

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 * COLELLA SAMUEL D (Last) (First) (Middle) C/O VERSANT VENTURES 3000 SAND HILL ROAD, #4-210 (Street) MENLO PARK CA 94025 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol FLUIDIGM CORP [FLDM]	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) 02/19/2015	
	4. 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 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							5,561	I	Colella Family Partners, L.P. ⁽¹⁾	
Common Stock	02/19/2015		M		3,200	A	\$16	22,873	D	
Common Stock	02/19/2015		M		12,000	A	\$14	34,873	D	
Common Stock	02/19/2015		M		12,000	A	\$13.08	46,873	D	
Common Stock	02/19/2015		M		8,670	A	\$8.3732	55,543	D	
Common Stock	02/19/2015		M		2,970	A	\$4.4461	58,513	D	
Common Stock	02/19/2015		S		38,840 ⁽²⁾	D	\$38.9734 ⁽²⁾	19,673	D	
Common Stock	02/20/2015		M		5,700	A	\$4.4461	25,373	D	
Common Stock	02/20/2015		S		5,700 ⁽³⁾	D	\$38.9208 ⁽³⁾	19,673	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
Employee Stock Option (Right to Buy)	\$16	02/19/2015		M			3,200	(4)	06/06/2023	Common Stock	3,200	\$0	0	D	
Employee Stock Option (Right to Buy)	\$14	02/19/2015		M			12,000	(5)	05/16/2022	Common Stock	12,000	\$0	0	D	
Employee Stock Option (Right to Buy)	\$13.08	02/19/2015		M			12,000	(6)	09/07/2021	Common Stock	12,000	\$0	0	D	
Employee Stock Option (Right to Buy)	\$8.3732	02/19/2015		M			8,670	(7)	01/06/2021	Common Stock	8,670	\$0	0	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	Amount or Number of Shares						
Employee Stock Option (Right to Buy)	\$4.4461	02/19/2015		M			2,970	(8)	01/28/2020		Common Stock	2,970	\$0	5,700	D		
Employee Stock Option (Right to Buy)	\$4.4461	02/20/2015		M			5,700	(8)	01/28/2020		Common Stock	5,700	\$0	0	D		

Explanation of Responses:

- The shares are held by Colella Family Partners, L.P. ("Colella Partners"). 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.
- The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares sold. These shares were sold in multiple transactions at prices ranging from \$38.30 to \$39.23, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares sold at each separate price within the range set forth herein.
- The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares sold. These shares were sold in multiple transactions at prices ranging from \$38.70 to \$39.06, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares sold at each separate price within the range set forth herein.
- The shares subject to the Option fully vested on June 6, 2014.
- The shares subject to the Option fully vested on May 16, 2013.
- The shares subject to the Option fully vested on September 8, 2012.
- The shares subject to the Option fully vested on January 28, 2012.
- The shares subject to the Option fully vested on January 28, 2011.

Remarks:

/s/ Valerie Barnett, attorney-in-fact 02/23/2015

** 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.

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