## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| <b>STATEMENT</b> | OF CHANGES | S IN BENEFICIAL | L OWNERSHIP |
|------------------|------------|-----------------|-------------|

| OMB APPROVAL        |           |  |  |  |  |  |  |  |  |
|---------------------|-----------|--|--|--|--|--|--|--|--|
| OMB Number:         | 3235-0287 |  |  |  |  |  |  |  |  |
| Estimated average h | nurden    |  |  |  |  |  |  |  |  |

0.5

hours per response:

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

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

| Name and Address of Reporting Person*     Kobayashi Yutaka  |  |              |   |         | 2. Issuer Name <b>and</b> Ticker or Trading Symbol  MEDICINOVA INC [ MNOV ]  |   |   |       |   |     |  |      |               |   | tionship of Reporting F<br>all applicable)<br>Director                             |  |   | Ssuer   |                |
|---|--|--------------|---|---------|--|---|---|-------|---|-----|--|------|---------------|---|--|--|---|---|----------------|
| (Last) (First) (Middle) C/O MEDICINOVA, INC.  |  |              |   |         |  | 3. Date of Earliest Transaction (Month/Day/Year) 11/26/2014 |   |       |   |     |  |      |               |   |  | Office<br>below  | er (give title<br>w)  | Othe<br>below   | (specify<br>/) |
| 4275 EX   | ECUTIVE :  | SQUARE, SUIT | E 650                                   |         | 4. If  | 4. If Amendment, Date of Original Filed (Month/Day/Year)    |   |       |   |     |  |      |               | 6. Individual or Joint/Group Filing (Check Applicable Line)                                     |  |  |   |   |                |
| (Street) LA JOLLA CA 92037  |  |              |   |         |  |   |   |       |   |     |  |      |               |   | X Form filed by One Reporting Person  Form filed by More than One Reporting Person |  |   |   |                |
| (City)  | (St  | ate) (2      | Zip)                                    |         |  |   |   |       |   |     |  |      |               |   |  |  |   |   |                |
|   |  | Tabl         | e I - Noi                               | n-Deriv | ative  | Se  | curitie   | s Acq | juired,   | Dis | posed o                                    | f, o | r Ben         | efici   | ally   | Owne   | ed  |   |                |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)   |  |              |   |         |  | Execution Date,   |   | Date, | Transaction Disposed Code (Instr. 5)  |     | ties Acquired (A)<br>I Of (D) (Instr. 3, 4 |      |               |   |  |  | 6. Ownership<br>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   | •  | Transa   | action(s)<br>3 and 4)   |   | (111501.4)     |
| Common  | Stock  |              |   | 11/26   | /2014  |   |   |       | P   |     | 10,000                                     | 0    | A             | \$3.0   | 07 <sup>(1)</sup> 48,000 D   |  | D   |   |                |
|   | 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 of Exercise Price of Derivative Security  Security  3. Transaction Date Execution Date (Month/Day/Year)  Or Exercise Price of Derivative Security  3. Transaction Date (Month/Day/Year)  (Month/Day/Year) |  | Date,        | 4.<br>Transaction<br>Code (Instr.<br>8) |         | of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |   | 6. Date Exercisable and Expiration Date (Month/Day/Year)  Date Expiration |       | 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)  Amoun or Numbe of Title Shares |     | estr. 3                                    | t    |               | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | 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) |   |   |                |

## **Explanation of Responses:**

1. The price reported in Column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$3.03 to \$3.08, inclusive. The reporting person undertakes to provide to MediciNova, Inc., any security holder of MediciNova Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price within the range set forth in this footnote.

## Remarks:

/s/ Yutaka Kobayashi

11/26/2014

\*\* 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.