

MEDICINES CO /DE
Form SC 13G/A
March 23, 2017

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

SCHEDULE 13G
Under the Securities Exchange Act of 1934
(Amendment No. 1)*

THE MEDICINES COMPANY

(Name of Issuer)

Common Stock, par value \$ \$0.001 per share

(Title of Class of Securities)

584688105

(CUSIP Number)

March 14, 2017

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

- * The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (" Act ") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 584688105

1 Name of reporting persons.

Boxer Capital, LLC

2 Check the appropriate box if a member of a group. (See instructions)

(a) (b)

3 SEC use only.

4 Citizenship or place of organization.

Delaware

5 Sole voting power.

NUMBER OF

SHARES

-0-

6 Shared voting power.

BENEFICIALLY

OWNED BY

1,898,700*

EACH

7 Sole dispositive power.

REPORTING

PERSON

-0-

8 Shared dispositive power.

WITH:

1,898,700*

9 Aggregate amount beneficially owned by each reporting person.

1,898,700*

10 Check box if the aggregate amount in row (9) excludes certain shares (see instructions).

11 Percent of class represented by amount in row (9).

2.7%**

12 Type of reporting person

OO

* Includes 683,700 shares of common stock issuable pursuant to outstanding options held by Boxer Capital, LLC that are immediately exercisable within 60 days of March 23, 2017.

** Based on 71,380,379 shares of common stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017.

CUSIP No. 584688105

1 Name of reporting persons.

Boxer Asset Management Inc.

2 Check the appropriate box if a member of a group. (See instructions)

(a) (b)

3 SEC use only.

4 Citizenship or place of organization.

Bahamas

5 Sole voting power.

NUMBER OF

SHARES

-0-

6 Shared voting power.

BENEFICIALLY

OWNED BY

1,898,700*

EACH

7 Sole dispositive power.

REPORTING

PERSON

-0-

8 Shared dispositive power.

WITH:

1,898,700*

9 Aggregate amount beneficially owned by each reporting person.

1,898,700*

10 Check box if the aggregate amount in row (9) excludes certain shares (see instructions).

11 Percent of class represented by amount in row (9).

2.7%**

12 Type of reporting person

CO

* Includes 683,700 shares of common stock issuable pursuant to outstanding options held by Boxer Capital, LLC that are immediately exercisable within 60 days of March 23, 2017.

** Based on 71,380,379 shares of common stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017.

CUSIP No. 584688105

1 Name of reporting persons.

Braslyn Ltd.

2 Check the appropriate box if a member of a group. (See instructions)

(a) (b)

3 SEC use only.

4 Citizenship or place of organization.

Bahamas

5 Sole voting power.

NUMBER OF

SHARES

-0-

6 Shared voting power.

BENEFICIALLY

OWNED BY

3,055,689

EACH

7 Sole dispositive power.

REPORTING

PERSON

-0-

8 Shared dispositive power.

WITH:

3,055,689

9 Aggregate amount beneficially owned by each reporting person.

3,055,689

10 Check box if the aggregate amount in row (9) excludes certain shares (see instructions).

11 Percent of class represented by amount in row (9).

12 4.3%*
Type of reporting person

CO

* Based on 71,380,379 shares of common stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017.

CUSIP No. 584688105

1 Name of reporting persons.

Avid Group Ltd.

2 Check the appropriate box if a member of a group. (See instructions)

(a) (b)

3 SEC use only.

4 Citizenship or place of organization.

Bahamas

5 Sole voting power.

NUMBER OF

SHARES

-0-

6 Shared voting power.

BENEFICIALLY

OWNED BY

778,210

EACH

7 Sole dispositive power.

REPORTING

PERSON

-0-

8 Shared dispositive power.

WITH:

778,210

9 Aggregate amount beneficially owned by each reporting person.

778,210

10 Check box if the aggregate amount in row (9) excludes certain shares (see instructions).

11 Percent of class represented by amount in row (9).

12 1.1%*
Type of reporting person

CO

* Based on 71,380,379 shares of common stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017.

CUSIP No. 584688105

1 Name of reporting persons.

MVA Investors, LLC

2 Check the appropriate box if a member of a group. (See instructions)

(a) (b)

3 SEC use only.

4 Citizenship or place of organization.

Delaware

5 Sole voting power.

NUMBER OF

SHARES 20,000

6 Shared voting power.

BENEFICIALLY

OWNED BY

-0-

EACH

7 Sole dispositive power.

REPORTING

PERSON 20,000

8 Shared dispositive power.

WITH:

-0-

9 Aggregate amount beneficially owned by each reporting person.

20,000

10 Check box if the aggregate amount in row (9) excludes certain shares (see instructions).

11 Percent of class represented by amount in row (9).

12 0.0%*
Type of reporting person

OO

* Based on 71,380,379 shares of common stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017.

