FORM 4

Section 16. Form 4 or Form 5 obligations may continue. See

Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Section 10. Form 4 or Form 5	

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* Yow Mai Chan (Last) (First) (Middle) FLUIDIGM CORPORATION 7000 SHORELINE COURT, SUITE 100						Issuer Name and Ticker or Trading Symbol FLUIDIGM CORP [FLDM] 3. Date of Earliest Transaction (Month/Day/Year) 01/09/2013									all applicable) Director Officer (give title		g Person(s) to Issuer 10% Owner Other (specify		
															below) See Remarks				
(Street) SOUTH SAN FRANCISCO CA 94080					4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								e) X Forn Forn					
(City)	(S	tate)	(Zip)																
		Tab	le I - No	n-Deri	vativ	e Sec	curit	ies Ac	quired,	Dis	sposed o	f, or Be	neficia	ly Owne	d				
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day					Execution Date,					4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a			5) Securi Benefi	cially I Following	Form (D) o	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)	Price	Transa	ction(s) 3 and 4)			(Instr. 4)		
Common Stock 01/09/2					9/2013	013			M		19,900	A	\$4.44	61 1	19,900		D		
Common Stock 01/09/2					9/2013	013			S		19,900(1) D	\$15.	5	0		D		
		-	Table II								osed of, convertil			/ Owned					
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)		n of		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)		e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership tt (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisal	ole	Expiration Date	Title	Amount or Number of Shares						
Employee Stock Option (Right to	\$4.4461	01/09/2013			M			19,900	(2)		05/07/2017	Common Stock	19,900	\$0	4,74	4	D		

Explanation of Responses:

- 1. The sales reported by Ms. Yow were effected pursuant to a Rule 10b5-1 trading plan adopted on June 1, 2012.
- 2. 100% of the shares subject to the Option vested on May 1, 2010.

Remarks:

EXECUTIVE VP, WORLDWIDE MANUFACTURING & MANAGING DIRECTOR - SINGAPORE

Valerie Barnett, attorney-in-fact 01/11/2013

** 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.