FLUIDIGM CORP Form S-8 POS March 15, 2016

As filed with the Securities and Exchange Commission on March 15, 2016 Registration No. 333-209904 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Post-Effective Amendment No. 1 to FORM S 8 REGISTRATION STATEMENT UNDER

THE SECURITIES ACT OF 1933

FLUIDIGM CORPORATION

(Exact name of Registrant as specified in its charter)

Delaware 77-0513190

(State or other jurisdiction

of (I.R.S. Employer incorporation or Identification No.)

incorporation or organization)

7000 Shoreline Court, Suite 100 South San Francisco, California 94080

(Address of principal executive offices, including zip code)

2011 Equity Incentive Plan (Full title of the plan)

Gajus V. Worthington President and Chief Executive Officer 7000 Shoreline Court, Suite 100 South San Francisco, California 94080 (650) 266-6000

(Name, address and telephone number, including area code, of agent for service)

Copies to:

Robert F. Kornegay Wilson Sonsini Goodrich & Rosati, Professional Corporation 650 Page Mill Road Palo Alto, California 94304 (650) 493-9300

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting

company" in Rule 12b-2 of the Exchange Act (Check one). Large accelerated filer x Non-accelerated filer " (Do not check if a smaller reporting company)

Accelerated filer "Smaller reporting company "

EXPLANATORY NOTE

This Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 of Fluidigm Corporation (the "Registrant"), filed with the Securities and Exchange Commission on March 3, 2016 (File No. 333-209904), is being filed solely for the purpose of submitting the exhibits included therein as separate exhibits.

PART II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT Item 8. Exhibits.

Exhibit Number	Description
4.1	Specimen Common Stock Certificate of the Registrant, which is incorporated herein by reference to
	Exhibit 4.1 to the Registrant's Registration Statement on Form S-1/A (Registration No. 333-170965),
	filed with the Commission on February 7, 2011.
4.2	2011 Equity Incentive Plan and related form agreements, which is incorporated herein by reference to
	Exhibit 10.4 and 10.4A to the Registrant's Registration Statement on Form S-1/A (Registration No.
	333-170965), filed with the Commission on January 28, 2011.
5.1	Opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation.
23.1	Consent of PricewaterhouseCoopers LLP, Independent Registered Public Accounting Firm.
23.2	Consent of Ernst & Young LLP, Independent Registered Public Accounting Firm.
23.3	Consent of Wilson Sonsini Goodrich & Rosati, Professional Corporation (contained in Exhibit 5.1
	hereto).
24.1	Power of Attorney (previously filed).

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 (File No. 333-209904) to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of South San Francisco, State of California, on March 15, 2016.

Fluidigm Corporation

By: /s/ Vikram Jog

Vikram Jog

Chief Financial Officer

Pursuant to the requirements of the Securities Act of 1933, this post-effective amendment to the Registration Statement on Form S-8 has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
(*)	President, Chief Executive Officer, and Director	March 15, 2016
Gajus V. Worthington	(Principal Executive Officer)	Manala 15, 2016
/s/ Vikram Jog Vikram Jog	Chief Financial Officer (Principal Financial and Accounting Officer)	March 15, 2016
(*)	Chairman of the Board of Directors	March 15, 2016
Samuel D. Colella	5.	
(*)	Director	March 15, 2016
Gerhard F. Burbach	Dimenton	March 15 2016
(*) Evan Jones	Director	March 15, 2016
(*)	Director	March 15, 2016
Patrick S. Jones		
(*)	Director	March 15, 2016
John A. Young		>
(*) By: /s/ Vikram Jog		March 15, 2016
Vikram Jog		
Attorney-In-Fact		

EXHIBIT INDEX

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