OMB APPROVAL

OMB 3235-0104 Number: January 31, **INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF** Expires: 2005 **SECURITIES** Estimated average burden hours per Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, response... 0.5 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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement FLUIDIGM CORP [FLDM] VERSANT VENTURE (Month/Day/Year) CAPITAL I LP 02/09/2011 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 3000 SAND HILL ROAD, (Check all applicable) **BUILDING FOUR. SUITE 210** (Street) 6. Individual or Joint/Group _X_ 10% Owner Director Officer Other Filing(Check Applicable Line) (give title below) (specify below) Form filed by One Reporting Person MENLO PARK. CAÂ 94025 _X_ Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 1. Title of Security 2. Amount of Securities 3. 4. Nature of Indirect Beneficial Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) 164 (1) Series E1 Preferred I See Footnotes (2) (3)Series E1 Preferred 346 (1) Ι See Footnotes (3) (4)148 (1) See Footnotes ⁽³⁾ ⁽⁵⁾ Series E1 Preferred Ι Series E1 Preferred 7,596 (1) I See Footnotes (3) (6) Reminder: Report on a separate line for each class of securities beneficially

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

VERSANT VENTURE CAPITAL I LP

Form 3

February 09, 2011

owned directly or indirectly.

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 control number.

SEC 1473 (7-02)

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	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)		
Series E Preferred Warrant (Right to Buy)	(7)	(8)	Common Stock	479 (1) (7)	\$ 24.22	Ι	See footnotes (2) (3)	
Series E Preferred Stock	(7)	(10)	Common Stock	2,065 (1) (7)	\$ 0	Ι	See footnotes (2) (3)	
Series B Preferred Stock	(9)	(9)	Common Stock	7,297 <u>(1)</u>	\$ 0	Ι	See footnotes (2) (3)	
Series C Preferred Stock	(9)	(9)	Common Stock	6,401 <u>(1)</u>	\$ 0	Ι	See footnotes (2) (3)	
Series D Preferred Stock	(9)	(9)	Common Stock	1,769 <u>(1)</u>	\$ 0	Ι	See footnotes (2) (3)	
Series E Preferred Warrant (Right to Buy)	(7)	(8)	Common Stock	1,417 <u>(1)</u> (7)	\$ 24.22	Ι	See footnotes (3) (4)	
Series E Preferred Stock	(7)	(10)	Common Stock	5,185 <u>(1)</u> (7)	\$ 0	Ι	See footnotes (3) (4)	
Series B Preferred Stock	(9)	(9)	Common Stock	29,190 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (4)	
Series C Preferred Stock	(9)	(9)	Common Stock	13,442 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (4)	
Series D Preferred Stock	(9)	(9)	Common Stock	3,715 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (4)	
Series E Preferred Warrant (Right to Buy)	(7)	(8)	Common Stock	544 (1) (7)	\$ 24.22	Ι	See footnotes (3)	
Series E Preferred Stock	(7)	(10)	Common Stock	2,092 <u>(1)</u>	\$ 0	Ι	See footnotes (3)	
Series B Preferred Stock	(9)	(9)	Common Stock	10,425 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (5)	
Series C Preferred Stock	(9)	(9)	Common Stock	5,760 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (5)	
Series D Preferred Stock	(9)	(9)	Common Stock	1,592 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (5)	
Series E Preferred Warrant (Right to Buy)	(7)	(8)	Common Stock	26,181 (1) (7)	\$ 24.22	Ι	See footnotes (3) (6)	
Series E Preferred Stock	(7)	(10)	Common Stock	103,546 (1) (7)	\$ 0	Ι	See footnotes (3) (6)	

Edgar Filing: VERSANT VENTURE CAPITAL I LP - Form 3

Series B Preferred Stock	(9)	(9)	Common Stock	474,354 (1)	\$ 0	I	See footnotes (3) (6)
Series C Preferred Stock	(9)	(9)	Common Stock	294,457 (1)	\$ 0	Ι	See footnotes (3) (6)
Series D Preferred Stock	(9)	(9)	Common Stock	81,396 <u>(1)</u>	\$ 0	Ι	See footnotes (3) (6)

Reporting Owners

Reporting Owner Name / Address		Relationships					
, , , , , , , , , , , , , , , , , , ,	Director	10% Owner	Officer	Other			
VERSANT VENTURE CAPITAL I LP 3000 SAND HILL ROAD, BUILDING FOU SUITE 210 MENLO PARK, CA 94025	R	Â	X	Â	Â		
VERSANT AFFILIATES FUND I-A LP 3000 SAND HILL ROAD, BUILDING FOU SUITE 210 MENLO PARK, CA 94025	R,	Â	X	Â	Â		
VERSANT AFFILIATES FUND I-B LP 3000 SAND HILL ROAD, BUILDING FOU SUITE 210 MENLO PARK, CA 94025	R,	Â	X	Â	Â		
VERSANT SIDE FUND I LP 3000 SAND HILL ROAD, BUILDING FOU SUITE 210 MENLO PARK, CA 94025	R,	Â	X	Â	Â		
Signatures							
/s/ Gajus V. Worthington, attorney-in-fact	02/0	09/2011					
**Signature of Reporting Person		Date					
/s/ Gajus V. Worthington, attorney-in-fact	02/0)9/2011					
**Signature of Reporting Person		Date					
/s/ Gajus V. Worthington, attorney-in-fact	02/0)9/2011					
<u>**</u> Signature of Reporting Person		Date					
/s/ Gajus V. Worthington, attorney-in-fact	02/0	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 a 1-for-1.73 reverse stock split of the Issuer's outstanding shares effected February 3, 2011.
- (2) Versant Affiliates Fund 1-A, L.P., is the record holder of the securities.

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,

- (3) 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.
- (4) Versant Affiliates Fund 1-B, L.P., is the record holder of the securities.
- (5) Versant Side Fund 1, L.P., is the record holder of the securities.
- (6) Versant Venture Capital I, L.P., is the record holder of the securities.
- (7) 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.
- (8) Expires immediately prior to the closing of the Issuer's initial public offering.

Reflects the automatic conversion of each share of Series B Preferred Stock, Series C Preferred Stock, Series D Preferred Stock and
Series E1 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.

(10) Each share has no expiration date.

Â

Remarks:

Exhibit List

Exhibit 24 - Power of 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.