

(Full Title of the Plan)

JOSEPH S. PODOLSKI
President and Chief Executive Officer
Repos Therapeutics Inc.

2408 Timberloch Place, Suite B-7

The Woodlands, Texas 77380

(281) 719-3400

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

Copies of all communications to:

JUSTIN W. CHAIRMAN, ESQ.
Morgan, Lewis & Bockius LLP

1701 Market Street

Philadelphia, PA 19103

(215) 963-5000

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.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
 (Do not check if a smaller reporting company)

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered ⁽¹⁾	Proposed Maximum Offering Price Per Share ⁽²⁾⁽³⁾	Proposed Maximum Aggregate Offering Price ⁽²⁾⁽³⁾	Amount of Registration Fee ⁽²⁾⁽³⁾
Common Stock, \$0.001 par value	1,000,000 shares	\$17.00 ⁽²⁾	\$5,334,668 ⁽²⁾	\$1,357.85
		\$9.255 ⁽³⁾	\$6,350,744 ⁽³⁾	

(1) Pursuant to Rule 416 under the Securities Act, such number of shares of common stock registered hereby shall include an indeterminable number of shares of common stock that may be issued in connection with a stock split, stock dividend, recapitalization or similar event.

(2) Fee calculated in accordance with Rule 457(h) under the Securities Act of 1933, as amended, solely for the purpose of determining the registration fee, based upon 313,804 shares underlying options outstanding under the

Repros Therapeutics Inc. 2011 Equity Incentive Plan and using the weighted average price at which such outstanding options under such plan may be exercised.

(3) Fee calculated in accordance with Rule 457(c) of the Securities Act of 1933, as amended. Estimated solely for the purpose of calculating the registration fee based on the average of the high and low prices per share of the registrant's common stock on November 12, 2014, as reported on the NASDAQ Capital Market.

PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

The documents containing the information specified in this Part I of Form S-8 will be sent or given to participants in the Repros Therapeutics Inc. 2011 Equity Incentive Plan, or the "Plan," covered by this Registration Statement as specified by Rule 428(b)(1) promulgated under the Securities Act of 1933, as amended (the "Securities Act"). Such documents need not be filed with the Securities and Exchange Commission, or the "Commission," either as part of this Registration Statement or as prospectuses or prospectus supplements pursuant to Rule 424 promulgated under the Securities Act. These documents and the documents incorporated by reference in this Registration Statement pursuant to Item 3 of Part II of this Form S-8, taken together, constitute a prospectus that meets the requirements of Section 10(a) of the Securities Act.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents filed by Repros Therapeutics Inc., or the registrant, with the Commission are incorporated by reference into this Registration Statement:

·The registrant's Annual Report on Form 10-K for the year ended December 31, 2013;

·The registrant's Quarterly Reports on Form 10-Q for the quarters ended March 31, 2014, June 30, 2014 and September 30, 2014;

·The registrant's Current Reports on Form 8-K filed with the Commission on January 8, 2014, January 21, 2014, March 17, 2014, April 1, 2014, April 14, 2014, June 20, 2014 and November 6, 2014; and

·The description of Repros' common stock contained in Repros' Registration Statement on Form 8-A filed on September 3, 1999, as amended by amendments to such registration statement on Form 8-A/A filed on September 11, 2002, October 31, 2002, June 30, 2005, January 10, 2008, October 10, 2008 and September 9, 2010.

All reports and other documents subsequently filed by the registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), prior to the filing of a post-effective amendment 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 to this Registration Statement and to be a part hereof from the date of the filing of such reports and documents. Any statement contained herein or in a document all or a portion of which is 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 other subsequently filed document that also is or 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.

EXPERTS

The financial statements and management's assessment of the effectiveness of internal control over financial reporting (which is included in Management's Report on Internal Control over Financial Reporting) incorporated in this Prospectus by reference to the Annual Report on Form 10-K have been so incorporated in reliance on the report of PricewaterhouseCoopers LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

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 and the Company's Restated Bylaws provide the Company with broad powers and authority to indemnify its directors and officers and to purchase and maintain insurance for such purposes.

Additionally, the Company's Restated Certificate of Incorporation (as amended, the "Restated Certificate of Incorporation"), provides that a director of the Company shall not be personally liable to the Company or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the Company or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the Delaware General Corporation Law, as the same may be amended, or (iv) for any transaction from which the director derived an improper personal benefit. If the Delaware General Corporation Law is amended to authorize the further elimination or limitation on personal liability of directors, then the liability of a director of the Company, in addition to the limitation on personal liability provided herein, shall be limited to the fullest extent permitted by the amended Delaware General Corporation Law.

