

Yow Mai Chan
Form 4
September 21, 2011

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(b).

**STATEMENT OF CHANGES IN 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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Yow Mai Chan

(Last) (First) (Middle)

FLUIDIGM CORPORATION, 7000
SHORELINE COURT SUITE 100

(Street)

SOUTH SAN
FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol
FLUIDIGM CORP [FLDM]

3. Date of Earliest Transaction
(Month/Day/Year)
09/19/2011

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title ____ Other (specify
below) below)
VP, WW Mfg & MD-Singapore

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)				5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	09/19/2011		M		5,093	A	\$ 4.08	5,093		D
Common Stock	09/19/2011		S ⁽¹⁾		5,093 ⁽²⁾	D	\$ 14.4204 ⁽²⁾	0		D
Common Stock	09/19/2011		M		3,468	A	\$ 4.08	3,468		D
Common Stock	09/19/2011		S ⁽¹⁾		3,468 ⁽²⁾	D	\$ 14.4204 ⁽²⁾	0		D

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Common Stock	09/19/2011	M	4,772	A	\$ 3.39	4,772	D
Common Stock	09/19/2011	S ⁽¹⁾	<u>4,772</u> (2)	D	\$ 14.4204 (2)	0	D
Common Stock	09/19/2011	M	6,667	A	\$ 4.45	6,667	D
Common Stock	09/19/2011	S ⁽¹⁾	<u>6,667</u> (2)	D	\$ 14.4204 (2)	0	D
Common Stock	09/20/2011	M	20,000	A	\$ 3.39	20,000	D
Common Stock	09/20/2011	S ⁽¹⁾	<u>20,000</u> (7)	D	\$ 14.6172	0	D

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable Expiration Date	Title	
Employee Stock Option (Right to Buy)	\$ 4.08	09/19/2011		M	5,093	(3) 11/17/2019	Common Stock	5,093
Employee Stock Option (Right to Buy)	\$ 4.08	09/19/2011		M	3,468	(4) 11/17/2019	Common Stock	3,468
Employee Stock	\$ 3.39	09/19/2011		M	4,772	(5) 08/02/2015	Common Stock	4,772

Option
(Right to
Buy)

Employee
Stock

Option (Right to Buy)	\$ 4.45	09/19/2011	M	6,667	<u>(6)</u>	09/26/2016	Common Stock	6,667
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Employee
Stock

Option (Right to Buy)	\$ 3.39	09/20/2011	M	20,000	<u>(5)</u>	08/02/2015	Common Stock	20,000
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Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Yow Mai Chan
FLUIDIGM CORPORATION
7000 SHORELINE COURT SUITE 100
SOUTH SAN FRANCISCO, CA 94080

VP, WW Mfg & MD-Singapore

Signatures

/s/ William M. Smith,
attorney-in-fact

09/21/2011

__Signature of Reporting Person

Date

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) The sales reported by Ms. Yow were effected pursuant to a Rule 10b5-1 trading plan adopted on September 13, 2011.

(2) The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares acquired. These shares were purchased in multiple transactions at prices ranging from \$14.12 to \$14.59, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares purchased at each separate price within the ranges set forth herein.

(3) 70% of the shares subject to the Option vested on December 31, 2009, 25% of the remaining 30% of the shares subject to the Option vested on April 1, 2010 and 1/48th of the remaining unvested shares subject to the Option shall vest each month thereafter.

(4) 60% of the shares subject to the Option vested on December 31, 2009 and the remaining shares shall vest on December 31, 2012.

(5) 100% of the shares subject to the Option vested on June 8, 2009.

(6) 100% of the shares subject to the Option vested on December 27, 2010.

(7) The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares acquired. These shares were purchased in multiple transactions at prices ranging from \$14.27 to \$14.99, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares purchased at each separate price within the ranges set forth herein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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