Registration No. 333-

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-8 REGISTRATION STATEMENT

Under The Securities Act of 1933

Eyegate Pharmaceuticals, Inc.

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 98-0443284 (I.R.S. Employer Identification Number)

Waltham, MA 02452 271 Waverley Oaks Road Suite 108 Waltham, MA 02452 (Address of principal executive offices, including zip code)

Eyegate Pharmaceuticals, Inc. 2014 Equity Incentive Plan Eyegate Pharmaceuticals, Inc. Employee Stock Purchase Plan Eyegate Pharmaceuticals, Inc. 2005 Equity Incentive Plan (Full title of the plan)

Stephen From President and Chief Executive Officer Eyegate Pharmaceuticals, Inc. 271 Waverley Oaks Road Suite 108 Waltham, MA 02452 Telephone: (781) 788-9043 (Name, address and telephone number, including area code, of agent for service)

Copy to:

J. Fraser Collin Burns & Levinson LLP 125 Summer Street Boston, MA 02110 Telephone: (617) 345-3000

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.

Large accelerated filerAccelerated filerNon-accelerated filer(do not check if a smaller reporting company)Smaller reporting companyx

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price per Share	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock, par value \$0.01 per share				
— Issuable under the 2005 Equity Incentive Plan (Options)	814,970(2)	\$ 0.92(3)	\$ 749,772.40	\$ 87.13
— Reserved for future issuance under the 2014 Equity Incentive Plan	728,597(4)	\$ 5.88(5)	\$ 4,284,150.36	\$ 497.82
- Reserved for future issuance under the Employee Stock Purchase	70,567(6)	\$ 5.88(5)	\$ 414,933.96	\$ 48.21

Plan						
Tota		1,614,134	N/A \$	5,448,856.72	\$	633.16(7)
(1)	1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional				any additional	
	shares of Registrant's common stock ("Common Stock") that becom	ne issuable under the Re	egistrant's 2005 Equity	y Incentive Plan ((the "2	005 Plan"), the
	Registrant's 2014 Equity Incentive Plan (the "2014 Plan") or the Re	gistrant's Employee Sto	ock Purchase Plan (the	e "ESPP") by reas	son of a	any stock
	dividend, stock split, recapitalization or other similar transaction eff	ected without receipt of	f consideration that inc	creases the numb	er of o	utstanding
	shares of the Common Stock.					

- (2) Represents shares of Common Stock issuable under the 2005 Plan.
- (3) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) of the Securities Act on the basis of the weighted average exercise price of the options issued under the 2005 Plan of \$0.92 per share.
- (4) Represents shares of Common Stock initially reserved for future issuance under the 2014 Plan.
- (5) \$5.88, the average of the high and low prices of the Common Stock as reported on the OTCQB Venture Marketplace on February 19, 2015 (rounded to the nearest hundredth of a dollar).
- (6) Represents shares of Common Stock initially reserved for future issuance under the ESPP.
- (7) Pursuant to Rule 457(p) under the Securities Act, the Registrant hereby offsets the total Amount of Registration Fee due under this Registration Statement by the amount of the filing fees associated with the unsold securities from the Registrant's Registration Statement on Form S-1, filed with the Commission on July 30, 2014 (File No. 333-197725) (the "Initial S-1"). In the Initial S-1, the Registrant had registered securities for a Maximum Aggregate Offering Price of \$30,312,500, but the Registrant had a final Maximum Aggregate Offering Price of \$6,283,067, leaving a balance of unsold securities with an aggregate offering price of \$24,029,433, which has an associated filing fee of \$2,792 for such unsold securities, calculated under Rule 457(o). \$633.16 of such balance is hereby used to offset the current Amount of Registration Fee due.

