# FORM 3

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

OMB APPROVAL
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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

| 1. Name and Address of Reporting Person * | 2. Date of Event Requiring Statement (MM/DD/YYYY) | 3. Issuer Name **and** Ticker or Trading Symbol |
|---|---|---|
| **Riggs Arthur** | **4/27/2014** | **LIXTE BIOTECHNOLOGY HOLDINGS, INC. [LIXT.OB]** |
| (Last) (First) (Middle)<br>**4852, SAINT ANDREAS AVENUE** | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>____ Director ___ **X** ___ 10% Owner<br>____ Officer (give title below) ____ Other (specify below) | |
| (Street)<br>**LA VERNE, CA 91750**<br>(City) (State) (Zip) | 5. If Amendment, Date Original Filed (MM/DD/YYYY) | 6. Individual or Joint/Group Filing (Check Applicable Line)<br>___ Form filed by One Reporting Person<br>_ **X** _ Form filed by More than One Reporting Person |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1.Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|---|---|
| **Common Stock** | **4850000** | **I** | **see Footnote** (1) (2) |

**Table II - Derivative Securities Beneficially Owned ( *e.g.* , puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivate Security (Instr. 4) | 2. Date Exercisable and Expiration Date (MM/DD/YYYY) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|---|---|---|---|---|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |

**Explanation of Responses:**

**(1)** The shares are owned by the Arthur and Jane Riggs 1990 Revocable Trust, a revocable Trust of which Dr. Riggs and his wife are co-trustees. Dr. and Mrs. Riggs as co-trustees of the Trust share voting and dispositive power over the shares.

**(2)** This form is filed by Arthur Riggs and Jane Riggs who share the same address.

**Reporting Owners**

| Reporting Owner Name / Address | Relationships | | | |
|---|---|---|---|---|
| | Director | 10% Owner | Officer | Other |
| **Riggs Arthur**<br>**4852**<br>**SAINT ANDREAS AVENUE**<br>**LA VERNE, CA 91750** | | **X** | | |
| **Riggs Jane Merrill**<br>**4852**<br>**SAINT ANDRES AVENUE**<br>**LA VERNE, CA 91750** | | **X** | | |

**Signatures**

**/s/ Arthur Riggs** — **5/21/2014**

** Signature of Reporting Person — Date

| /s/ Jane Riggs | 5/21/2014 |
| --- | --- |
| ** 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 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).

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 control number.