

Whitaker Raymond J  
 Form 3  
 February 09, 2011

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Whitaker Raymond J		(Month/Day/Year)	FLUIDIGM CORP [FLDM]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
45 ROCKEFELLER PLAZA, SUITE 1410		02/09/2011	(Check all applicable)	
(Street)			<input checked="" type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
NEW YORK,Â NYÂ 10111			<input type="checkbox"/> Officer	<input type="checkbox"/> Other
(City)	(State)	(Zip)	(give title below)	(specify below)
			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)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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**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 of Derivative Security: Direct (D) or Indirect (I)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

(Instr. 5)

Series E Preferred Warrant (Right to Buy)	Â (1)	Â (2)	Common Stock	11,924 (1) (3)	\$ 24.22	I	See footnotes (4) (5)
Series E Preferred Stock	Â (1)	Â (6)	Common Stock	47,400 (1) (3)	\$ 0	I	See footnotes (4) (5)
Series C Preferred Stock	Â (7)	Â (7)	Common Stock	320,063 (3)	\$ 0	I	See footnotes (4) (5)
Series D Preferred Stock	Â (7)	Â (7)	Common Stock	66,991 (3)	\$ 0	I	See footnotes (4) (5)
Series E Preferred Warrant (Right to Buy)	Â (1)	Â (2)	Common Stock	11,924 (1) (3)	\$ 24.22	I	See footnotes (5) (8)
Series E Preferred Stock	Â (1)	Â (6)	Common Stock	47,400 (1) (3)	\$ 0	I	See footnotes (5) (8)
Series C Preferred Stock	Â (7)	Â (7)	Common Stock	320,063 (3)	\$ 0	I	See footnotes (5) (8)
Series D Preferred Stock	Â (7)	Â (7)	Common Stock	66,991 (3)	\$ 0	I	See footnotes (5) (8)
Stock Option (Right to Buy)	Â (9)	Â (9)	Common Stock	8,670 (3)	\$ 8.38	D	Â
Stock Option (Right to Buy)	Â (10)	Â (10)	Common Stock	8,670 (3)	\$ 4.45	D	Â

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director 10% Owner Officer Other

Whitaker Raymond J  
45 ROCKEFELLER PLAZA, SUITE 1410 Â X Â Â Â  
NEW YORK, Â NY Â 10111

## Signatures

/s/ Gajus V. Worthington,  
attorney-in-fact

02/09/2011

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

- \* 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).
- (1) Reflects the automatic conversion of each share of Series E Preferred Stock into 1.3 shares of Common Stock to occur upon the closing of the Issuer's initial public offering.
- (2) Expires immediately prior to the closing of the Issuer's initial public offering.
- (3) Reflects a 1-for-1.73 reverse stock split of the Issuer's outstanding shares effected February 3, 2011.
- (4) EuclidSR Partners, L.P., is the record holder of the securities reported on Lines 1, 2, 3 and 4 of Table 2.

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- Mr. Whitaker, the reporting person who is a member of the Board of Directors of the Issuer shares voting and investment power with Graham D.S. Anderson, Milton J. Pappas and Stephen K. Reidy, each of whom are General Partners of EuclidSR Associates, L.P., the
- (5) General Partner of EuclidSR Partners and EuclidSR Biotechnology Associates, L.P., the General Partner of EuclidSR Biotechnology Partners. Each General Partner of EuclidSR Associates, L.P. and EuclidSR Biotechnology Associates, L.P. disclaims beneficial ownership of the shares except to the extent of their pecuniary interest therein.
- (6) Each share has no expiration date.
- (7) Reflects the automatic conversion of each share of Series C Preferred Stock and Series D Preferred Stock into one share of Common Stock to occur upon the closing of the Issuer's initial public offering. Each share has no expiration date.
- (8) EuclidSR Biotechnology Partners, L.P., is the record holder of the securities reported on Lines 5, 6, 7 and 8 of Table 2.
- (9) 1/12th of the shares subject to such Option shall vest on each monthly anniversary of January 28, 2011 (the "Vesting Commencement Date"), such that the Option will be fully vested on the first annual anniversary of the Vesting Commencement Date. The Option shall expire on January 6, 2021.
- (10) The Option fully vested on January 28, 2011. The Option shall expire on January 28, 2020.

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### Remarks:

ExhibitÂ List

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ExhibitÂ 24Â -Â PowerÂ ofÂ Attorney

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.