Loh Jeremy Form 4 February 16, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Loh Jeremy

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

(Last)

(City)

(First)

(Middle)

(Zip)

FLUIDIGM CORP [FLDM]

3. Date of Earliest Transaction

250A TWIN DOLPHIN DRIVE

(Month/Day/Year)

02/14/2011

X_ Director 10% Owner Other (specify Officer (give title

below)

(Street)

(State)

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

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

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

REDWOOD CITY, CA 94065

		1 40	Table 1 - Non-Derivative Securities Acquired, Disposed bi, of Deficiently Owned						
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired (A Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			red (A)	Beneficially Form Owned Directory Following or In Reported (I)	Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	02/15/2011		C(1)	1,047,955	A	<u>(2)</u>	1,047,955	I	I (3) (4)
Common Stock	02/15/2011		C(5)	623,531	A	<u>(2)</u>	1,671,486	I	I (3) (4)
Common Stock	02/15/2011		C(5)	128,025	A	(2)	1,799,511	I	I (4) (6)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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 orDerivative 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)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Series E Preferred Stock	<u>(2)</u>	02/15/2011		C		1,047,955	<u>(7)</u>	<u>(7)</u>	Common Stock	1,047,95
Series D Preferred Stock	<u>(2)</u>	02/15/2011		C		623,531	<u>(8)</u>	(8)	Common Stock	623,531
Series C Preferred Stock	(2)	02/15/2011		C		128,025	<u>(8)</u>	(8)	Common Stock	125,025

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Loh Jeremy 250A TWIN DOLPHIN DRIVE	X						
REDWOOD CITY, CA 94065							

Signatures

Stephanie Sterling of Gibson Dunn & Crutcher, attorney-in-fact for Jeremy Loh

02/16/2011

**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) Represents shares of Common Stock issued upon conversion of shares of Series E Preferred Stock on a 1-for 1.300053676865 basis.
- (2) Not applicable.
- (3) Biomedical Sciences Investment Fund Pte Ltd is the record holder of the securities reported.

EDB Investments Pte Ltd, or EDB Investments, is the parent entity of Biomedical Sciences Investment Fund Pte Ltd and Singapore Bio-Innovations Pte Ltd. The Economic Development Board of Singapore, or EDB, is the parent entity of EDB Investments. EDB is a Singapore government entity. EDB Investments, EDB and the Singapore government may be deemed to have shared voting and

(4) dispositive power over the shares owned beneficially and of record by Biomedical Sciences Investment Fund Pte Ltd and Singapore Bio-Innovations Pte Ltd. Jeremy Loh, the reporting person, is one of the Issuer's directors and a Vice President (Investments), San Francisco Center for EDB Investments Pte Ltd, Singapore. Dr. Loh disclaims beneficial ownership of these shares, except to the extent of his pecuniary interest in such shares.

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- (5) Represents shares of Common Stock issued upon the conversion of shares of Series C Preferred Stock and Series D Preferred Stock on a 1-for-1 basis.
- (6) Singapore Bio-Innovations Ptd Ltd is the record holder of the securities reported.
- (7) Each share of Series E Preferred Stock converted into 1.300053676865 share of Common Stock on February 15, 2011 and has no expiration date.
- (8) Each share of Series C Preferred Stock or Series D Preferred Stock converted into one share of Common Stock on February 15, 2011 and has no expiration date.

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.