Instruction 1(b).

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

	OTATELIENT OF CHANGES IN DENERIOUS COMMERCE	
Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL OWNERSH	HР
Section 16. Form 4 or Form 5		
obligations may continue. See		

OMB APPROVAL 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* Lengauer Christoph (Last) (First) (Middle)						2. Issuer Name and Ticker or Trading Symbol Blueprint Medicines Corp [BPMC] 3. Date of Earliest Transaction (Month/Day/Year)									k all app Dired Offic below	olicable) ctor er (give title w)	g Person(s) to 1 10% Other below	wner (specify
C/O BLUEPRINT MEDICINES CORPORATION 38 SIDNEY STREET, SUITE 200					04/11/2016													
(Street) CAMBR (City)			02139 (Zip)		, 4. lf	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Ind Line)	Forn	or Joint/Group Filing (Check Applicable rm filed by One Reporting Person rm filed by More than One Reporting rson			
		Tab	le I - No	n-Deriv	ative	Sec	uritie	s Ac	quired	l, Dis	sposed o	f, or E	Benef	icially	Owne	ed		
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day					Execution (/Year) if any		ution Date,		Transaction Disposed C		es Acquired (A) o Of (D) (Instr. 3, 4		or and 5)	Secur Benef	icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) (D)	Pri	ce	Trans	action(s) 3 and 4)		(Instr. 4)
Common	Stock			04/11/	2016				S ⁽¹⁾		8,537	D	\$	20.3 ⁽²⁾	3 ⁽²⁾ 82,845 D			
Common	Stock			04/12/	2016				S ⁽¹⁾		10,316	D	\$2	20.01(3)	.01 ⁽³⁾ 72,529 D			
		Та	able II -								osed of, convertib				wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deel Execution if any (Month/I	on Date,	4. Transacti Code (Ins 8)				6. Date Expirati (Month/	ion Da		7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)		Der Sed (Ins	rice of ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	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	Amou or Numb of Share	er				

Explanation of Responses:

- 1. The sales reported on this Form 4 were effected pursuant to a trading plan adopted 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 \$20.07 to \$20.71 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.
- 3. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$20.00 to \$20.05 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.

/s/ Christine Bellon, Attorney-

in-Fact

** Signature of Reporting Person

Date

04/13/2016

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.