

**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

| OMB APPROVAL                                 |           |
|--|-----------|
| OMB Number:                                  | 3235-0287 |
| Estimated average burden hours per response: | 0.5       |

|   |  |  |
|---|--|--|
| 1. Name and Address of Reporting Person*<br><u>Yow Mai Chan</u><br><br>(Last) (First) (Middle)<br>FLUIDIGM CORPORATION<br>7000 SHORELINE COURT, SUITE 100<br><br>(Street)<br>SOUTH SAN FRANCISCO CA 94080<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>FLUIDIGM CORP [ FLDM ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><br>Director 10% Owner<br>Officer (give title below) Other (specify below)<br><br>X See Remarks |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br>11/20/2015               |  |
|   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                     | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><br>X Form filed by One Reporting Person<br><br>Form filed by More than One Reporting Person                |

**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                    | 11/20/2015                           |  | M                              |   | 350   | A          | (1)   | 3,703   | D  |   |
| Common Stock                    | 11/20/2015                           |  | M                              |   | 487   | A          | (1)   | 4,190   | 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 |
| Restricted Stock Units                     | (1)  | 11/20/2015                           |  | M                              |   |  | 350 | (2)  | (2)             | Common Stock  | 350  | \$0  | 3,034   | D  |       |
| Restricted Stock Units                     | (1)  | 11/20/2015                           |  | M                              |   |  | 487 | (3)  | (3)             | Common Stock  | 487  | \$0  | 6,176   | D  |       |

**Explanation of Responses:**

- Each Restricted Stock Unit represents the contingent right to receive one share of FLDM common stock upon vesting of the unit.
- On March 14, 2014, the Reporting Person was granted 5,600 Restricted Stock Units of which 4/48th of the total number of shares underlying the Restricted Stock Units granted vested on May 20, 2014, and 3/48th of the total number of shares underlying the Restricted Stock Units granted will vest every three months thereafter until fully vested, subject to recipient's continued status as a Service Provider as defined in the Company's 2011 Equity Incentive Plan through the applicable vest date.
- On March 12, 2015, the Reporting Person was granted 7,800 Restricted Stock Units of which 4/48th of the total number of shares underlying the Restricted Stock Units granted vested on May 20, 2015, and 3/48th of the total number of shares underlying the Restricted Stock Units granted will vest every three months thereafter until fully vested, subject to recipient's continued status as a Service Provider as defined in the Company's 2011 Equity Incentive Plan through the applicable vest date.

**Remarks:**

EXECUTIVE VP, WORLDWIDE MANUFACTURING & MANAGING DIRECTOR - SINGAPORE

/s/ Courtney O. Mathes,  
attorney-in-fact

11/24/2015

\*\* 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.