PART II

INFORMATION REQUIRED IN REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

Eyegate Pharmaceuticals, Inc. (the "Registrant") hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission:

(1) The Registrant's Prospectus filed with the Commission on February 13, 2015, pursuant to Rule 424(b) under the Securities Act of 1933, as amended (the "Securities Act"), relating to the Registration Statement on Form S-1, as amended (File No. 333-197725), which contains the Registrant's audited financial statements for the latest fiscal year for which such statements have been filed; and

(2) The description of the Registrant's Common Stock contained in the Company's Registration Statement on Form 8-A (File No. 001-36672) filed with the Commission on February 5, 2015, pursuant to Section 12(g) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including any amendment or report filed for the purpose of updating such description.

All documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act on or after the date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement that indicates that all securities offered have been sold or that deregisters all securities then remaining unsold shall be deemed to be incorporated by reference in this Registration Statement and to be part hereof from the date of filing of such documents.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

Burns & Levinson LLP has opined as to the legality of the securities being offered by this registration statement.

Indemnification of Directors and Officers.

Item 6.

The Registrant's amended and restated certificate of incorporation contains provisions that eliminate, to the maximum extent permitted by the General Corporation Law of the State of Delaware, the personal liability of the Registrant's directors for monetary damages for breach of their fiduciary duties as directors. The Registrant's amended and restated bylaws provide that the Registrant must indemnify its directors and officers and may indemnify its employees and other agents to the fullest extent permitted by the General Corporation Law of the State of Delaware.

Sections 145 and 102(b)(7) of the General Corporation Law of the State of Delaware provide that a corporation may indemnify any person made a party to an action by reason of the fact that he or she was a director, officer, employee or agent of the corporation or is or was serving at the request of a corporation against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by him or her in connection with such action if he or she acted in good faith and in a manner he or she reasonably believed to be in, or not opposed to, the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful, except that, in the case of an action by or in right of the corporation, no indemnification may generally be made in respect of any claim as to which such person is adjudged to be liable to the corporation.

The Registrant has entered into indemnification agreements with its directors and executive officers, in addition to the indemnification provided for in its amended and restated bylaws, and intends to enter into indemnification agreements with any new directors and executive officers in the future. The Registrant has purchased and intends to maintain insurance on behalf of any person who is or was a director or officer of the Registrant against any loss arising from any claim asserted against him or her and incurred by him or her in any such capacity, subject to certain exclusions.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

Exhibit Number	Description
4.1 ⁽¹⁾	Specimen common stock certificate of Registrant
4.2 ⁽²⁾	2005 Equity Incentive Plan
4.3 ⁽³⁾	2014 Equity Incentive Plan
4.4 ⁽⁴⁾	2014 Employee Stock Purchase Plan
5.1	Opinion of Burns & Levinson LLP
23.1	Consent of Independent Registered Accounting Firm
23.2	Consent of Burns & Levinson LLP (contained in Exhibit 5.1 hereto)
24.1	Power of Attorney (contained on signature page hereto)

(1) Incorporated by reference to Exhibit 4.1 filed with the Registrant's Amendment No. 2 to Form S-1 Registration Statement (Registration No. 333-197725) filed with the SEC on August 29, 2014.

(2) Incorporated by reference to Exhibit 10.1 filed with the Registrant's Registration Statement on Form S-1 (Registration No. 333-197725) filed with the SEC on July 30, 2013.

(3) Incorporated by reference to Exhibit 10.2 filed with the Registrant's Amendment No. 7 to Form S-1 Registration Statement (Registration No. 333-197725) filed with the SEC on December 2, 2014.

(4) Incorporated by reference to Exhibit 10.3 filed with the Registrant's Amendment No. 3 to Form S-1 Registration Statement (Registration No. 333-197725) filed with the SEC on September 12, 2014.

Item 9. Undertakings.

A. The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent posteffective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

Provided, however, that paragraphs (A)(1)(i) and (A)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in this registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

B. The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

C. Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.

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 Waltham, Commonwealth of Massachusetts, on February 20, 2015.

EYEGATE PHARMACEUTICALS, INC.

