

Spark Therapeutics, Inc.  
Form 4  
August 12, 2016

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Marrazzo Jeffrey D

(Last) (First) (Middle)

C/O SPARK THERAPEUTICS,  
INC., 3737 MARKET STREET,  
SUITE 1300

(Street)

PHILADELPHIA, PA 19104

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
Spark Therapeutics, Inc. [ONCE]

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/10/2016

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Chief Executive Officer

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  | Code                           | V   | Amount or Price   |  |                                   |
| Common Stock                    | 08/10/2016                           |  | M                              |   | 6,971 A \$ 3.45   | 236,971  | D                                 |
| Common Stock                    | 08/10/2016                           |  | S <sup>(1)</sup>               |   | 6,971 D \$ 60.02  | 230,000  | D                                 |
| Common Stock                    | 08/11/2016                           |  | M                              |   | 9,999 A \$ 3.45   | 239,999  | D                                 |
| Common Stock                    | 08/11/2016                           |  | S <sup>(1)</sup>               |   | 9,999 D \$ 60.06  | 230,000  | D                                 |

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Option (right to buy)                | \$ 3.45  | 08/10/2016                           |  | M                              | 6,971   | <sup>(4)</sup> 07/01/2024                                | Common Stock  | 6,971                         |
| Stock Option (right to buy)                | \$ 3.45  | 08/11/2016                           |  | M                              | 9,999   | <sup>(4)</sup> 07/01/2024                                | Common Stock  | 9,999                         |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                         |       |
|--|---------------|-----------|-------------------------|-------|
|  | Director      | 10% Owner | Officer                 | Other |
| Marrazzo Jeffrey D<br>C/O SPARK THERAPEUTICS, INC.<br>3737 MARKET STREET, SUITE 1300<br>PHILADELPHIA, PA 19104 | X             |           | Chief Executive Officer |       |

## Signatures

/s/ Joseph W. La Barge, attorney-in-fact for Jeffrey D. Marrazzo

08/12/2016

\_\_\_\_Signature of Reporting Person

\_\_\_\_Date

## Explanation of Responses:

\* 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).

(1) The sale reported in the Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 16, 2015.

The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$60.00 to \$60.15, inclusive. The reporting person undertakes to provide to Spark Therapeutics, Inc., any security holder of Spark Therapeutics, Inc., 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 ranges set forth in footnote (2) to this Form 4.

(2) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$60.00 to \$60.39, inclusive. The reporting person undertakes to provide to Spark Therapeutics, Inc., any security holder of Spark Therapeutics, Inc., 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 ranges set forth in footnote (3) to this Form 4.

(3) This option was granted on July 2, 2014 and vests over four years, with 25% of the shares underlying the option vesting on May 24, 2015, and the remainder vesting quarterly thereafter.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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