FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

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

| Loving Mark S | 2. Date of Event Requiring Statemen (Month/Day/Year) 08/14/2014 | ent | 3. Issuer Name and Ticker or Trading Symbol Minerva Neurosciences, Inc. [NERV] | | | | | |
|--|--|--------------------|--|---|------------------------|--|--|--|
| (Last) (First) (Middle) C/O MINERVA NEUROSCIENCES, INC. 245 FIRST STREET SUITE 1800 (Street) CAMBRIDGE MA 02142 (City) (State) (Zip) | | 4. | R. Relationship of Reporting Pers Check all applicable) Director X Officer (give title below) Vice President, General | 10% Owne Other (spe below) | (Mo | nth/Day/Year) dividual or Join licable Line) Form filed b Person | ate of Original Filed at/Group Filing (Check y One Reporting y More than One erson | |
| Table I - Non-Derivative Securities Beneficially Owned | | | | | | | | |
| 1. Title of Security (Instr. 4) | | | eneficially Owned (Instr. 4) | 3. Ownersh Form: Direct or Indirect ((Instr. 5) | t (D) (Instr | 4. Nature of Indirect Beneficial Ownership (Instr. 5) | | |
| Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | | |
| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securi Underlying Derivative Securi 4) | | 4. Conversion or | Form: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) | |
| | | Expiration Date | Title | Amount or Number of Shares | Price of o | Direct (D) or Indirect (I) (Instr. 5) | | |

Explanation of Responses:

No securities are beneficially owned.

/s/ Mark S. Levine

08/19/2014

** Signature of Reporting Person

Date

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

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.

^{*} If the form is filed by more than one reporting person, see Instruction 5 (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).