

Bacterin International Holdings, Inc.
 Form 4
 July 25, 2014

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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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 OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
JUDA GREGORY ALEXANDER

2. Issuer Name and Ticker or Trading Symbol
**Bacterin International Holdings, Inc.
 [BONE]**

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
664 CRUISER LANE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
07/24/2014

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Chief Scientific Officer

BELGRADE, MT 59714

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting Person

(City) (State) (Zip)

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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

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

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SEC 1474 (9-02)

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

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | Date Exercisable | Expiration Date | Title | Amount Number Shares |
|-----------------------|------------------------------|------------------|------------|---|-----------|-----------------------|-----------------|---------|----------------------|
| | | | | Code | V (A) (D) | | | | |
| Employee Stock Option | \$ 6.9 | 07/24/2014 | D | 25,000 | (1) | 11/17/2020 | Common Stock | 25,000 | |
| Employee Stock Option | \$ 1.48 | 07/24/2014 | D | 120,000 | (3) | 05/08/2022 | Common Stock | 120,000 | |
| Employee Stock Option | \$ 1.34 | 07/24/2014 | D | 2,500 | | 12/13/2007 08/22/2015 | Common Stock | 2,500 | |
| Employee Stock Option | \$ 1.34 | 07/24/2014 | D | 3,750 | | 12/13/2007 02/08/2017 | Common Stock | 3,750 | |
| Employee Stock Option | \$ 1.34 | 07/24/2014 | D | 24,999 | (4) | 08/21/2017 | Common Stock | 24,999 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|--------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| JUDA GREGORY ALEXANDER 664 CRUISER LANE BELGRADE, MT 59714 | | | Chief Scientific Officer | |

Signatures

/s/ Greg Juda 07/25/2014

__Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- (1) The option became exercisable in three equal annual installments beginning on 11/17/2011.
- (2) The option was canceled by mutual agreement of the reporting person and the issuer. The reporting person received \$1.00 as consideration for the cancellation of all options listed in this Form 4.
- (3) The option provided for vesting in five equal annual installments beginning April 1, 2013.
- (4) The option provided for vesting in three equal annual installments beginning August 21, 2008.

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

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