

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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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* <u>UNGER MARC</u> (Last) (First) (Middle) <u>FLUIDIGM CORPORATION</u> <u>7000 SHORELINE COURT SUITE 100</u> (Street) <u>SOUTH SAN FRANCISCO CA 94080</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>08/06/2015</u>	3. Issuer Name and Ticker or Trading Symbol <u>FLUIDIGM CORP [FLDM]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____ <p style="text-align: center;"><u>See Remarks</u></p>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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	2,401	D	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Employee Stock Option (Right to Buy)	(1)	08/26/2020	Common Stock 934	4.4461	D	
Employee Stock Option (Right to Buy)	(1)	01/04/2021	Common Stock 4,850	8.3732	D	
Employee Stock Option (Right to Buy)	(1)	01/04/2021	Common Stock 270	8.3732	D	
Employee Stock Option (Right to Buy)	(2)	03/05/2022	Common Stock 20,000	14.55	D	
Employee Stock Option (Right to Buy)	(3)	02/15/2023	Common Stock 55,000	16.73	D	
Employee Stock Option (Right to Buy)	(4)	03/14/2024	Common Stock 14,000	47.55	D	
Employee Stock Option (Right to Buy)	(4)	03/14/2024	Common Stock 12,000	47.55	D	
Employee Stock Option (Right to Buy)	(5)	03/12/2025	Common Stock 12,000	41.14	D	
Restricted Stock Units	(6)	(7)	Common Stock 3,734	0.00	D	
Restricted Stock Units	(8)	(7)	Common Stock 3,200	0.00	D	
Restricted Stock Units	(9)	(7)	Common Stock 4,401	0.00	D	

Explanation of Responses:

- The Option is fully vested.
- 1/48th of the shares subject to the Option vested on January 1, 2012 and 1/48th of the shares subject to the Option vested on February 1, 2012 and each month thereafter, such that the Option will be fully vested on January 1, 2016.
- 1/48th of the shares subject to the Option vested on January 1, 2013 and 1/48th of the shares subject to the Option vested on February 1, 2013 and each month thereafter, such that the Option will be fully vested on January 1, 2017.
- 1/48th of the shares subject to the Option vested on January 1, 2014 and 1/48th of the shares subject to the Option vested on February 1, 2014 and each month thereafter, such that the Option will be fully vested on January 1, 2018.
- 2/48th of the shares subject to the Option vested on March 12, 2015 and 1/48th of the shares subject to the Option vest on April 1, 2015 and each month thereafter, such that the Option will be fully vested on January 1, 2019.
- On March 14, 2014, the Reporting Person was originally 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 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.
- 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 originally granted 4,800 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 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 originally granted 4,800 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 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:

Sr. VP, R&D & Single-Cell Biology Marketing Exhibit List Exhibit 24 - Power of Attorney

Valerie Barnett, attorney-in-
fact

08/17/2015

** 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 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 Number.

POWER OF ATTORNEY

The undersigned, as a Section 16 reporting person of Fluidigm Corporation (the "Company"), hereby constitutes and appoints the officers of the Company and the responsible attorneys and paralegals of Wilson Sonsini Goodrich & Rosati, P.C., and each of them, the undersigned's true and lawful attorney-in-fact to:

1. complete and execute Forms ID, 3,4 and 5 and other forms and all amendments thereto as such attorney-in-fact shall in his or her discretion determine to be required or advisable pursuant to Section 16 of the Securities Exchange Act of 1934 (as amended) and the rules and regulations promulgated thereunder, or any successor laws and regulations, as a consequence of the undersigned's ownership, acquisition or disposition of securities of the Company; and
2. do all acts necessary in order to file such forms with the Securities and Exchange Commission, any securities exchange or national association, the Company and such other person or agency as the attorney-in-fact shall deem appropriate.

The undersigned hereby ratifies and confirms all that said attorney-in-fact and agents shall do or cause to be done by virtue hereof. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934 (as amended).

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms ID, 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the Company and the foregoing attorney-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 12th day of August, 2015.

Signature: /s/ Marc Unger

Marc Unger