

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

SCHEDULE 13D

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

Amicus Therapeutics, Inc.

(Name of Issuer)

Common Stock, \$.01 par value

(Title of Class of Securities)

03152W109

(CUSIP Number)

Louis S. Citron, Esq.
New Enterprise Associates
1954 Greenspring Drive, Suite 600, Timonium, MD 21093
(410) 842-4000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

March 2, 2012

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. o

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

*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 disclosures provided in a prior cover page.

The information required on 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).

| | | |
|--|--|--|
| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | New Enterprise Associates 9, Limited Partnership | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
| 3 | SEC USE ONLY | |
| 4 | SOURCE OF FUNDS (SEE INSTRUCTIONS) WC | |
| 5 | CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="radio"/> | |
| 6 | CITIZENSHIP OR PLACE OF ORGANIZATION Delaware | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 7 | SOLE VOTING POWER 0 shares |
| | 8 | SHARED VOTING POWER 5,650,340 shares |
| | 9 | SOLE DISPOSITIVE POWER 0 shares |
| | 10 | SHARED DISPOSITIVE POWER 5,650,340 shares |
| 11 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 5,650,340 shares | |
| 12 | CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="radio"/> | |
| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 12.7% | |
| 14 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) PN | |

| | | |
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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | NEA Partners 9, Limited Partnership | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
| 3 | SEC USE ONLY | |
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| 5 | CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="radio"/> | |
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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | NEA Partners 11, Limited Partnership | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
| 3 | SEC USE ONLY | |
| 4 | SOURCE OF FUNDS (SEE INSTRUCTIONS) AF | |
| 5 | CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="radio"/> | |
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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | Forest Baskett | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
| 3 | SEC USE ONLY | |
| 4 | SOURCE OF FUNDS (SEE INSTRUCTIONS) AF | |
| 5 | CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="radio"/> | |
| 6 | CITIZENSHIP OR PLACE OF ORGANIZATION United States citizen | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 7 | SOLE VOTING POWER 0 shares |
| | 8 | SHARED VOTING POWER 4,584,311 shares |
| | 9 | SOLE DISPOSITIVE POWER 0 shares |
| | 10 | SHARED DISPOSITIVE POWER 4,584,311 shares |
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| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 10.3% | |
| 14 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN | |

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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | Ryan D. Drant | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). Krishna Kolluri | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | Mark W. Perry | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
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| | | |
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| 1 | NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). | |
| | Scott D. Sandell | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> | |
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| 14 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN | |

Schedule 13D

Item 1. Security and Issuer.

This statement relates to the common stock, \$.01 par value (the "Common Stock") of Amicus Therapeutics, Inc. (the "Issuer") having its principal executive office at 1 Cedar Brook Drive, Cranbury, New Jersey 08512.

Item 2. Identity and Background.

This statement is being filed by:

(a) New Enterprise Associates 9, Limited Partnership ("NEA 9") and New Enterprise Associates 11, Limited Partnership ("NEA 11" and, together with NEA 9, being collectively referred to herein as the "Funds" or the "Record Holders");

(b) NEA Partners 9, Limited Partnership ("NEA Partners 9"), which is the sole general partner of NEA 9; NEA Partners 11, Limited Partnership ("NEA Partners 11" and, together with NEA Partners 9, the "GPLPs"), which is the sole general partner of NEA 11; and NEA 11 GP, LLC ("NEA 11 LLC" and, together with the GPLPs, the "Control Entities"), which is the sole general partner of NEA Partners 11; and

(c) Michael James Barrett ("Barrett"), Peter J. Barris ("Barris"), Forest Baskett ("Baskett"), Ryan D. Drant ("Drant"), Krishna Kolluri ("Kolluri"), C. Richard Kramlich ("Kramlich"), Charles W. Newhall III ("Newhall"), Mark W. Perry ("Perry") and Scott D. Sandell ("Sandell") and together with Barrett, Barris, Baskett, Drant, Kolluri, Kramlich, Newhall, Perry and Sandell, the "Managers").

Barris, Kramlich, Newhall and Perry (the "Senior Managers") are individual general partners of NEA Partners 9 and are individual members of NEA 11 LLC. Barrett, Baskett, Drant, Kolluri and Sandell are individual members of NEA 11 LLC.

The persons named in this Item 2 are referred to individually herein as a "Reporting Person" and collectively as the "Reporting Persons."

