

| OMB APPROVAL                                 |           |
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

|   |   |   |
|---|---|---|
| 1. Name and Address of Reporting Person*<br><u>Wilson John J. Addington</u><br><br>(Last) (First) (Middle)<br>C/O RAPID MICRO BIOSYSTEMS, INC.<br>1001 PAWTUCKET BOULEVARD WEST, SUITE 280<br><br>(Street)<br>LOWELL MA 01854<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>RAPID MICRO BIOSYSTEMS, INC. [ RPID ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><b>CHIEF OPERATING OFFICER</b> |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br>03/09/2023                              |   |
|   | 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 |         |   |  |   |
| Class A Common Stock            | 03/09/2023                           |  | A                              |   | 100,900 <sup>(1)</sup> | A   | \$0   | 158,377 | D   |  |   |

**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)                | \$1.24   | 03/09/2023                           |  | A                              |   | 210,900  |     | (2)  | 03/08/2033      | Class A Common Stock  | 210,900                                    | \$0  | 210,900   | D  |       |

**Explanation of Responses:**

- Grant of restricted stock units ("RSUs") that vest in three annual installments with 33.4% vesting on the first anniversary of March 9, 2023 (the "grant date") and 33.3% vesting on each of the second and third anniversaries of the grant date provided that the Reporting Person remains in continuous service on each vesting date.
- The option vests and becomes exercisable in 48 substantially equal monthly installments with the first installment vesting on April 9, 2023.

**Remarks:**

/s/ Jonathan Paris, Attorney-in-Fact for John J. Addington Wilson 03/13/2023

\*\* 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.