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## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| OMB AP    | PROVAL  |
|-----------|---------|
| MB Number | 3235-02 |

| Check this box if no longer subject to<br>Section 16. Form 4 or Form 5 | STATEME |
|--|---------|
| obligations may continue. See<br>Instruction 1(b).                     | File    |
| ()   |         |
| instruction ±(b).  | FII     |

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| 1 | 1                       |          |
|---|-------------------------|----------|
|   | OMB Number:             | 3235-028 |
|   | Estimated average burde | n        |
|   | hours per response:     | 0.       |

II

| 1. Name and Address of Reporting Person <sup>*</sup><br>ONETTO NICOLE                             |                | erson*          | 2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>IMMUNOGEN INC</u> [ IMGN ] |                                   | tionship of Reporting Pers<br>all applicable)<br>Director | son(s) to Issuer<br>10% Owner<br>Other (specify |  |  |
|---|----------------|-----------------|--|-----------------------------------|---|---|--|--|
| (Last) (First) (Middle)<br>ONTARIO INSTITUTE FOR CANCER RESEARCH<br>101 COLLEGE STREET, SUITE 800 |                | CANCER RESEARCH | 3. Date of Earliest Transaction (Month/Day/Year)<br>11/12/2013                   | /Year) Officer (give title below) |   |   |  |  |
| 101 COLLEGI   | E STREET, SUIT | E 800           | 4. If Amendment, Date of Original Filed (Month/Day/Year)                         | 6. Indiv<br>Line)                 | idual or Joint/Group Filinç                               | ) (Check Applicable                             |  |  |
| (Street)  |                |                 |  | X                                 | Form filed by One Rep                                     | orting Person                                   |  |  |
| TORONTO   | A6             | M5G 0A3         |  |                                   | Form filed by More that<br>Person                         | n One Reporting                                 |  |  |
| (City)  | (State)        | (Zip)           |  |                                   |   |   |  |  |

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

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|---------------------------------|--|---|------------------------------|-------|----------------------------------|---------------|---------|---|---|---|
| 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) | ction | 4. Securities /<br>Disposed Of ( |               |         | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following<br>Reported | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|                                 |  |   | Code                         | v     | Amount                           | (A) or<br>(D) | Price   | Transaction(s)<br>(Instr. 3 and 4)  |   | (1150.4)  |

#### 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 Amount<br>of 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 |   |  |  |  |
| Deferred<br>Share Unit                              | \$0 <sup>(1)</sup>  | 11/12/2013                                 |   | A                            |   | 3,000  |     | 02/01/2014 <sup>(3)(2)</sup>                                   | (2)                | Common<br>Stock <sup>(2)</sup>  | 3,000                                  | \$0 <sup>(1)</sup>                                  | 3,000  | D  |  |
| Stock<br>option<br>(right to<br>buy)                | \$14.7  | 11/12/2013                                 |   | A                            |   | 10,000 |     | 02/01/2014 <sup>(4)</sup>                                      | 11/12/2023         | Common<br>Stock   | 10,000                                 | \$14.7  | 10,000   | D  |  |

#### Explanation of Responses:

1. The deferred share units were issued pursuant to the Issuer's Compensation Policy for Non-Employee Directors and are convertible into Common Stock on a one-to-one basis.

2. The vested deferred share units are to be settled 100% in shares of Common Stock of the Company upon the reporting person's retirement from the Board of Directors.

3. The deferred share units vest ratably over a one year period in quarterly increments beginning on February 1, 2014, contingent upon the individual remaining a director as of each vesting date.

4. Exercisable as to 2,500 shares commencing on February 1, 2014, 2,500 shares commencing on May 1, 2014, 2,500 shares commencing on August 1, 2014 and 2,500 shares commencing on November 1, 2014, contingent upon the individual remaining a director as of each vesting date.

#### /s/ Craig Barrows, attorney in 11/13/2014 fact.

\*\* 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.