

**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
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1. Name and Address of Reporting Person* <u>COLELLA SAMUEL D</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. 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>07/31/2017</u>	
		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 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	07/31/2017		M		5,000	A	\$0	45,197	D	
Common Stock								5,561	I	Colella Family Partners, L.P. <sup>(1)</sup>
Common Stock								17,500	I	Colella Family Exempt Marital Deduction Trust dated 9/21/1992
Common Stock								3,326	I	Colella Family Non-Exempt Marital Deduction Trust dated 9/21/1992

**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	(2)	07/31/2017		M		5,000		07/31/2017	07/31/2017	Common Stock	5,000	\$0	0	D	
Restricted Stock Units	(2)	08/01/2017		A		5,000		(3)	(3)	Common Stock	5,000	\$0	5,000	D	
Stock Option (Right to Buy)	\$3.43	08/01/2017		A		5,000		(4)	08/01/2027	Common Stock	5,000	\$0	5,000	D	

**Explanation of Responses:**

1. The shares are held by Colella Family Partners, L.P. ("Colella Partners"). The shares were received in in-kind distributions by Versant Ventures I, LLC, which is the general partner of each of Versant Venture Capital I, L.P., Versant Side Fund I, L.P., Versant Affiliates Fund I-A, L.P. and Versant Affiliates Fund I-B, L.P. (collectively, the "Versant Funds"), on November 4, 2013. The Reporting Person is the General Partner of Colella Partners. The Reporting Person disclaims beneficial ownership of such shares held by Colella Partners, except to the extent of his proportionate pecuniary interest therein, if any.

2. Each Restricted Stock Unit represents the contingent right to receive one share of FLDM common stock upon vesting of the unit.
3. All shares underlying the Restricted Stock Units will fully vest on the earlier to occur of one day prior to the date of the next annual meeting of the stockholders of the Company or August 1, 2018, subject to continued service as a director through the vesting date.
4. 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 August 1, 2018.

**Remarks:**

/s/ Nicholas Khadder, attorney      08/02/2017  
in fact

\*\* 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.**