CUSIP No. 584688105

1 Name of reporting persons.

Joe Lewis

2 Check the appropriate box if a member of a group. (See instructions)

(a) (b)

3 SEC use only.

4 Citizenship or place of organization.

United Kingdom

5 Sole voting power.

NUMBER OF

SHARES

-0-

6 Shared voting power.

BENEFICIALLY

OWNED BY

5,732,599*

EACH

7 Sole dispositive power.

REPORTING

PERSON

-0-

8 Shared dispositive power.

WITH:

5,732,599*

9 Aggregate amount beneficially owned by each reporting person.

5,732,599*

10 Check box if the aggregate amount in row (9) excludes certain shares (see instructions).

11 Percent of class represented by amount in row (9).

12 8.0%**
Type of reporting person

IN

* Includes 683,700 shares of common stock issuable pursuant to outstanding options held by Boxer Capital, LLC that are immediately exercisable within 60 days of March 23, 2017.

** Based on 71,380,379 shares of common stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017.

This Amendment No. 1 (Amendment No. 1) amends and supplements the statement on Schedule 13G filed on November 22, 2016 (the Original Filing) by Boxer Capital, LLC (Boxer Capital), Boxer Asset Management Inc. (Boxer Management), Braslyn Ltd. (Braslyn), MVA Investors, LLC (MVA Investors) and Joe Lewis. This Amendment No. 1 is an original filing for Avid Group Ltd. (Avid, together with Boxer Capital, Boxer Management, Braslyn, MVA Investors and Joe Lewis, the Reporting Persons). The Original Filing remains in effect except to the extent that it is amended, restated or superseded by information contained in this Amendment No. 1. Capitalized terms used and not defined in this Amendment No. 1 have the meanings set forth in the Original Filing, as amended.

Item 1(a). Name of Issuer:

The Medicines Company (the Issuer)

Item 1(b). Address of Issuer's Principal Executive Offices:

8 Sylvan Way

Parsippany, New Jersey 07054

Item 2(a). Name of Person Filing:

Boxer Management is the managing member and majority owner of Boxer Capital. Joe Lewis is the sole indirect beneficial owner of and controls Boxer Management, Braslyn and Avid. MVA Investors is the independent, personal investment vehicle of certain employees of Boxer Capital and Tavistock Life Sciences Company, a corporation organized under the laws of Delaware and an affiliate of Boxer Capital, and is controlled by employees of Tavistock Life Sciences Company that are members of MVA Investors. As such, MVA Investors is not controlled by any of the other Reporting Persons.

Item 2(b). Address of Principal Business Office, or, if none, Residence:

The principal business address of Boxer Capital and MVA Investors is: 11682 El Camino Real, Suite 320, San Diego, CA 92130. The principal business address of Boxer Management, Braslyn, Avid and Joe Lewis is: Cay House, EP Taylor Drive N7776, Lyford Cay, New Providence, Bahamas.

Item 2(c). Citizenship:

Boxer Capital is a limited liability company organized under the laws of Delaware. Boxer Management is a corporation organized under the laws of the Bahamas. Braslyn is a corporation organized under the laws of the Bahamas. Avid is a corporation organized under the laws of the Bahamas. Joe Lewis is a citizen of the United Kingdom. MVA Investors is a limited liability company organized under the laws of Delaware.

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.001 per share (the Common Stock).

Item 2(e). CUSIP Number:

584688105

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

Not applicable.

Item 4. Ownership.

(a) Amount beneficially owned:

Boxer Capital and Boxer Management beneficially own 1,898,700* shares of Common Stock, which includes 683,700 shares of Common Stock issuable pursuant to outstanding options held by Boxer Capital that are immediately exercisable within 60 days of March 23, 2017. Braslyn beneficially owns 3,055,689* shares of Common Stock. Avid beneficially owns 778,210* shares of Common Stock. MVA Investors beneficially owns 20,000* shares of Common Stock. Joe Lewis beneficially owns 5,732,599* shares of Common Stock, which includes 683,700 shares of Common Stock issuable pursuant to outstanding options held by Boxer Capital that are immediately exercisable within 60 days of March 23, 2017.

