UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934 (Amendment No.)

Filed by the Registrant Filed by a Party other than the Registrant Check the appropriate box: Preliminary Proxy Statement Definitive Proxy Statement Definitive Proxy Statement Definitive Additional Materials Soliciting Material Pursuant to §240.14a-12 BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. 10				
Preliminary Proxy Statement Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2)) Definitive Proxy Statement Definitive Proxy Statement Definitive Additional Materials Soliciting Material Pursuant to §240.14a-12 BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(j)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is cand state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.:		•	Filed by a Party other than the Registrant $\ \Box$	
Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2)) Definitive Proxy Statement Definitive Additional Materials Soliciting Material Pursuant to \$240.14a-12 BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is cand state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previously paid: (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: Filing Party:	the appi	ropriate box:		
 □ Definitive Proxy Statement □ Definitive Additional Materials □ Soliciting Material Pursuant to §240.14a-12 ■ BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): ☑ No fee required. □ Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filling fee is cand state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: □ Fee paid previously with preliminary materials: (Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filling for which the offsetting fee was paid previously. It the previous filing by registration statement number, or the Form or Schedule and the date of its filling. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filling Party: 	Prelin	ninary Proxy Statement	t	
Definitive Additional Materials Soliciting Material Pursuant to §240.14a-12 BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is can and state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. It the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	Confi	dential, for Use of the	Commission Only (as permitted by Rule 14a-6(e)(2))	
BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is cannot state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. It the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	Defin	initive Proxy Statement		
BLUEPRINT MEDICINES CORPORATION (Name of Registrant as Specified in its Certificate of Incorporation) (Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is ca and state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: [3) Filing Party:	Defin	initive Additional Materials		
Name of Registrant as Specified in its Certificate of Incorporation) Name of Person(s) Filing Proxy Statement, if Other Than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required.	Solici	ting Material Pursuant	to §240.14a-12	
Payment of Filing Fee (Check the appropriate box): No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is called and state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. If the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:		B		
No fee required. Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is called and state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. It the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:				
Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11. (1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is cand state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.:			propriate box):	
(1) Title of each class of securities to which transaction applies: (2) Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is cand state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	No fee	fee required.		
Aggregate number of securities to which transaction applies: (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is ca and state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. If the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.:	Fee co	mputed on table below	per Exchange Act Rules 14a-6(i)(1) and 0-11.	
Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is call and state how it was determined): Proposed maximum aggregate value of transaction Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. If the previous filing by registration statement number, or the Form or Schedule and the date of its filing. Amount previously paid: Form, Schedule or Registration Statement No.: Filing Party:	(1)	Title of each class of	securities to which transaction applies:	
and state how it was determined): (4) Proposed maximum aggregate value of transaction (5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	(2)	Aggregate number of	f securities to which transaction applies:	
(5) Total fee paid: Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	(3)			
Fee paid previously with preliminary materials: Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	(4)	Proposed maximum a	aggregate value of transaction	
Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. I the previous filing by registration statement number, or the Form or Schedule and the date of its filing. (1) Amount previously paid: (2) Form, Schedule or Registration Statement No.: (3) Filing Party:	(5)	Total fee paid:		
(2) Form, Schedule or Registration Statement No.: (3) Filing Party:	Check	box if any part of the f	ee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify	
(3) Filing Party:	(1)	Amount previously pa	aid:	
	(2)	Form, Schedule or Re	gistration Statement No.:	
	(3)	Filing Party:		
(4) Date Filed:	(4)	Date Filed:		
		-		
		Prelin Confi Defin Solici Soli	the appropriate box: Preliminary Proxy Statement Confidential, for Use of the Definitive Proxy Statement Definitive Additional Material Soliciting Material Pursuant Bint of Filing Fee (Check the appropriate of the previous of the previ	

0000460146_I R1.0.1.18

*** Exercise Your Right to Vote ***

Important Notice Regarding the Availability of Proxy Materials for the Stockholder Meeting to Be Held on June 23, 2020

BLUEPRINT MEDICINES CORPORATION

Meeting Information

Meeting Type: Annual Meeting For holders as of: April 24, 2020

Date: June 23, 2020 Time: 3:30 PM EDT

Location: Meeting live via the Internet - please visit
www.virtualshareholdermeeting.com/BPMC2020

BLUEPRINT MEDICINES CORPORATION ATTN: TRACEY L. MCCAIN 45 SIDNEY STREET CAMBRIDGE, MA 02139 You are receiving this communication because you hold shares in the above named company.

This is not a ballot. You cannot use this notice to vote these shares. This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. You may view the proxy materials online at www.proxyvote.com or easily request a paper copy (see reverse side).

We encourage you to access and review all of the important information contained in the proxy materials before voting.

See the reverse side of this notice to obtain proxy materials and voting instructions.

— Before You Vote —

How to Access the Proxy Materials

Proxy Materials Available to VIEW or RECEIVE:

1. Notice & Proxy Statement 2. Annual Report to Stockholders

How to View Online:

Have the information that is printed in the box marked by the arrow \Rightarrow $\boxed{xxxx xxxx xxxx xxxx}$ (located on the following page) and visit: www.proxyvote.com

How to Request and Receive a PAPER or E-MAIL Copy:

If you want to receive a paper or e-mail copy of these documents, you must request one. There is NO charge for requesting a copy. Please choose one of the following methods to make your request:

1) BY INTERNET: www.proxyvote.com 2) BY TELEPHONE: 1-800-579-1639

3) BY E-MAIL*: sendmaterial@proxyvote.com

* If requesting materials by e-mail, please send a blank e-mail with the information that is printed in the box marked by the arrow \rightarrow xxxx xxxx xxxx xxxx (located on the following page) in the subject line.

Requests, instructions and other inquiries sent to this e-mail address will NOT be forwarded to your investment advisor. Please make the request as instructed above on or before June 09, 2020 to facilitate timely delivery.

— How To Vote —

Please Choose One of the Following Voting Methods

Vote In Person: Many stockholder meetings have attendance requirements including, but not limited to, the possession of an attendance ticket issued by the entity holding the meeting. Please check the meeting materials for any special requirements for meeting attendance. At the meeting, you will need to request a ballot to vote these shares.

Vote By Mail: You can vote by mail by requesting a paper copy of the materials, which will include a proxy card.

Voting items

The Board of Directors recommends you vote FOR the director nominees in Proposal 1.

1. Election of Directors

Nominees

01 Alexis Borisy 02 Charles A. Rowland, Jr. 03 Lonnel Coats

The Board of Directors recommends you vote FOR Proposals 2 and 3.

- 2. To approve an advisory vote on named executive officer compensation.
- Ratification of the appointment of Ernst & Young LLP as independent registered public accounting firm for the fiscal year ending December 31, 2020.

NOTE: The proxies are authorized to vote, in their discretion, upon such other business as may properly come before the meeting or any adjournment or postponement thereof.

0000460146_3 R1.0.1.18