

| OMB APPROVAL                                 |           |
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**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

|  |   |  |
|--|---|--|
| 1. Name and Address of Reporting Person*<br><u>Leonard Keith R</u><br><br>(Last) (First) (Middle)<br>C/O UNITY BIOTECHNOLOGY, INC.<br>3280 BAYSHORE BOULEVARD<br><br>(Street)<br>BRISBANE CA 94005<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Unity Biotechnology, Inc. [ UBX ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>Chief Executive Officer</u> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br>09/19/2019                          |  |
|  | 4. If Amendment, Date of Original Filed (Month/Day/Year)                                |  |

**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 |   |  |   |
| Common Stock, \$0.0001 par value |                                      |  |                                |   |   |            |       | 210,782 <sup>(1)</sup>  | D  |   |
| Common Stock, \$0.0001 par value |                                      |  |                                |   |   |            |       | 383,475   | I  | See Footnote <sup>(2)</sup>                           |
| Common Stock, \$0.0001 par value |                                      |  |                                |   |   |            |       | 148,448   | I  | See Footnote <sup>(3)</sup>                           |
| Common Stock, \$0.0001 par value |                                      |  |                                |   |   |            |       | 152,542   | I  | See Footnote <sup>(4)</sup>                           |

**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 |
| Stock Option (Right to Buy)                | \$3.43   | 09/19/2019                           |  | A                              |   | 35,525 <sup>(5)</sup>  |     | 09/19/2019   | 01/28/2028      | Common Stock  | 35,525                                     | \$0.00   | 35,525  | D  |       |

**Explanation of Responses:**

- Includes Restricted Stock Units which vest over time measured from the grant date.
- The shares are directly held by Andalusia Ventures LLC, a limited liability company in which the Reporting Person holds a controlling interest.
- The shares are directly held by Pathfinder Investment Fund, LLC, a limited liability company in which the Reporting Person holds a controlling interest.
- The shares are directly held by Keith Richard Leonard, Jr. 2017 Retained Annuity Trust.
- On January 29, 2018, Reporting Person was granted an option exercisable for 142,102 shares. Twenty-five percent (25%) of the shares was subject to vesting pursuant to the achievement of a clinical development milestone; in this case proof of concept that treatment with a senolytic drug meaningfully ameliorates a human disease. On September 19, 2019, Issuer's Board of Directors determined that such milestone was achieved.

**Remarks:**

/s/ Tamara L. Tompkins,  
Attorney-in-Fact for Keith R. Leonard      09/23/2019

\*\* 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.