde (Instr. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable		opiration ate	Title	Amount or Number of Shares		(Instr. 4)			
Stock Option (Right to	\$28.36	10/03/2016 ⁽¹⁾		A		100,000		(2)	10)/03/2026	Common Stock	100,000	\$0	100,0	00	D	

Explanation of Responses:

- 1. In accordance with the Issuer's equity award grant policy, this option was granted effective as of the first day of the month following the commencement of the Reporting Person's employment with the Issuer on Sentember 6, 2016
- 2. This option vests with respect to 25% of the shares underlying the option on September 6, 2017 and as to an additional 1/48th of the shares underlying the option each month thereafter.

/s/ Christopher Frankenfield,

10/04/2016

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.