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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

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|--|--|---|
| 1. Name and Address of Reporting Person* <u>Paya Carlos V</u> (Last) (First) (Middle) FLUIDIGM CORPORATION 7000 SHORELINE COURT, SUITE 100 (Street) SOUTH SAN FRANCISCO CA 94080 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>FLUIDIGM CORP [FLDM]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>05/30/2018</u> | |
| 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 | 05/30/2018 | | M | | 5,000 | A | \$0 | 20,734 | D | |
| Common Stock | 05/30/2018 | | M | | 3,000 | A | \$0 | 23,734 | D | |
| Common Stock ⁽¹⁾ | 05/31/2018 | | A | | 6,100 ⁽²⁾ | A | \$0 | 29,834 | 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 | | | | | |
| Restricted Stock Units | (1) | 05/30/2018 | | M | | 5,000 | (3) | (3) | Common Stock | 5,000 | \$0 | 0 | D | |
| Restricted Stock Units | (1) | 05/30/2018 | | M | | 3,000 | (4) | (4) | Common Stock | 3,000 | \$0 | 0 | D | |
| Stock Option (Right to Buy) | \$5.57 | 05/31/2018 | | A | | 10,600 | (5) | 05/31/2028 | Common Stock | 10,600 | \$0 | 10,600 | 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.
- All shares underlying the Restricted Stock Units will fully vest on the earlier to occur of (i) one day prior to the date of the next annual meeting of the stockholders of the Company or (ii) May 31, 2019, in each case subject to recipient's continued service as a director through the applicable vest date.
- On August 1, 2017, the Reporting Person was granted Restricted Stock Units, vesting fully on the earlier to occur of: (i) one day prior to the date of the next annual meeting of the stockholders of the Company; or (ii) August 1, 2018, subject to continued service as a director through the vesting date.
- On September 13, 2017, the Reporting Person was granted Restricted Stock Units, vesting fully on the earlier to occur of: (i) one day prior to the date of the next annual meeting of the stockholders of the Company; or (ii) August 1, 2018, subject to continued service as a director through the vesting date.
- 1/12th of the shares subject to the Option will vest monthly, subject to continued service as a director, such that the Option will be fully vested on May 31, 2019.

Remarks:

/s/ Carlos V. Paya by Nicholas Khadder, Attorney-in-Fact 06/01/2018

** 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.