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The reader should not assume that the information is accurate and complete.

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

Notice of Exempt Offering of Securities

OMB APPROVAL	
OMB Number:	3235-0076
Estimated average burden hours per response:	4.00

1. Issuer's Identity

CIK (Filer ID Number) 0001162194	Previous Names X None	Entity Type X Corporation Limited Partnership Limited Liability Company General Partnership Business Trust Other (Specify)
Name of Issuer FLUIDIGM CORP		
Jurisdiction of Incorporation/Organization DELAWARE		
Year of Incorporation/Organization Over Five Years Ago X Within Last Five Years (Specify Year) 2007 Yet to Be Formed		

2. Principal Place of Business and Contact Information

Name of Issuer FLUIDIGM CORP			
Street Address 1 7000 SHORELINE COURT		Street Address 2 SUITE 100	
City SOUTH SAN FRANCISCO	State/Province/Country CALIFORNIA	ZIP/PostalCode 94080	Phone Number of Issuer 650-266-6000

3. Related Persons

Last Name WORTHINGTON	First Name GAJUS	Middle Name V.
Street Address 1 7000 SHORELINE COURT	Street Address 2 SUITE 100	
City SOUTH SAN FRANCISCO	State/Province/Country CALIFORNIA	ZIP/PostalCode 94080

Relationship: X Executive Officer X Director Promoter

Clarification of Response (if Necessary):

Last Name JOG	First Name VIKRAM	Middle Name
Street Address 1 7000 SHORELINE COURT	Street Address 2 SUITE 100	
City SOUTH SAN FRANCISCO	State/Province/Country CALIFORNIA	ZIP/PostalCode 94080

Relationship: X Executive Officer Director Promoter

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
SMITH	WILLIAM	M.
Street Address 1	Street Address 2	
7000 SHORELINE COURT	SUITE 100	
City	State/Province/Country	ZIP/PostalCode
SOUTH SAN FRANCISCO	CALIFORNIA	94080
Relationship: X Executive Officer Director Promoter		

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
JONES	ROBERT	C.
Street Address 1	Street Address 2	
7000 SHORELINE COURT	SUITE 100	
City	State/Province/Country	ZIP/PostalCode
SOUTH SAN FRANCISCO	CALIFORNIA	94080
Relationship: X Executive Officer Director Promoter		

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
WALDER	FREDRIC	
Street Address 1	Street Address 2	
7000 SHORELINE COURT	SUITE 100	
City	State/Province/Country	ZIP/PostalCode
SOUTH SAN FRANCISCO	CALIFORNIA	94080
Relationship: X Executive Officer Director Promoter		

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
YOW	MAI CHAN	
Street Address 1	Street Address 2	
7000 SHORELINE COURT	SUITE 100	
City	State/Province/Country	ZIP/PostalCode
SOUTH SAN FRANCISCO	CALIFORNIA	94080
Relationship: X Executive Officer Director Promoter		

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
COLELLA	SAMUEL	D.
Street Address 1	Street Address 2	
3000 SAND HILL ROAD, BLDG. 4	SUITE 210	
City	State/Province/Country	ZIP/PostalCode
MENLO PARK	CALIFORNIA	94025
Relationship: Executive Officer X Director Promoter		

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
LOH	JEREMY	
Street Address 1	Street Address 2	
250A TWIN DOLPHIN DRIVE		
City	State/Province/Country	ZIP/PostalCode
REDWOOD CITY	CALIFORNIA	94065

Relationship: Executive Officer X Director Promoter

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
NUSSBACHER	KENNETH	J.
Street Address 1	Street Address 2	
7000 SHORELINE COURT	SUITE 100	
City	State/Province/Country	ZIP/PostalCode
SOUTH SAN FRANCISCO	CALIFORNIA	94080

Relationship: Executive Officer X Director Promoter

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
WHITAKER	RAYMOND	I.
Street Address 1	Street Address 2	
45 ROCKEFELLER CENTER	SUITE 1410	
City	State/Province/Country	ZIP/PostalCode
NEW YORK	NEW YORK	10111

Relationship: Executive Officer X Director Promoter

Clarification of Response (if Necessary):

Last Name	First Name	Middle Name
YOUNG	JOHN	A.
Street Address 1	Street Address 2	
7000 SHORELINE COURT	SUITE 100	
City	State/Province/Country	ZIP/PostalCode
SOUTH SAN FRANCISCO	CALIFORNIA	94080

Relationship: Executive Officer X Director Promoter

Clarification of Response (if Necessary):

4. Industry Group

Agriculture	Health Care	Retailing
Banking & Financial Services	X Biotechnology	Restaurants
Commercial Banking	Health Insurance	Technology
Insurance	Hospitals & Physicians	Computers
Investing	Pharmaceuticals	Telecommunications
Investment Banking	Other Health Care	Other Technology
Pooled Investment Fund	Manufacturing	Travel
Is the issuer registered as an investment company under the Investment Company Act of 1940?	Real Estate	Airlines & Airports
Yes	Commercial	Lodging & Conventions
No	Construction	Tourism & Travel Services
Other Banking & Financial Services	REITS & Finance	Other Travel
Business Services	Residential	Other
Energy	Other Real Estate	
Coal Mining		
Electric Utilities		
Energy Conservation		
Environmental Services		

Oil & Gas
Other Energy

5. Issuer Size

Revenue Range	OR	Aggregate Net Asset Value Range
No Revenues		No Aggregate Net Asset Value
\$1 - \$1,000,000		\$1 - \$5,000,000
\$1,000,001 - \$5,000,000		\$5,000,001 - \$25,000,000
\$5,000,001 - \$25,000,000		\$25,000,001 - \$50,000,000
X \$25,000,001 - \$100,000,000		\$50,000,001 - \$100,000,000
Over \$100,000,000		Over \$100,000,000
Decline to Disclose		Decline to Disclose
Not Applicable		Not Applicable

