UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

Liquidia Technologies, Inc.

(Exact name of registrant as specified in its charter)

Delaware 20-1926605

(State or other jurisdiction of incorporation or organization)

419 Davis Drive, Suite 100

Morrisville, North Carolina

(Address of Principal Executive Offices)

(Zip Code)

LIQUIDIA TECHNOLOGIES, INC. 2018 LONG-TERM INCENTIVE PLAN

(Full title of the plan)

Neal F. Fowler Chief Executive Officer Liquidia Technologies, Inc. 419 Davis Drive, Suite 100 Morrisville, North Carolina (919) 328-4400

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

Andrew P. Gilbert
DLA Piper LLP (US)
51 John F. Kennedy Parkway, Suite 120
Short Hills, New Jersey
(973) 520-2550

(I.R.S. Employer Identification No.)

(Copy to)

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer o

Accelerated filer o

Non-accelerated filer x

Smaller reporting company x

Emerging growth company x

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. x

CALCULATION OF REGISTRATION FEE

| | | Proposed | Proposed | | |
|-------------------------------------------|---------------|----------------|---------------------|----|------------------|
| | | maximum | maximum | | |
| Title of securities | Amount to be | offering price | aggregate offering | | Amount of |
| to be registered | registered(1) | per share(2) | price | r | registration fee |
| Common Stock, \$0.001 par value per share | 620,778 | \$ 18.12 | \$ 11,248,497.36 | \$ | 1,364 |

- 620,778 shares of common stock, \$0.001 par value per share ("Common Stock"), of Liquidia Technologies, Inc. (the "Registrant") were automatically added to the shares authorized for issuance under the Liquidia Technologies, Inc. 2018 Long-Term Incentive Compensation Plan (the "2018 Plan"), on January 1, 2019 pursuant to an "evergreen" provision contained in the 2018 Plan. Pursuant to such provision, on January 1 of each year through 2028, the number of shares authorized for issuance under the 2018 Plan is automatically increased by a number equal to four percent of the outstanding shares of Common Stock as of the end of Registrant's immediately preceding fiscal year, or any lesser number of shares of Common Stock determined by the Board of Directors or Compensation Committee of the Registrant. In addition, pursuant to Rule 416(c) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement on Form S-8 (this "Registration Statement") also covers an indeterminate number of shares of Common Stock which may be offered or issued by reason of stock splits, stock dividends or similar transactions effected without the receipt of consideration which results in an increase in the number of outstanding shares of Common Stock of the Registrant.
- (2) Estimated solely for purposes of calculating the registration fee pursuant to Rule 457(c) and (h). The proposed maximum offering price per share, proposed maximum aggregate offering price and the amount of the registration fee are based on the average of the high and low prices of Registrant's



EXPLANATORY NOTE

This Registration Statement on Form S-8 (this "Registration Statement") is being filed for the purpose of registering an additional 620,778 shares of common stock, \$0.001 par value per share (the "Common Stock"), of Liquidia Technologies, Inc. (the "Registrant") that were added to the shares authorized for issuance under the Liquidia Technologies, Inc. 2018 Long-Term Incentive Compensation Plan (the "2018 Plan") for which a Registration Statement on Form S-8 relating to the same employee benefit plan is effective.

On July 26, 2018, the Registrant filed the Registration Statement on Form S-8 (File No. 333-226344) with the Securities and Exchange Commission (the "Commission") to register, among other shares, 1,600,000 shares of Common Stock that were authorized for issuance under the 2018 Plan (the "Prior Registration Statement"). Upon the effectiveness of this Registration Statement, an aggregate of 2,220,778 shares of Common Stock will be registered for issuance from time to time under the 2018 Plan. Pursuant to General Instruction E to Form S-8, the contents of the Prior Registration Statement are incorporated herein by reference except to the extent supplemented, amended or superseded by the information set forth herein. Only those items of Form S-8 containing new information not contained in the Prior Registration Statement are presented herein.

INCORPORATION BY REFERENCE

In accordance with General Instruction E to Form S-8, the contents of the Prior Registration Statement, with respect to securities offered pursuant to the 2018 Plan, are hereby incorporated by reference.

The following documents previously filed by the Registrant with the Commission are incorporated herein by reference and shall be deemed to be a part hereof:

- (1) The Registrant's Annual Report on Form 10-K for the year ended December 31, 2018, filed with the Commission on February 26, 2019;
- (2) The Registrant's Current Reports on Form 8-K filed with the Commission on January 7, 2019, February 7, 2019 and March 4, 2019 (provided that any portions of such reports that are deemed furnished and not filed pursuant to instructions to Form 8-K shall not be incorporated by reference into this Registration Statement); and
- The description of the Registrant's Common Stock contained in the Registrant's Registration Statement on Form 8-A (File No. 001-38601), filed by the Registrant with the Commission under Section 12(b) of the Securities Exchange Act of 1934, as amended, on July 23, 2018, including any amendments or reports filed for the purpose of updating such description.