By: /s/ Steven From

Stephen From Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Stephen From, as his true and lawful attorney in fact and agent with full power of substitution, for him in any and all capacities, to sign any and all amendments to this Registration Statement on Form S-8 (including post effective amendments), and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney in fact, proxy and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully for all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorney in fact, proxy and agent, or his substitute, may lawfully do or cause to be done by virtue hereof. 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 dates indicated:

Signature	Title	Date	
/s/ Stephen From Stephen From	President, Chief Executive Officer and Director (principal executive officer and principal financial and accounting officer)	February 20, 2015	
/s/ Paul Chaney Paul Chaney	Director	February 20, 2015	
/s/ Morton Goldberg Morton Goldberg	Director	February 20, 2015	
/s/ Praveen Tyle Praveen Tyle	Director	February 20, 2015	
/s/ Thomas Balland Thomas Balland	Director	February 20, 2015	
/s/ Thomas E. Hancock Thomas E. Hancock	Director	February 20, 2015	
/s/ Bernard Malfroy-Camine Bernard Malfroy-Camine	Director	February 20, 2015	
/s/ Mounia Chaoui Mounia Chaoui	Director	February 20, 2015	

INDEX TO EXHIBITS

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BURNS & LEVINSON LLP

125 SUMMER STREET BOSTON, MA 02110 T 617.345.3000 F 617.345.3299 WWW.BURNSLEV.COM

February 20, 2015

Eyegate Pharmaceuticals, Inc. 271 Waverley Oaks Road Suite 108 Waltham, MA 02452

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

You have requested our opinion with respect to certain matters in connection with the filing by Eyegate Pharmaceuticals, Inc., a Delaware corporation (the "**Company**"), of a Registration Statement on Form S-8 (the "**Registration Statement**") with the Securities and Exchange Commission covering the offering of up to an aggregate of 1,614,134 shares of the Company's Common Stock, par value \$0.01 per share ("**Common Stock**"), including (a) 814,970 shares of Common Stock (the "**2005 Shares**") pursuant to the Company's 2005 Equity Incentive Plan ("**2005 Plan**"), (b) 728,597 shares of Common Stock (the "**2014 Shares**") pursuant to the Company's 2014 Equity Incentive Plan (the "**2014 Plan**"), and (c) 70,567 shares of Common Stock (the "**2014 ESPP Shares**") pursuant to the Company's 2014 Equity Espert Plan (the "**2014 ESPP**", and together with the 2002 Plan, the 2014 Plan, the "**Plans**").

In connection with this opinion, we have examined and relied upon our review of (a) the Registration Statement and related prospectuses, (b) the Plans, (c) the Company's Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws, each as currently in effect, and (d) such other documents, records, certificates, memoranda and other instruments as in our judgment are necessary or appropriate to enable us to render the opinion expressed below. We have assumed the genuineness and authenticity of all documents submitted to us as originals, the conformity to originals of all documents submitted to us as copies thereof, and the due execution and delivery of all documents where due execution and delivery are a prerequisite to the effectiveness thereof.

Our opinion is expressed only with respect to the General Corporation Law of the State of Delaware.

On the basis of the foregoing, and in reliance thereon, we are of the opinion that the 2002 Shares, the 2014 Shares and the 2014 ESPP Shares, when sold and issued in accordance with the 2002 Plan, the 2014 Plan and the 2014 ESPP, respectively, and the Registration Statement and related prospectuses, will be validly issued, fully paid, and nonassessable.

We consent to the filing of this opinion as an exhibit to the Registration Statement.

Very truly yours,

/s/ Burns & Levinson LLP Burns & Levinson LLP

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in the Registration Statement of Eyegate Pharmaceuticals, Inc. on Form S-8 to be filed on February 20, 2015 of our report dated May 13, 2014, except for Note 2 and Note 15, Reverse Stock Split, as to which date is September 25, 2014, on our audits of the consolidated financial statements as of December 31, 2013 and 2012 and for each of the years in the two-year period ended December 31, 2013 and for the period from inception (December 26, 2004) through December 31, 2013. Our report includes an explanatory paragraph about the existence of substantial doubt concerning the Company's ability to continue as a going concern.

/s/ EISNERAMPER LLP

New York, New York February 20, 2015