

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

**FORM S-8  
REGISTRATION STATEMENT**  
*Under  
The Securities Act of 1933*

**Minerva Neurosciences, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**26-0784194**  
(IRS Employer  
Identification No.)

**1601 Trapelo Road  
Suite 286  
Waltham, MA 02451**  
(Address of principal registered offices) (Zip Code)

**Minerva Neurosciences, Inc. Amended and Restated 2013 Equity Incentive Plan**  
(Full title of the Plan)

**Remy Luthringer, Ph.D.**  
**Chief Executive Officer**  
**1601 Trapelo Road  
Suite 286  
Waltham, MA 02451**  
(Name and address of agent for service)

**(617) 600-7373**  
(Telephone number, including area code, of agent for service)

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.

Large accelerated filer	<input type="checkbox"/>			Accelerated filer	<input checked="" type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	(Do not check if a smaller reporting company)		Smaller reporting company	<input type="checkbox"/>
				Emerging growth company	<input checked="" type="checkbox"/>

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.

**CALCULATION OF REGISTRATION 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 Fee
Common Stock, par value \$0.0001 per share, to be issued pursuant to the Minerva Neurosciences, Inc. Amended and Restated 2013 Equity Incentive Plan	2,500,000 shares (3)	\$8.55	\$21,375,000.00	\$2,661.19

- (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 shares of the Registrant's Common Stock, par value \$0.0001 per share, which become issuable under the Minerva Neurosciences, Inc. Amended and Restated 2013 Equity Incentive Plan (the "Plan") by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without the receipt of consideration which results in an increase in the number of the outstanding shares of the Registrant's Common Stock.

- (2) Estimated in accordance with Rule 457(h)(1) and Rule 457(c) of the Securities Act solely for the purpose of calculating the registration fee. The price per share and aggregate offering price are based upon the average of the high and low prices of the Registrant's Common Stock on June 13, 2018, as reported on The Nasdaq Global Market.
  - (3) Represents shares of the Registrant's Common Stock added to the shares authorized for issuance under the Plan pursuant to an amendment to the Plan approved by the Registrant's stockholders at the Registrant's 2018 Annual Meeting of Stockholders.
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**INCORPORATION BY REFERENCE OF CONTENTS OF  
REGISTRATION STATEMENTS ON FORM S-8**

This Registration Statement is being filed for the purpose of increasing the number of securities of the same class as other securities for which a Registration Statement of the Registrant on Form S-8 relating to the same benefit plan is effective.

The Registrant previously registered shares of its Common Stock for issuance under the Plan under Registration Statements on Form S-8 filed with the Securities and Exchange Commission on September 15, 2014 (File No. 333-198753), April 30, 2015 (File No. 333-203738), March 14, 2016 (File No. 333-210147), March 13, 2017 (File No. 333-216637) and March 12, 2018 (File No. 333-223593). Pursuant to General Instruction E to Form S-8, this Registration Statement hereby incorporates by reference the contents of the Registration Statements referenced above.

**Part II**

**INFORMATION REQUIRED IN THE REGISTRATION STATEMENT**

**Item 8. Exhibits.**

<u>Exhibit Number</u>	<u>Exhibit</u>
4.1	<a href="#"><u>Amended and Restated Certificate of Incorporation of Registrant (incorporated by reference to Exhibit 3.1 to the Registrant's Amendment No. 1 to Registration Statement on Form S-1 (File No. 333-195169), filed on June 10, 2014).</u></a>
4.2	<a href="#"><u>Amended and Restated Bylaws of Registrant (incorporated by reference to Exhibit 3.2 to the Registrant's Amendment No. 1 to Registration Statement on Form S-1 (File No. 333-195169), filed on June 10, 2014).</u></a>
4.3	<a href="#"><u>Specimen Common Stock certificate of Registrant (incorporated by reference to Exhibit 4.1 to the Registrant's Amendment No. 1 to Registration Statement on Form S-1 (File No. 333-195169), filed on June 10, 2014).</u></a>
5.1*	<a href="#"><u>Opinion of Cooley LLP.</u></a>
23.1*	<a href="#"><u>Consent of Deloitte &amp; Touche LLP, Independent Registered Public Accounting Firm.</u></a>
23.2*	<a href="#"><u>Consent of Cooley LLP (included in Exhibit 5.1).</u></a>
24.1*	<a href="#"><u>Power of Attorney (Included on the Signature Page to this Form S-8).</u></a>
99.1	<a href="#"><u>Amended and Restated 2013 Equity Incentive Plan (incorporated by reference to Exhibit [99.1] to the Registrant's Current Report on Form 8-K filed with the Securities and Exchange Commission on June [8], 2018).</u></a>
99.2	<a href="#"><u>Form of Restricted Stock Unit Agreement under the Amended and Restated 2013 Equity Incentive Plan (incorporated by reference to Exhibit 10.01 to the Registrant's Current Report on Form 8-K filed with the Securities and Exchange Commission on December 16, 2016).</u></a>
99.3	<a href="#"><u>Form of Option Grant Agreement under the Amended and Restated 2013 Equity Incentive Plan (incorporated by reference to Exhibit 10.36 to the Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2016).</u></a>

