FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPRO | OVAL | | | | | |
|------------------------|-----------|--|--|--|--|--|
| OMB Number: | 3235-0287 | | | | | |
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| | Check this box if no longer subject to |
|----|--|
| ٦. | Section 16. Form 4 or Form 5 |
|) | obligations may continue. See |
| | Instruction 1(h) |

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* WICKWIRE JON M. | | | | | | 2. Issuer Name and Ticker or Trading Symbol Bacterin International Holdings, Inc. [BONE] | | | | | | | | | k all appli Directo | cable) or | g Per | son(s) to Iss | vner |
|--|--|--|--|-------|--|--|-------|--|--|---|------------------|---|---------------------------------------|---|--|--|---------------------------|--|--|
| (Last) (First) (Middle) 664 CRUISER LANE | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 11/10/2014 | | | | | | | | | Officer (give title below) | | Other (s below) | | specify |
| (Street) BELGRADE MT 59714 (City) (State) (Zip) | | | | 4. If | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | | Individual or Joint/Group Filing (Check Applicable ne) X 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. Transac Date (Month/Date) | | | | | | Execution Date, | | | 3. 4. Securities Addition Disposed Of (Disposed Of (Dispo | | | ities Acquir d Of (D) (In: | red (A) o | or and | 5. Amou Securitie Benefici Owned I Reporte | es ally Following | Form (D) o | n: Direct r Indirect nstr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | | | | | Code | v | Amount | (A) or (D) Price | | e | Transac | nsaction(s) str. 3 and 4) | | | (1113111 4) |
| 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. Deeme Execution I if any (Month/Day | Date, | 4. Transactio Code (Inst 8) | | | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | | 7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | | 9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4) | y Dire or li (I) (I | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | c | Code | v | (A) | | Date Exercisabl | | xpiration ate | Title | Amour or Number of Shares | er | | | | | |
| Restricted Stock Unit | (1) | 11/10/2014 | | | A | | 9,828 | | (2) | | (2) | Common Stock | 9,82 | 8 | \$0 | 9,828 | | D | |

Explanation of Responses:

- $1. \ Each \ restricted \ stock \ unit \ represents \ the \ contingent \ right \ to \ receive \ one \ share \ of \ Bacterin \ common \ stock.$
- 2. The restricted stock units vest on July 1, 2015.

/s/ Jon Wickwire

11/11/2014

** 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.