In addition, all documents that the Registrant files pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act subsequent to the effective date of this Registration Statement (except for any portions of the Registrant's Current Reports on Form 8-K furnished pursuant to Item 2.02 or Item 7.01 thereof and any corresponding exhibits thereto not filed with the Commission), but prior to the filing of a post-effective amendment to this Registration Statement indicating that all securities offered hereby have been sold or which deregisters all securities then remaining unsold shall be deemed to be incorporated by reference in this Registration Statement and to be a part hereof from the date of filing such documents.

For purposes of this Registration Statement, any document or statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such document or statement in such document. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

EXHIBIT INDEX

EXHIBIT

| NUMBER | DESCRIPTION |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.1 | Opinion of DLA Piper LLP (US). |
| 23.1 | Consent of PricewaterhouseCoopers LLP, independent Registered Public Accounting Firm. |
| 23.2 | Consent of DLA Piper LLP (US) (contained in Exhibit 5.1). |
| 24.1 | Power of Attorney (included on signature page). |
| 99.1 | Liquidia Technologies, Inc. 2018 Long-Term Incentive Plan, and forms of award agreements thereunder (incorporated herein by reference to Exhibit 99.3 to the Registrant's Registration Statement on Form S-8 filed on July 26, 2018). |
| | 3 |

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Morrisville, State of North Carolina, on March 5, 2019.

LIQUIDIA TECHNOLOGIES, INC.

By: /s/ Neal Fowler

Name: Neal Fowler

Title: Chief Executive Officer

4

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Neal Fowler and Timothy Albury his true and lawful attorney-in-fact, with full power of substitution and resubstitution for him and in his name, place and stead, in any and all capacities to sign any and all amendments including post-effective amendments to this Registration Statement on Form S-8 (including, without limitation, any additional registration statement filed pursuant to Rule 462 under the Securities Act of 1933), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that said attorney-in-fact or his substitute, each acting alone, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the date indicated.

| Name | Position | Date |
|------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------|
| /s/ Neal Fowler Neal Fowler | Executive Director and Chief Executive Officer (Principal Executive Officer) | March 5, 2019 |
| /s/ Timothy Albury Timothy Albury | Interim Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer) | March 5, 2019 |
| /s/ Dr. Stephen Bloch Dr. Stephen Bloch | Chairman of the Board of Directors | March 5, 2019 |
| /s/ Dr. Seth Rudnick Dr. Seth Rudnick | Director | March 5, 2019 |
| /s/ Edward Mathers Edward Mathers | Director | March 5, 2019 |
| /s/ Dr. Ralph Snyderman Dr. Ralph Snyderman | Director | March 5, 2019 |
| /s/ Arthur Kirsch Arthur Kirsch | Director | March 5, 2019 |
| /s/ Raman Singh Raman Singh | Director | March 5, 2019 |
| | 5 | |

DLA Piper LLP (US) 51 John F. Kennedy Parkway, Suite 120 Short Hills, New Jersey 07078 www.dlapiper.com

T: 973-520-2550 F: 973-520-2551

Attorneys Responsible for Short Hills Office:

Andrew P. Gilbert Michael E. Helmer

March 5, 2019

Liquidia Technologies, Inc. 419 Davis Drive, Suite 100 Morrisville, North Carolina 27560

Re: Securities Being Registered under Registration Statement on Form S-8

Ladies and Gentlemen:

We have acted as counsel to Liquidia Technologies, Inc., a Delaware corporation (the "*Company*"), in connection with the preparation of a Registration Statement on Form S-8 (the "*Registration Statement*") pursuant to the Securities Act of 1933, as amended (the "*Securities Act*"). The Registration Statement relates to the registration of 620,778 shares (the "*Shares*") of common stock, \$0.001 par value per share, of the Company, that may be issued pursuant to the Company's 2018 Long-Term Incentive Plan (the "*2018 Plan*"), as referenced in the Registration Statement.

In connection with this opinion letter, we have examined the Registration Statement and originals, or copies certified or otherwise identified to our satisfaction, of the Amended and Restated Certificate of Incorporation and the Amended and Restated Bylaws of the Company and such other documents, records and other instruments as we have deemed appropriate for purposes of the opinion set forth herein.

We have assumed the genuineness of all signatures, the legal capacity of all natural persons, the authenticity of the documents submitted to us as originals, the conformity with the originals of all documents submitted to us as certified, facsimile or photostatic copies and the authenticity of the originals of all documents submitted to us as copies.

Based upon the foregoing, we are of the opinion that the Shares have been duly authorized and, when and to the extent issued in accordance with the terms of the 2018 Plan and any award agreement entered into under the 2018 Plan, the Shares will be validly issued, fully paid and nonassessable.

The opinion expressed herein is limited to the Delaware General Corporation Law.

We hereby consent to the use of this opinion as Exhibit 5.1 to the Registration Statement. In giving such consent, we do not hereby admit that we are acting within the category of persons whose consent is required under Section 7 of the Securities Act or the rules or regulations of the U.S. Securities and Exchange Commission thereunder.

Very truly yours,

/s/ DLA Piper LLP (US)

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of Liquidia Technologies, Inc. of our report dated February 26, 2019 relating to the financial statements, which appears in Liquidia Technologies, Inc.'s Annual Report on Form 10-K for the year ended December 31, 2018.

/s/ PricewaterhouseCoopers LLP

Raleigh, North Carolina March 5, 2019