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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| 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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

# OMB APPROVAL

| hours per response:  | 0.5       |
|----------------------|-----------|
|                      | 0.5       |
| Estimated average bu | rden      |
|                      | 3235-0207 |

| 1. Name and Addre                                  | 1 0     | erson* | 2. Issuer Name <b>and</b> Ticker or Trading Symbol<br>Oncobiologics, Inc. [ ONS ] | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>X Director 10% Owner |
|--|---------|--------|---|--|
| (Last) (First) (Middle)<br>C/O ONCOBIOLOGICS, INC. |         |        | 3. Date of Earliest Transaction (Month/Day/Year)<br>05/18/2016                    | Officer (give title Other (specify below) below)   |
| 7 CLARKE DRIVE                                     |         |        | 4. If Amendment, Date of Original Filed (Month/Day/Year)                          | 6. Individual or Joint/Group Filing (Check Applicable Line)  |
| (Street)<br>CRANBURY                               | NJ      | 08521  |   | X Form filed by One Reporting Person<br>Form filed by More than One Reporting<br>Person            |
| (City)   | (State) | (Zip)  |   |  |

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

| 1. Title of Security (Instr. 3) | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 3.<br>Transa<br>Code (<br>8) |   | 4. Securities /<br>Disposed Of (<br>5) |               |                              | Securities<br>Beneficially         | Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------|--|---|------------------------------|---|--|---------------|------------------------------|------------------------------------|---|---|
|                                 |  |   | Code                         | v | Amount                                 | (A) or<br>(D) | Price                        | Transaction(s)<br>(Instr. 3 and 4) |   |   |
| Common Stock                    | 05/18/2016                                 |   | С                            |   | 58,500                                 | Α             | <b>\$0.00</b> <sup>(1)</sup> | 130,963                            | D   |   |

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

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transa<br>Code (<br>8) |   | of  |                    | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---|---|--|---|------------------------------|---|-----|--------------------|--|--------------------|--|--|---|--|--|--|
|   |   |  |   | Code                         | v | (A) | (D)                | Date<br>Exercisable  | Expiration<br>Date | Title  | Amount<br>or<br>Number<br>of<br>Shares |   |  |  |  |
| Series A<br>Preferred<br>Stock                      | \$0.00  | 05/18/2016                                 |   | С                            |   |     | 351 <sup>(1)</sup> | (2)  | (3)                | Common<br>Stock  | (1)                                    | \$0.00 <sup>(1)</sup>                               | 0  | D  |  |

#### Explanation of Responses:

1. The reporting person's 351 shares of Series A Preferred Stock automatically converted into common stock immediately prior to the closing of the Issuer's initial public offering ("IPO") based on dividing the aggregate liquidation preference of \$351,000 by the IPO price per share included in the units sold in the IPO.

2. N/A

3. There is no expiration date.

Remarks:

<u>/s/ Lawrence Kenyon,</u> <u>Attorney-in-Fact</u>

05/18/2016

\*\* Signature of Reporting Person Date

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

\* 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.