The Company's Restated Certificate of Incorporation further provides that each person who was or is made a party or is threatened to be made a party to or is involved in any action, suit or proceeding, whether civil, criminal, administrative or investigative (a "proceeding"), by reason of the fact that he or she, or a person of whom he or she is the legal representative, is or was a director or officer, of the Company or is or was serving at the request of the Company as a director, officer, employee or agent of another corporation or of a partnership, joint venture, trust or other enterprise, including service with respect to employee benefit plans, whether the basis of such proceeding is alleged action in an official capacity as a director, officer, employee or agent or in any other capacity while serving as a director, officer, employee or agent shall be indemnified and held harmless by the Company to the fullest extent authorized by the Delaware General Corporation Law, as amended (but, in the case of any such amendment, only to the extent that such amendment permits the Company to provide broader indemnification rights than said law permitted the Company to provide prior to such amendment), against all expense, liability and loss (including attorneys' fees, judgments, fines, ERISA excise taxes or penalties and amounts paid or to be paid in settlement) reasonably incurred or suffered by such person in connection therewith and such indemnification shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of his or her heirs, executors and administrators; provided, however, that except for certain exceptions set forth in the Restated Certificate of Incorporation, the Company shall indemnify any such person seeking indemnification in connection with a proceeding (or part thereof) initiated by such person only if such proceeding (or part thereof) was authorized by the Board of Directors of the Company. The right to indemnification set forth in the Restated Certificate of Incorporation is a contract right and includes the right to be paid by the Company the expenses incurred in defending any such proceeding in advance of its final disposition; provided, however, that, if the Delaware General Corporation Law requires, the payment of such expenses incurred by a director or officer in his or her capacity as a director or officer (and not in any other capacity in which service was or is rendered by such person while a director or officer, including, without limitation, service to an employee benefit plan) in advance of the final disposition of a proceeding, payment shall be made only upon delivery to the Company of an undertaking, by or on behalf of such director or officer, to repay all amounts so advanced if it shall ultimately be determined that such director or officer is not entitled to be indemnified under the Restated Certificate of Incorporation. The Company may, by action of its Board of Directors, provide indemnification to employees and agents of the Company with the same scope and effect as the foregoing indemnification of directors or officers.

The Company's Restated Certificate of Incorporation and Bylaws also provide that the Company may maintain insurance, at its expense, to protect itself and any director, officer, employee or agent of the Company or another corporation, partnership, joint venture, trust or other enterprise against any such expense, liability or loss, whether or not the Company would have the power to indemnify such person against such expense, liability or loss under the

Delaware General Corporation Law..

Item 7. Exemption from Registration Claimed.

Not Applicable.

Item 8. Exhibits.

The exhibits filed as part of this registration statement are as follows:

Exhibit

Number Description

4.1	Repros Therapeutics Inc. 2011 Equity Incentive Plan.
5.1	Opinion of Morgan, Lewis & Bockius LLP regarding legality of securities being registered.
23.1	Consent of Morgan, Lewis & Bockius LLP (included in its opinion filed as Exhibit 5.1 hereto).
23.2	Consent of PricewaterhouseCoopers LLP.
24.1	Powers of Attorney (included as part of the signature page hereof).

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, as amended;

(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;

(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 reports filed with or furnished to the Securities and Exchange 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 the Registration Statement.

That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective

(2) 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 that remain unsold at the termination of the offering.

The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, as amended, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the

(b) Securities Exchange Act of 1934, as amended, 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.

Insofar as indemnification for liabilities arising under the Securities Act of 1933, as amended, 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 SEC 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 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 The Woodlands, State of Texas, on November 19, 2014.

REPROS THERAPEUTICS INC.

By: /s/ Joseph S. Podolski_
Joseph S. Podolski
President and Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed below by the following persons in the capacities and on the dates indicated.

Each person whose signature appears below hereby appoints Katherine A. Anderson and Joseph S. Podolski, and each of them acting individually, as his true and lawful attorneys-in-fact, with full power of substitution and resubstitution, with the authority to execute in the name of each such person, and to file with the Commission, together with any exhibits thereto and other documents therewith, any and all amendments (including post-effective amendments) to this registration statement, and any registration statements filed pursuant to General Instruction E to Form S-8 in respect of this registration statement and any and all amendments thereto (including post-effective amendments and all other related documents) necessary or advisable to enable the registrant to comply with the Securities Act, and any rules, regulations and requirements of the Commission in respect thereof, which amendments or registration statements may make such other changes in the registration statement as the aforesaid attorney-in-fact executing the same deems appropriate.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
/s/ Joseph S. Podolski Joseph S. Podolski	President, Chief Executive Officer (Principal Executive Officer) and Director	November 19, 2014
/s/ Katherine A. Anderson Katherine A. Anderson	Chief Financial Officer (Principal Financial and Accounting Officer) and Secretary	November 19, 2014

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/s/ Nola Masterson Director November 19, 2014
Nola Masterson

/s/ Daniel F. Cain Director November 19, 2014
Daniel F. Cain

/s/ Saira Ramasastry Director November 19, 2014
Saira Ramasastry

/s/ Michael Suesserman Director November 19, 2014
Michael Suesserman

/s/ Michael Wyllie Director November 19, 2014
Michael Wyllie, Ph.D.