FORM 4

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
obligations may continue. See
Instruction 1(h)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Name and Address of Reporting Person* Yow Mai Chan							2. Issuer Name and Ticker or Trading Symbol FLUIDIGM CORP [FLDM]									cable) or (give title	g Pers	son(s) to Iss 10% Ov Other (s	vner	
(Last)	(F	irst)	3. D	Date of Earliest Transaction (Month/Day/Year)									below)			below)				
FLUIDIGM CORPORATION							02/15/2013									See R	emar	KS		
7000 SHORELINE COURT, SUITE 100																				
(Street) SOUTH SAN FRANCISCO CA 94080				4. If										6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City) (State) (Zip)																				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)						ar)	2A. Deemed Execution Date, if any (Month/Day/Year		Code (I	Transaction Dispo		urities Acquired (A) sed Of (D) (Instr. 3, 4			5. Amou Securitie Beneficia Owned F Reported	s ally following I	Form (D) o	vnership i: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	٧	Amount	(A) or (D) Pr		Price		Transaction(s) (Instr. 3 and 4)				
	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)				6. Date Ex Expiration (Month/Da	Date		7. Title and Amo of Securities Underlying Derivative Secu (Instr. 3 and 4)		urity	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e S Illy	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisabl		expiration Pate	Title	Amount or Number of Shares							
Employee Stock Option (Right to Buy)	\$16.73	02/15/2013			A		66,000		(1)	0	2/15/2023	Common Stock	66	,000	\$0	66,000	0	D		

Explanation of Responses:

 $1.\ 1/48\ of\ the\ shares\ subject\ to\ the\ Option\ vest\ monthly\ beginning\ January\ 1,\ 2013.$

EXECUTIVE VP, WORLDWIDE MANUFACTURING & MANAGING DIRECTOR - SINGAPORE

/s/ Valerie Barnett, attorney-in-

fact

** Signature of Reporting Person

Date

02/21/2013

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.