UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-8 REGISTRATION STATEMENT

UNDER
THE SECURITIES ACT OF 1933

SCYNEXIS, Inc.

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction of Incorporation or organization)

1

Common Stock, par value \$0.001 per share

56-2181648 (I.R.S. Employer Identification No.)

3501 C Tricenter Boulevard Durham, North Carolina 27713 (919) 544-8600 (Address of principal executive offices) (Zip code)

SCYNEXIS, Inc. 2015 Inducement Award Plan (Full title of the plan)

Marco Taglietti, MD Chief Executive Officer SCYNEXIS, Inc. 3501 C Tricenter Boulevard Durham, North Carolina 27713 (919) 544-8600

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

Copies to:

Matthew B. Hemington Cooley LLP 3175 Hanover Street Palo Alto, California 94304 (650) 843-5000

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.

Exchange Act.					
Large accelerated filer			Accelerated filer		
Non-accelerated filer (Do not check if a smaller reporting company)			Smaller reporting company		X
CALCU	LATION OF REGISTRA	– ΓΙΟΝ FEE			
Title of Securities to be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price per Share (2)	Proposed Maximum Aggregate Offering Price (2)	Amount of Registration Fo	ee

450 000 sharps \$2.64 \$3.888 000 00 \$451

Pursuant to Rule 416(a) promulgated under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional shares of Registrant's common stock that become issuable under the Registrant's 2015 Inducement Award Plan set forth herein by reason of any stock dividend, stock split, recapitalization, or other similar transaction effected that results in an increase to the number of outstanding shares of Registrant's common stock, as applicable.

(2) Estimated in accordance with Rule 457(c) and Rule 457(h) solely for the purpose of calculating the registration fee on the basis of \$8.64, the average of the high and low prices of the Registrant's common stock as reported on the Nasdaq Global Market on June 2, 2015, with respect to the shares to be registered pursuant to the Registrant's 2015 Inducement Award Plan.

PART II

ITEM 3. INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The following documents filed by SCYNEXIS, Inc. (the "Registrant") with the Securities and Exchange Commission (the "SEC") are incorporated by reference into this Registration Statement:

- (a) The Registrant's Annual Report on Form 10-K filed with the SEC on March 30, 2015, under the Securities Exchange Act of 1934, as amended (the "Exchange Act") (File No. 001-36365).
 - (b) The Registrant's Quarterly Report on Form 10-Q filed with the SEC on May 15, 2015, under the Exchange Act.
- (c) The Registrant's Current Report on Form 8-K filed with the SEC on January 7, 2015, January 9, 2015, February 11, 2015, March 3, 2015, April 9, 2015, under the Exchange Act (File No. 001-36365).
- (d) The description of the Registrant's common stock which is contained in the registration statement on Form 8-A filed on March 19, 2014, (File No. 001-36365) under the Exchange Act, including any amendment or report filed for the purpose of updating such description.
- (e) All other reports and documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act (other than Current Reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits furnished on such form that relate to such items) on or after the date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference herein and to be a part of this Registration Statement from the date of the filing of such reports and documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document that also is deemed to be incorporated by reference herein modifies or supersedes such statement. 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.

ITEM 4. DESCRIPTION OF SECURITIES

Not applicable.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL

Not applicable.

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS

Section 145 of the Delaware General Corporation Law authorizes a court to award, or a corporation's board of directors to grant, indemnity to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities, including reimbursement for expenses incurred, arising under the Securities Act.

The Registrant's amended and restated certificate of incorporation and amended and restated bylaws provide that the Registrant will indemnify its directors and officers, and may indemnify its employees and other agents, to the fullest extent permitted by the Delaware General Corporation Law. However, Delaware law prohibits the Registrant's certificate of incorporation from limiting the liability of the Registrant's directors for the following:

- any breach of the director's duty of loyalty to us or to our stockholders;
- acts or omissions not in good faith or that involve intentional misconduct or a knowing violation of law;
- · unlawful payment of dividends or unlawful stock repurchases or redemptions; and
- · any transaction from which the director derived an improper personal benefit.

The Registrant has entered and expects to continue to enter into indemnification agreements with each of its directors and executive officers. With certain exceptions, these agreements provide for the indemnification of such persons for all reasonable expenses and liabilities incurred in connection with any action or proceeding brought against them by reason of the fact that they are or were serving in such capacity.

The Registrant maintains insurance policies that indemnify its directors and officers against various liabilities arising under the Securities Act and the Exchange Act that might be incurred by any director or officer in his capacity as such. The Registrant has obtained director and officer liability insurance to cover liabilities directors and officers may incur in connection with their services to the Registrant.

ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED.

Not applicable.

