

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

| OMB APPROVAL                                 |           |
|--|-----------|
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|  |   |   |
|--|---|---|
| 1. Name and Address of Reporting Person*<br><u>CHURCH JEFFREY WAYNE</u><br><br>(Last) (First) (Middle)<br><u>C/O CELSION CORPORATION</u><br><u>10220-L OLD COLUMBIA ROAD</u><br><br>(Street)<br><u>COLUMBIA MD 21046</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Celsion CORP [ CLSN ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><br><u>CFO</u> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>05/26/2011</u>       |   |
|  | 4. If Amendment, Date of Original Filed (Month/Day/Year)                    | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br>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 Indirect Beneficial Ownership (Instr. 4) |
|---|--------------------------------------|--|--------------------------------|---|---|------------|-----------------------|---|--|---|
|   |                                      |  | Code                           | V | Amount  | (A) or (D) | Price                 |   |  |   |
| Celsion Corporation Common Stock <sup>(1)</sup> | 05/26/2011                           |  | P                              |   | 3,454   | A          | \$2.77 <sup>(2)</sup> | 16,787  | 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 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 Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D) | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Warrants to purchase Common Stock <sup>(1)</sup> | \$2.77   | 05/26/2011                           |  | P                              |   | 3,454  |     | 11/26/2011   | 05/26/2011      | Celsion Corporation Common Stock  | 3,454                                      | \$0.125 <sup>(3)</sup>   | 6,787   | D  |       |

**Explanation of Responses:**

- The securities were purchased in a private placement transaction dated May 26, 2011 between Celsion Corporation and institutional investors as well as certain officers and directors of Celsion Corporation.
- Represents the closing consolidated bid price as reported on NASDAQ on the date of the transaction.
- Each warrant to purchase one share of common stock was purchased for \$0.125 per unit, which represents the value allocated to the warrant in accordance with the NASDAQ Stock Market Rules.

Timothy J Tumminello, 05/31/2011  
Controller & CAO

\*\* 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.