The address of the principal business office of each Record Holder, each Control Entity and Newhall is New Enterprise Associates, 1954 Greenspring Drive, Suite 600, Timonium, MD 21093. The address of the principal business office of each of Barrett, Barris and Drant is New Enterprise Associates, 5425 Wisconsin Avenue, Suite 800, Chevy Chase, MD 20815. The address of the principal business office of Baskett, Kolluri, Kramlich, Perry and Sandell is New Enterprise Associates, 2855 Sand Hill Road, Menlo Park, California 94025.

The principal business of each Fund is to invest in and assist growth-oriented businesses located principally in the United States. The principal business of NEA Partners 9 is to act as the sole general partner of NEA 9. The principal business of NEA Partners 11 is to act as the sole general partner of NEA 11. The principal business of NEA 11 LLC is to act as the sole general partner of NEA Partners 11. The principal business of each of the Managers is to manage the Control Entities, the Funds and a number of affiliated partnerships with similar businesses.

During the five years prior to the date hereof, none of the Reporting Persons has been convicted in a criminal proceeding or has been a party to a civil proceeding ending in a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

Each Fund and each GPLP is a limited partnership organized under the laws of the State of Delaware. NEA 11 LLC is a limited liability company organized under the laws of the State of Delaware. Each of the Managers is a United States citizen.

Item 3. Source and Amount of Funds or Other Consideration.

On March 2, 2012, NEA 9 purchased 214,846 shares of Common Stock for an aggregate purchase price of \$1,224,622.20. NEA 9 now holds a total of 1,066,029 shares of the Issuer's Common Stock (the "NEA 9 Shares").

On March 2, 2012, NEA 11 purchased 925,154 shares of Common Stock for an aggregate purchase price of \$5,273,377.80. NEA 11 now holds a total of 4,584,311 shares of the Issuer's Common Stock (the "NEA 11 Shares" and, together with the NEA 9 shares, the "Firm Shares").

As of March 2, 2012, Barrett is the record owner of options to purchase 30,000 shares of Common Stock of the Issuer (exercisable within sixty days) (the "Option Shares"). Accordingly, Barrett may be deemed to be the beneficial owner of the Option Shares in addition to the NEA 11 Shares for a total of 4,614,311 shares of the Issuer's Common Stock.

The working capital of NEA 9 was the source of the funds for the purchase of the NEA 9 Shares and the working capital of NEA 11 was the source of the funds for the purchase of the NEA 11 Shares. No part of the purchase price of the Firm Shares was represented by funds or other consideration borrowed or otherwise obtained for the purpose of acquiring, holding, trading or voting the Firm Shares.

Item 4. Purpose of Transaction.

The Funds acquired the Firm Shares for investment purposes. Depending on market conditions, its continuing evaluation of the business and prospects of the Issuer and other factors, NEA 9, NEA 11 and other Reporting Persons may dispose of or acquire additional shares of the Issuer. Except as set forth above, none of the Reporting Persons has any present plans which relate to or would result in:

- (a) The acquisition by any person of additional securities of the Issuer, or the disposition of securities of the Issuer;
 - (b) An extraordinary corporate transaction, such as a merger, reorganization or liquidation, involving the Issuer or any of its subsidiaries;
 - (c) A sale or transfer of a material amount of assets of the Issuer or any of its subsidiaries;
 - (d) Any change in the present board of directors or management of the Issuer, including any plans or proposals to change the number or term of directors or to fill any existing vacancies on the board;
 - (e) Any material change in the present capitalization or dividend policy of the Issuer;
 - (f) Any other material change in the Issuer's business or corporate structure;
 - (g) Changes in the Issuer's charter, bylaws or instruments corresponding thereto or other actions which may impede the acquisition of control of the Issuer by any person;
 - (h) Causing a class of securities of the Issuer to be delisted from a national securities exchange or to cease to be authorized to be quoted in an inter-dealer quotation system of a registered national securities association;
 - (i) A class of equity securities of the Issuer becoming eligible for termination of registration pursuant to Section 12(g)(4) of the Securities Exchange Act of 1934; or
 - (j) Any action similar to any of those enumerated above.
-

Item 5. Interest in Securities of the Issuer.