(b) Percent of class:

The shares of Common Stock beneficially owned by Boxer Capital and Boxer Management represent 2.7%* of the Issuer's outstanding shares of Common Stock. The shares of Common Stock beneficially owned by Braslyn represent 4.3%* of the Issuer's outstanding shares of Common Stock. The shares of Common Stock beneficially owned by Avid represent 1.1%* of the Issuer's outstanding shares of Common Stock. The shares of Common Stock beneficially owned by MVA Investors represent 0.0%* of the Issuer's outstanding shares of Common Stock. The shares of Common Stock beneficially owned by Joe Lewis represent 8.0%* of the Issuer's outstanding shares of Common Stock.

(c) Number of shares as to which such person has:

(i) Sole power to vote or direct the vote:

MVA Investors has sole power to vote or to direct the vote of the 20,000 shares of Common Stock it beneficially owns.

(ii) Shared power to vote or to direct the vote:

Boxer Capital and Boxer Management have shared power to vote or to direct the vote of the 1,898,700* shares of Common Stock they beneficially own. Braslyn has shared power to vote or to direct the vote of the 3,055,689* shares of Common Stock it beneficially owns. Avid has shared power to vote or to direct the vote of the 778,210* shares of Common Stock it beneficially owns. Joe Lewis has shared power to vote or to direct the vote of the 5,732,599* shares of Common Stock he beneficially owns.

(iii) Sole power to dispose or to direct the disposition of:

MVA Investors has sole power to dispose or to direct the disposition of the 20,000 shares of Common Stock it beneficially owns.

(iv) Shared power to dispose or to direct the disposition of:

Boxer Capital and Boxer Management have shared power to dispose or direct the disposition of the 1,898,700* shares of Common Stock they beneficially own. Braslyn has shared power to dispose or direct the disposition of the 3,055,689* shares of Common Stock it beneficially owns. Avid has shared power to dispose or direct the disposition of the 778,210* shares of Common Stock it beneficially owns. Joe Lewis has shared power to dispose or direct the disposition of the 5,732,599* shares of Common Stock he beneficially owns.

* The Reporting Persons may be deemed to beneficially own 5,752,599 shares of Common Stock in the aggregate which constitute approximately 8.1% of the Issuer's outstanding shares of Common Stock (based on 71,380,379 shares of Common Stock reported to be outstanding as of February 24, 2017 on the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 28, 2017). This includes 683,700 shares of Common Stock issuable pursuant to outstanding options held by Boxer Capital, LLC that are immediately exercisable within 60 days of March 23, 2017. Boxer Capital, Braslyn and Avid each have shared voting and dispositive power with regard to the shares of Common Stock each owns directly. Boxer Management

and Joe Lewis each have shared voting and dispositive power with regard to the shares of Common Stock owned directly by Boxer Capital. Joe Lewis has shared voting and dispositive power with regard to the shares of Common Stock owned directly by Braslyn and by Avid. MVA Investors has sole voting and dispositive power with regard to the shares of Common Stock it owns directly.

Item 5. Ownership of Five Percent or Less of a Class.

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Only Boxer Capital has the right to receive dividends and the proceeds from the sale of the shares of Common Stock held by Boxer Capital. Only Braslyn has the right to receive dividends and the proceeds from sale of the shares of Common Stock held by Braslyn. Only Avid has the right to receive dividends and the proceeds from sale of the shares of Common Stock held by Avid. Only MVA Investors has the right to receive dividends and the proceeds from sale of the shares of common stock held by MVA Investors. See Item 4 above.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

(c) By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

Exhibits

1 Joint Filing Agreement, dated March 23, 2017, among the Reporting Persons.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

March 23, 2017

BOXER CAPITAL, LLC

By: /s/ Aaron I. Davis
Name: Aaron I. Davis
Title: Authorized Signatory

BOXER ASSET MANAGEMENT INC.

By: /s/ Jason Callender
Name: Jason Callender
Title: Director

BRASLYN LTD.

By: /s/ Joseph C. Lewis
Name: Joseph C. Lewis
Title: Director

AVID GROUP LTD.

By: /s/ Joseph C. Lewis
Name: Joseph C. Lewis
Title: Director

MVA INVESTORS, LLC

By: /s/ Aaron I. Davis
Name: Aaron I. Davis
Title: Authorized Signatory

JOSEPH C. LEWIS

/s/ Joseph C. Lewis
Joseph C. Lewis, Individually