ITEM 8. EXHIBITS

Exhibit Number	Description
4.1 (1)	Amended and Restated Certificate of Incorporation of SCYNEXIS, Inc., as currently in effect.
4.2 (2)	Amended and Restated Bylaws of SCYNEXIS, Inc., as currently in effect.
5.1	Opinion of Cooley LLP.
23.1	Consent of Cooley LLP (included in Exhibit 5.1).
23.2	Consent of Independent Registered Public Accounting Firm.
24.1	Power of Attorney (included on the signature page of this Form S-8).
99.1 (3)	SCYNEXIS, Inc. 2015 Inducement Plan and Form of Stock Option Grant Notice and Stock Option Agreement.

- (1) Filed as Exhibit 3.1 to Registrant's Current Report on Form 8-K (File No. 001-36365), filed with the Securities and Exchange Commission on May 12, 2014, and incorporated herein by reference.
- (2) Filed as Exhibit 3.4 to Registrant's Registration Statement on Form S-1 (File No. 333-194192), filed with the Securities and Exchange Commission on February 27, 2014, and incorporated herein by reference.
- (3) Filed as Exhibit 10.34 to Registrant's Registration Statement on Form S-1 (File No. 333-203314), filed with the Securities and Exchange Commission on April 9, 2015, and incorporated herein by reference.

ITEM 9. UNDERTAKINGS

- 1. The undersigned registrant hereby undertakes:
 - (a) 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;
- (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective 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% 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)(i) and (a)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the registration statement.

- **(b)** That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered herein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (c) 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.
- (d) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- 2. The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the Registration Statement shall be deemed to be a new registration statement relating to the securities offered herein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- 3. Insofar as indemnification for liabilities arising under the Securities Act 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 Securities 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 and will be governed by the final adjudication of such issue.

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 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 Durham, State of North Carolina, on this 5th day of June, 2015.

SCYNEXIS, INC.

By: /s/ Marco Taglietti

Marco Taglietti, M.D.

Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoint Marco Taglietti and Charles F. Osborne, and each of them, as his true and lawful attorneys-in-fact and agents, each with the full power of substitution, for him or her and in his name, place or stead, in any and all capacities, to sign any and all amendments to this Registration Statement (including post-effective amendments), and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or their, his or her substitute or substitutes, 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	<u>Title</u>	Date
/s/ Marco Taglietti Marco Taglietti	Chief Executive Officer (Principal Executive Officer)	June 4, 2015
/s/ Charles F. Osborne Charles F. Osborne	Chief Financial Officer (Principal Financial and Accounting Officer)	June 4, 2015
/s/ Yves J. Ribeill, Ph.D. Yves J. Ribeill, Ph.D.	President and Director	June 4, 2015
/s/ Guy Macdonald Guy Macdonald	Director	June 4, 2015
/s/ Steven C. Gilman, Ph.D. Steven C. Gilman, Ph.D.	Director	June 4, 2015
/s/ Ann F. Hanham, Ph.D. Ann F. Hanham, Ph.D.	Director	June 4, 2015
/s/ Patrick J. Langlois, Ph.D. Patrick J. Langlois, Ph.D.	Director	June 4, 2015
/s/ Edward E. Penhoet, Ph.D. Edward E. Penhoet, Ph.D.	Director	June 4, 2015

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Matthew B. Hemington T: +1 650 843 5062 hemingtonmb@cooley.com

June 5, 2015

SCYNEXIS, Inc. 3501 C Tricenter Boulevard Durham, North Carolina 27713

Ladies and Gentlemen:

We have acted as counsel to SCYNEXIS, Inc., a Delaware corporation (the "Company"), and you have requested our opinion in connection with the filing of a registration statement on Form S-8 (the "Registration Statement") with the Securities and Exchange Commission covering the offering of up to 450,000 of the Company's Common Stock, par value \$0.001 per share (the "Shares") issuable pursuant to the Company's 2015 Inducement Award Plan (the "Plan").

In connection with this opinion, we have examined and relied upon (a) the Registration Statement and related prospectuses, (b) the Plan, (c) the Company's Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws, as currently in effect as of the date hereof 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.

As to certain factual matters, we have relied upon a certificate of officers of the Company and have not sought to independently verify such matters. 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 Shares, when sold and issued in accordance with the Plan, respectively, and the Registration Statement and related prospectuses, will be validly issued, fully paid, and nonassessable (except as to shares issued pursuant to certain deferred payment arrangements, which will be fully paid and nonassessable when such deferred payments are made in full).

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

Sincerely,

Cooley LLP

By: /s/ Matthew B. Hemington

Matthew B. Hemington

FIVE PALO ALTO SQUARE, 3000 EL CAMINO REAL, PALO ALTO, CA 94306-2155 T: (650) 843-5000 F: (650) 849-7400 WWW.COOLEY.COM

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Registration Statement on Form S-8 of SCYNEXIS, Inc. of our report dated March 30, 2015 relating to the financial statements of SCYNEXIS, Inc. appearing in the Annual Report on Form 10-K of SCYNEXIS Inc. for the year ended December 31, 2014.

/s/ Deloitte & Touche LLP

Raleigh, North Carolina June 5, 2015