6. Federal Exemption(s) and Exclusion(s) Claimed (select all that apply)

Rule 504(b)(1) (not (i), (ii) or (iii))	Rule 505
Rule 504 (b)(1)(i)	X Rule 506
Rule 504 (b)(1)(ii)	Securities Act Section 4(5)
Rule 504 (b)(1)(iii)	Investment Company Act Section 3(c)
	Section 3(c)(1) Section 3(c)(9)
	Section 3(c)(2) Section 3(c)(10)
	Section 3(c)(3) Section 3(c)(11)
	Section 3(c)(4) Section 3(c)(12)
	Section 3(c)(5) Section 3(c)(13)
	Section 3(c)(6) Section 3(c)(14)
	Section 3(c)(7)

7. Type of Filing

X New Notice Date of First Sale 2011-01-06 First Sale Yet to Occur
Amendment

8. Duration of Offering

Does the Issuer intend this offering to last more than one year? Yes X No

9. Type(s) of Securities Offered (select all that apply)

Equity	Pooled Investment Fund Interests
X Debt	Tenant-in-Common Securities
X Option, Warrant or Other Right to Acquire Another Security	Mineral Property Securities
X Security to be Acquired Upon Exercise of Option, Warrant or Other Right to Acquire Security	Other (describe)

10. Business Combination Transaction

Is this offering being made in connection with a business combination transaction, such as a merger, acquisition or exchange offer? Yes X No

Clarification of Response (if Necessary):

11. Minimum Investment

Minimum investment accepted from any outside investor \$0 USD

12. Sales Compensation

Recipient (Associated) Broker or Dealer X None	Recipient CRD Number X None (Associated) Broker or Dealer CRD Number X None	
Street Address 1	Street Address 2	
City	State/Province/Country	ZIP/Postal Code
State(s) of Solicitation (select all that apply) Check "All States" or check individual States	All States	Foreign/non-US

13. Offering and Sales Amounts

Total Offering Amount \$5,003,214 USD or Indefinite
Total Amount Sold \$5,000,000 USD
Total Remaining to be Sold \$3,214 USD or Indefinite

Clarification of Response (if Necessary):

The issuer issued and sold subordinated convertible promissory notes in the aggregate principal amount of \$5,000,000 and related warrants to purchase up to an aggregate of 321,405 shares of the issuer's preferred stock at an exercise price of \$0.01/share.

14. Investors

Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. _____
Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:

15. Sales Commissions & Finder's Fees Expenses

Provide separately the amounts of sales commissions and finders fees expenses, if any. If the amount of an expenditure is not known, provide an estimate and check the box next to the amount.

Sales Commissions \$0 USD Estimate
Finders' Fees \$0 USD Estimate

Clarification of Response (if Necessary):

16. Use of Proceeds

Provide the amount of the gross proceeds of the offering that has been or is proposed to be used for payments to any of the persons required to be named as executive officers, directors or promoters in response to Item 3 above. If the amount is unknown, provide an estimate and check the box next to the amount.

\$0 USD Estimate

Clarification of Response (if Necessary):

Signature and Submission

Please verify the information you have entered and review the Terms of Submission below before signing and clicking SUBMIT below to file this notice.

Terms of Submission

In submitting this notice, each issuer named above is:

- Notifying the SEC and/or each State in which this notice is filed of the offering of securities described and undertaking to furnish them, upon written request, in the accordance with applicable law, the information furnished to offerees.*
- Irrevocably appointing each of the Secretary of the SEC and, the Securities Administrator or other legally designated officer of the State in which the issuer maintains its principal place of business and any State in which this notice is filed, as its agents for service of process, and agreeing that these persons may accept service on its behalf, of any notice, process or pleading, and further agreeing that such service may be made by registered or certified mail, in any Federal or state action, administrative proceeding, or arbitration brought against the issuer in any place subject to the jurisdiction of the United

States, if the action, proceeding or arbitration (a) arises out of any activity in connection with the offering of securities that is the subject of this notice, and (b) is founded, directly or indirectly, upon the provisions of: (i) the Securities Act of 1933, the Securities Exchange Act of 1934, the Trust Indenture Act of 1939, the Investment Company Act of 1940, or the Investment Advisers Act of 1940, or any rule or regulation under any of these statutes, or (ii) the laws of the State in which the issuer maintains its principal place of business or any State in which this notice is filed.

- Certifying that, if the issuer is claiming a Rule 505 exemption, the issuer is not disqualified from relying on Rule 505 for one of the reasons stated in Rule 505(b)(2)(iii).

Each Issuer identified above has read this notice, knows the contents to be true, and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.

For signature, type in the signer's name or other letters or characters adopted or authorized as the signer's signature.

Issuer	Signature	Name of Signer	Title	Date
FLUIDIGM CORP	/s/ Gajus V. Worthington	Gajus V. Worthington	President and Chief Executive Officer	2011-01-20

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.

* This undertaking does not affect any limits Section 102(a) of the National Securities Markets Improvement Act of 1996 ("NSMIA") [Pub. L. No. 104-290, 110 Stat. 3416 (Oct. 11, 1996)] imposes on the ability of States to require information. As a result, if the securities that are the subject of this Form D are "covered securities" for purposes of NSMIA, whether in all instances or due to the nature of the offering that is the subject of this Form D, States cannot routinely require offering materials under this undertaking or otherwise and can require offering materials only to the extent NSMIA permits them to do so under NSMIA's preservation of their anti-fraud authority.
