

Loh Jeremy
Form 4
February 16, 2011

FORM 4

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Loh Jeremy

(Last) (First) (Middle)
250A TWIN DOLPHIN DRIVE
(Street)

REDWOOD CITY, CA 94065

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)
02/14/2011

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| Common Stock | 02/15/2011 | | C ⁽¹⁾ | 1,047,955 A | ② 1,047,955 | I | I ⁽³⁾ ⁽⁴⁾ |
| Common Stock | 02/15/2011 | | C ⁽⁵⁾ | 623,531 A | ② 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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SEC 1474 (9-02)

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

Reporting Owners

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

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 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.

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