

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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* <u>EDB Investments Pte Ltd.</u> _____ (Last) (First) (Middle) <u>20 BIOPOLIS WAY #09-01</u> _____ (Street) <u>CENTROS U0 138668</u> _____ (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <u>FLUIDIGM CORP [FLDM]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)		
			3. Date of Earliest Transaction (Month/Day/Year) <u>02/15/2011</u>			6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person		
			4. If Amendment, Date of Original Filed (Month/Day/Year)					

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	02/15/2011		C ⁽¹⁾		1,047,955	A	(2)	1,047,955	D ⁽³⁾⁽⁴⁾	
Common Stock	02/15/2011		C ⁽⁵⁾		623,531	A	(2)	1,671,486	D ⁽³⁾⁽⁴⁾	
Common Stock	02/15/2011		C ⁽⁵⁾		128,025	A	(2)	1,799,511	D ⁽⁴⁾⁽⁶⁾	

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 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	\$0	751,556	D ⁽³⁾⁽⁴⁾	
Series D Preferred Stock	(2)	02/15/2011		C		623,531		(8)	(8)	Common Stock	623,531	\$0	128,025	D ⁽³⁾⁽⁴⁾	
Series C Preferred Stock	(2)	02/15/2011		C		128,025		(8)	(8)	Common Stock	128,025	\$0	0	D ⁽⁴⁾⁽⁶⁾	

1. Name and Address of Reporting Person*
EDB Investments Pte Ltd.

 (Last) (First) (Middle)
20 BIOPOLIS WAY #09-01

 (Street)
CENTROS U0 138668

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
Biomedical Sciences Investment Fund Pte Ltd.

 (Last) (First) (Middle)
20 BIOPOLIS WAY #09-01

 (Street)
CENTROS U0 138668

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
SINGAPORE BIO INNOVATIONS PTE LTD

(Last) (First) (Middle)

250, NORTH BRIDGE ROAD #20-02

RAFFLES CITY TOWER

(Street)

SINGAPORE

U0

179101

(City)

(State)

(Zip)

Explanation of Responses:

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.
4. 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, one of the Issuer's directors is 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.
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.

Stephanie Sterling of Gibson,
Dunn & Crutcher LLP, attorney-
in-fact for EDB Investments Pte
Ltd 02/16/2011

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Dunn & Crutcher LLP, attorney-
in-fact for Biomedical Sciences
Investment Fund Pte Ltd 02/16/2011

Stephanie Sterling of Gibson,
Dunn & Crutcher LLP, attorney-
in-fact for Singapore Bio
Innovations Pte Ltd 02/16/2011

** 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.