

Form 144

FORM 144

NOTICE OF PROPOSED SALE OF SECURITIES
PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

144: Filer Information

Filer CIK 0001802970
Filer CCC XXXXXXXXX
Is this a LIVE or TEST Filing? LIVE TEST

Submission Contact Information

Name
Phone
E-Mail Address

144: Issuer Information

Name of Issuer BLUEPRINT MEDICINES CORPORATION
SEC File Number 001-37359
Address of Issuer 45 Sidney Street
Cambridge
MASSACHUSETTS
02139
Phone 6173747580
Name of Person for Whose Account the Securities are To Be Sold Debra Bumpus

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

Relationship to Issuer Officer

144: Securities Information

Title of the Class of Securities To Be Sold	Name and Address of the Broker	Number of Shares or Other Units To Be Sold	Aggregate Market Value	Number of Shares or Other Units Outstanding	Approximate Date of Sale	Name the Securities Exchange
Common Stock	J.P. Morgan Securities LLC 390 Madison Avenue - 6th Floor New York NY 10017	87034	9228215	62616902	06/21/2024	NASDAQ

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

144: Securities To Be Sold

Title of the Class	Date you Acquired	Nature of Acquisition	Name of Person from	Is this	Date Donor	Amount of Securities	Date of Payment	Nature of Payment *
--------------------	-------------------	-----------------------	---------------------	---------	------------	----------------------	-----------------	---------------------

Transaction	Whom Acquired	a Gift?	Acquired	Acquired
Common Stock 03/01/2020 RSU Vest	Issuer	<input type="checkbox"/>	990	03/01/2020 NA
Common Stock 03/01/2021 RSU Vest	Issuer	<input type="checkbox"/>	3292	03/01/2021 NA
Common Stock 03/01/2022 RSU Vest	Issuer	<input type="checkbox"/>	3494	03/01/2022 NA
Common Stock 03/01/2023 RSU Vest	Issuer	<input type="checkbox"/>	3599	03/01/2023 NA
Common Stock 03/01/2024 RSU Vest	Issuer	<input type="checkbox"/>	2447	03/01/2024 NA
Common Stock 06/21/2024 Stock Option Exercise	Issuer	<input type="checkbox"/>	13471	06/21/2024 Cash
Common Stock 06/21/2024 Stock Option Exercise	Issuer	<input type="checkbox"/>	24200	06/21/2024 Cash
Common Stock 06/21/2024 Stock Option Exercise	Issuer	<input type="checkbox"/>	15500	06/21/2024 Cash
Common Stock 06/21/2024 Stock Option Exercise	Issuer	<input type="checkbox"/>	7041	06/21/2024 Cash
Common Stock 06/21/2024 Stock Option Exercise	Issuer	<input type="checkbox"/>	13000	06/21/2024 Cash

* If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

144: Securities Sold During The Past 3 Months

Nothing to Report

144: Remarks and Signature

Remarks

Date of Notice 06/21/2024

Date of Plan Adoption or Giving of Instruction, If Relying on Rule 10b5-1 03/13/2024

ATTENTION:

The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

Signature

/s/ J.P. Morgan Securities LLC as agent and attorney-in-fact for
Debra Bumpus

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)