#### FLUIDIGM CORP

Form 4

February 17, 2011

## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB Number:

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * COLELLA SAMUEL D			2. Issuer Name <b>and</b> Ticker or Trading Symbol FLUIDIGM CORP [FLDM]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)		
(Last) 3000 SAND BUILDING BUIL			3. Date of Earliest Transaction (Month/Day/Year) 02/15/2011	_X_ Director 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		
MENLO PAI	RK, CA 9402	25		Person		

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficia	ally Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)						5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		
Common Stock	02/15/2011	02/15/2011	C(1)	2,065	A	<u>(2)</u>	2,065	I	See Footnotes (3) (4)
Common Stock	02/15/2011	02/15/2011	C(5)	7,297	A	<u>(2)</u>	9,362	I	See Footnotes (3) (4)
Common Stock	02/15/2011	02/15/2011	C(5)	6,401	A	<u>(2)</u>	15,763	I	See Footnotes (3) (4)
Common Stock	02/15/2011	02/15/2011	C(5)	1,769	A	<u>(2)</u>	17,532	I	See Footnotes

									(3) (4)
Common Stock	02/15/2011	02/15/2011	C(1)	5,185	A	<u>(2)</u>	22,717	I	See Footnotes
Common Stock	02/15/2011	02/15/2011	C(5)	29,190	A	<u>(2)</u>	51,907	I	See Footnotes (4) (6)
Common Stock	02/15/2011	02/15/2011	C(5)	13,442	A	<u>(2)</u>	65,349	I	See Footnotes (4) (6)
Common Stock	02/15/2011	02/15/2011	C(5)	3,715	A	<u>(2)</u>	69,064	I	See Footnotes (4) (6)
Common Stock	02/15/2011	02/15/2011	C(1)	2,092	A	<u>(2)</u>	71,156	I	See Footnotes
Common Stock	02/15/2011	02/15/2011	C(5)	10,425	A	<u>(2)</u>	81,581	I	See Footnotes

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

#### 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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exer Expiration D (Month/Day)	ate	and 7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. P. Deri Secu (Ins
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Series E Preferred Stock	(2)	02/15/2011	02/15/2011	C	2,065	<u>(8)</u>	<u>(8)</u>	Common Stock	2,065	
Series B Preferred Stock	(2)	02/15/2011	02/15/2011	С	7,297	<u>(9)</u>	<u>(9)</u>	Common Stock	7,297	

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Series C Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	С	6,401	<u>(9)</u>	<u>(9)</u>	Common Stock	6,401
Series D Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	C	1,769	<u>(9)</u>	<u>(9)</u>	Common Stock	1,769
Series E Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	C	5,185	(8)	(8)	Common Stock	5,185
Series B Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	C	29,190	<u>(9)</u>	<u>(9)</u>	Common Stock	29,190
Series C Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	С	13,442	<u>(9)</u>	<u>(9)</u>	Common Stock	13,442
Series D Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	С	3,715	<u>(9)</u>	<u>(9)</u>	Common Stock	3,715
Series E Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	C	2,092	(8)	(8)	Common Stock	2,092
Series B Preferred Stock	<u>(2)</u>	02/15/2011	02/15/2011	C	10,425	<u>(9)</u>	<u>(9)</u>	Common Stock	10,425

## **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

COLELLA SAMUEL D 3000 SAND HILL ROAD, BUILDING FOUR SUITE 210 MENLO PARK, CA 94025

X

## **Signatures**

/s/ William Smith, attorney-in-fact 02/16/2011

\*\*Signature of Reporting Person Dat

# **Explanation of Responses:**

- \* 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).
- (1) Represents shares of Common Stock issued upon conversion of shares of Series E Preferred Stock on a 1-for 1.300053676865 basis.

(2) Not applicable.

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- (3) Versant Affiliates Fund I-A, L.P., is the record holder of the securities reported.
  - Voting and investment power over the shares directly held by Versant Venture Capital I, L.P., Versant Affiliates Fund I-A, L.P., Versant Affiliates Fund I-B, L.P., and Versant Side Fund I, L.P., is held by Versant Ventures I, LLC, their sole General Partner, Samuel D. Colella, the reporting person is a Managing Member of Versant Ventures I, LLC but he disclaims beneficial ownership of these shares,
- (4) except to the extent of his pecuniary interest therein. The individual Managing Members of Versant Ventures I, LLC are Brian G. Atwood, Samuel D. Colella, Ross A. Jaffe, William J. Link, Barbara N. Lubash, Donald B. Milder, and Rebecca B. Robertson, all of whom share voting and dispositive control. Each respective individual General Partner disclaims beneficial ownership of these shares, except to the extent of their pecuniary interest therein.
- (5) Represents shares of Common Stock issued upon the conversion of shares of Series B Preferred Stock, Series C Preferred Stock or Series D Preferred Stock on a 1-for-1 basis.
- (6) Versant Affiliates Fund I-B, L.P. is the record holder of the securities reported.
- (7) Versant Side Fund I, L.P., is the record holder of the securities reported.
- (8) Versant Venture Capital I, L.P., is the record holder of the securities reported.
- (9) Each share of Series E Preferred Stock automatically converted into 1.300053676865 share of Common Stock on February 15, 2011, the closing date of the Issuer's initial public offering (the "Closing") and has no expiration date.

#### **Remarks:**

**Exhibit List** 

Exhibit 24 - Power of Attorney

#### Form 1 of 2

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.