\* Filed herewith.

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## 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 June 15, 2018.

MINERVA NEUROSCIENCES, INC.

By: /s/ Remy Luthringer, Ph.D.

Remy Luthringer, Ph.D.  
Chief Executive Officer

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, the undersigned hereby constitute and appoint Remy Luthringer, Ph.D. and Geoffrey Race, and each of them, his or her true and lawful attorney-in-fact and agent, each with full power of substitution and resubstitution, for him or her and in his or her name, place and 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 all 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 or necessary to be done in connection therewith, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that each of said attorneys-in-fact and agents, or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof. This Power of Attorney may be signed in several counterparts.

IN WITNESS WHEREOF, each of the undersigned has executed this Power of Attorney as of the date indicated.

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:

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Remy Luthringer, Ph.D.</u> Remy Luthringer, Ph.D.	Chief Executive Officer and Executive Chairman of the Board of Directors <i>(Principal Executive Officer)</i>	June 15, 2018
<u>/s/ Geoffrey Race</u> Geoffrey Race	Chief Financial Officer <i>(Principal Financial Officer)</i>	June 15, 2018
<u>/s/ Frederick Ahlholm</u> Frederick Ahlholm	Chief Accounting Officer <i>(Principal Accounting Officer)</i>	June 15, 2018
<u>/s/ William F. Doyle</u> William F. Doyle	Lead Independent Director of the Board of Directors	June 15, 2018
<u>/s/ Hans Peter Hasler</u> Hans Peter Hasler	Member of the Board of Directors	June 15, 2018
<u>/s/ David Kupfer, MD</u> David Kupfer, MD	Member of the Board of Directors	June 15, 2018
<u>/s/ Fouzia Laghrissi-Thode, MD</u> Fouzia Laghrissi-Thode, MD	Member of the Board of Directors	June 15, 2018
<u>/s/ Jan van Heek</u> Jan van Heek	Member of the Board of Directors	June 15, 2018



Marc A. Recht  
T: +1 617 937 2316  
mrecht@cooley.com

June 15, 2018

Minerva Neurosciences, Inc.  
1601 Trapelo Road, Suite 284  
Waltham, Massachusetts 02451

Ladies and Gentlemen:

You have requested our opinion with respect to certain matters in connection with the filing by Minerva Neurosciences, Inc., a Delaware corporation (the "**Company**"), of a Registration Statement on Form S-8 (the "**Registration Statement**") with the Securities and Exchange Commission under the Securities Act of 1933, as amended, covering the offering of up to 2,500,000 shares of the Company's common stock, \$0.0001 par value per share (the "**Shares**"), pursuant to the Company's Amended and Restated 2013 Equity Incentive Plan (the "**Plan**").

In connection with this opinion, we have examined and relied upon the Registration Statement and related prospectus, the Company's Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws, each as currently in effect, the Plan, and originals, or copies certified to our satisfaction, of such other documents, records, certificates, memoranda and other instruments as we deemed 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. As to certain factual matters, we have relied upon a certificate of an officer of the Company and have not sought independently to verify such matters.

Our opinion is expressed only with respect to the General Corporation Law of the State of Delaware. We express no opinion to the extent that any other laws are applicable to the subject matter hereof and provide no assurance as to compliance with any federal or state securities law, rule or regulation.

On the basis of the foregoing, and in reliance thereon, we are of the opinion that the Shares, when issued and sold in accordance with the Plan, the Registration Statement and the related prospectus, 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.

Very truly yours,

COOLEY LLP

By: /s/ Marc A. Recht  
Marc A. Recht

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated March 12, 2018, appearing in the Annual Report on Form 10-K of Minerva Neurosciences, Inc. for the year ended December 31, 2017.

*DELOITTE & TOUCHE LLP*

Boston, Massachusetts

June 15, 2018