NEA 9 is the record owner of the NEA 9 Shares. As the sole general partner of NEA 9, NEA Partners 9 may be deemed to own beneficially the NEA 9 Shares. NEA 11 is the record owner of the NEA 11 Shares. As the sole general partner of NEA 11, NEA Partners 11 may be deemed to own beneficially the NEA 11 Shares. As the sole general partner of NEA Partners 11, NEA 11 LLC may be deemed to own beneficially the NEA 11 Shares.

By virtue of their relationship as affiliated entities, whose Control Entities have overlapping individual controlling persons, each of the Record Holders may be deemed to share the power to direct the disposition and vote of the Firm Shares. As general partners of the Funds, each of the GPLPs may also be deemed to own beneficially the Firm Shares. As the sole general partner of NEA Partners 11, NEA 11 LLC may also be deemed to own beneficially the Firm Shares.

As individual general partners of NEA Partners 9 and members of NEA 11 LLC, each of the Senior Managers may be deemed to own beneficially all of the Firm Shares. As members of NEA 11 LLC, each of Barrett, Baskett, Drant, Kolluri and Sandell may be deemed to own beneficially the NEA 11 Shares.

Each Reporting Person disclaims beneficial ownership of the Firm Shares other than those shares which such person owns of record.

The percentage of outstanding Common Stock of the Issuer which may be deemed to be beneficially owned by each Reporting Person other than Barrett is set forth on Line 13 of such Reporting Person's cover sheet. Such percentage was calculated based on the 44,654,206 shares of Common Stock (the "Prospectus Shares") reported to be outstanding as of March 2, 2012, on the Issuer's prospectus filed under Rule 424(b)(5), filed with the Securities Exchange Commission on March 2, 2012. The percentage set forth on the cover sheet for Barrett is calculated based on 44,684,206 shares of Common Stock, which includes the Prospectus Shares and the Option Shares.

- (b) Regarding the number of shares as to which such person has:
- (i) sole power to vote or to direct the vote: See line 7 of cover sheets
 - (ii) shared power to vote or to direct the vote: See line 8 of cover sheets
 - (iii) sole power to dispose or to direct the disposition: See line 9 of cover sheets.
 - (iv) shared power to dispose or to direct the disposition: See line 10 of cover sheets
- (c) Except as set forth in Item 3 above, none of the Reporting Persons has effected any transaction in the Common Stock during the last 60 days.
- (d) No other person is known to have the right to receive or the power to direct the receipt of dividends from, or any proceeds from the sale of, Shares beneficially owned by any of the Reporting Persons.
- (e) Each of Charles M. Linehan and Eugene A. Trainor has ceased to beneficially own five percent (5%) or more of the Issuer's Common Stock.

Item 6. Contracts, Arrangements, Undertakings or Relationships with Respect to Securities of the Issuer.

Not applicable.

Item 7. Material to be Filed as Exhibits.

Exhibit 1 – Agreement regarding filing of joint Schedule 13D.

Exhibit 2 – Power of Attorney regarding Schedule 13D filings.

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: March 13, 2012

NEW ENTERPRISE ASSOCIATES 9,
LIMITED PARTNERSHIP

By: NEA PARTNERS 9, LIMITED PARTNERSHIP
General Partner

By: _____
*
Charles W. Newhall III
General Partner

NEA PARTNERS 9, LIMITED PARTNERSHIP

By: _____
*
Charles W. Newhall III
General Partner

NEW ENTERPRISE ASSOCIATES 11,
LIMITED PARTNERSHIP

By: NEA PARTNERS 11, LIMITED PARTNERSHIP
General Partner

By: NEA 11 GP, LLC
General Partner

By: _____
*
Peter J. Barris
Manager

NEA PARTNERS 11, LIMITED PARTNERSHIP

By: NEA 11 GP, LLC
General Partner

By: _____
*
Peter J. Barris
Manager

NEA 11 GP, LLC

By: _____
*
Peter J. Barris
Manager

*

Michael James Barrett

*

Peter J. Barris

*

Forest Baskett

*

Ryan D. Drant

*

Krishna Kolluri

*

C. Richard Kramlich

*

Charles W. Newhall III

*

Mark W. Perry

*

Scott D. Sandell

*/s/ Louis S. Citron
Louis S. Citron
As attorney-in-fact

This Schedule 13D was executed by Louis S. Citron on behalf of the individuals listed above pursuant to a Power of Attorney a copy of which is attached as Exhibit 2.

EXHIBIT 1

AGREEMENT

Pursuant to Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, the undersigned hereby agree that only one statement containing the information required by Schedule 13D need be filed with respect to the ownership by each of the undersigned of shares of stock of Amicus Therapeutics, Inc.

EXECUTED this 13th day of March, 2012.

NEW ENTERPRISE ASSOCIATES 9,
LIMITED PARTNERSHIP

By: NEA PARTNERS 9, LIMITED PARTNERSHIP
General Partner

By: _____
*
Charles W. Newhall III
General Partner

NEA PARTNERS 9, LIMITED PARTNERSHIP

By: _____
*
Charles W. Newhall III
General Partner

NEW ENTERPRISE ASSOCIATES 11,
LIMITED PARTNERSHIP

By: NEA PARTNERS 11, LIMITED PARTNERSHIP
General Partner

By: NEA 11 GP, LLC
General Partner

By: _____
*
Peter J. Barris
Manager

NEA PARTNERS 11, LIMITED PARTNERSHIP

By: NEA 11 GP, LLC
General Partner

By: _____
*
Peter J. Barris
Manager

NEA 11 GP, LLC

By: _____
*
Peter J. Barris
Manager

*

Michael James Barrett

*

Peter J. Barris

*

Forest Baskett

*

Ryan D. Drant

*

Krishna Kolluri

*

C. Richard Kramlich

*

Charles W. Newhall III

*

Mark W. Perry

*

Scott D. Sandell

*/s/ Louis S. Citron

Louis S. Citron
As attorney-in-fact

This Agreement relating to Schedule 13D was executed by Louis S. Citron on behalf of the individuals listed above pursuant to a Power of Attorney a copy of which is attached hereto as Exhibit 2.

EXHIBIT 2

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the undersigned hereby constitutes and appoints Charles W. Newhall III, Louis S. Citron, Eugene A. Trainor III, Timothy Schaller and Shawn Conway, and each of them, with full power to act without the others, his true and lawful attorney-in-fact, with full power of substitution, to sign any and all instruments, certificates and documents that may be necessary, desirable or appropriate to be executed on behalf of himself as an individual or in his capacity as a direct or indirect general partner, director, officer or manager of any partnership, corporation or limited liability company, pursuant to section 13 or 16 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder, and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the Financial Industry Regulatory Authority, granting unto said attorney-in-fact full power and authority to do and perform each and every act and thing necessary, desirable or appropriate, fully to all intents and purposes as he might or could do in person, thereby ratifying and confirming all that said attorney-in-fact, or his substitutes, may lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, this Power of Attorney has been signed as of the 4th day of May, 2009.

/s/ M. James Barrett

M. James Barrett

/s/ Peter J. Barris

Peter J. Barris

/s/ Forest Baskett

Forest Baskett

/s/ Rohini Chakravarthy

Rohini Chakravarthy

/s/ Patrick Chung

Patrick Chung

/s/ Ryan Drant

Ryan Drant

/s/ Shawn Conway

Shawn Conway

/s/ Anthony A. Florence

Anthony A. Florence

/s/ Robert Garland

Robert Garland

/s/ Paul Hsiao

Paul Hsiao

/s/ Vladimir Jacimovic

Vladimir Jacimovic

/s/ Patrick J. Kerins
Patrick J. Kerins

/s/ Suzanne King
Suzanne King

/s/ Krishna S. Kolluri
Krishna S. Kolluri

/s/ C. Richard Kramlich
C. Richard Kramlich

/s/ Charles M. Linehan
Charles M. Linehan

/s/ Edward Mathers
Edward Mathers

/s/ David M. Mott
David M. Mott

/s/ John M. Nehra
John M. Nehra

/s/ Charles W. Newhall III
Charles W. Newhall III

/s/ Jason R. Nunn
Jason R. Nunn

/s/ Mark W. Perry
Mark W. Perry

/s/ Jon Sakoda
Jon Sakoda

/s/ Scott D. Sandell
Scott D. Sandell

/s/ Peter W. Sonsini
Peter W. Sonsini

/s/ A. Brooke Seawell
A. Brooke Seawell

/s/ Eugene A. Trainor III
Eugene A. Trainor III

/s/ Ravi Viswanathan
Ravi Viswanathan

/s/ Paul E. Walker
Paul E. Walker

/s/ Harry Weller
Harry Weller