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

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

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**ALPINE IMMUNE SCIENCES, INC.**  
(Exact name of Registrant as specified in its charter)

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Delaware  
(State or other jurisdiction of  
incorporation or organization)

20-8969493  
(I.R.S. Employer  
Identification Number)

201 Elliott Avenue West, Suite 230  
Seattle, Washington 98119  
(Address of principal executive offices, including zip code)

Amended and Restated 2015 Stock Plan, as amended  
2015 Equity Incentive Plan  
(Full title of the plans)

Mitchell H. Gold, M.D.  
Executive Chairman and Chief Executive Officer  
201 Elliott Avenue West, Suite 230  
Seattle, Washington 98119  
(206) 788-4545  
(Name, address and telephone number, including area code, of agent for service)

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*Copies to:*

Patrick J. Schultheis  
Michael Nordtvedt  
Wilson Sonsini Goodrich & Rosati  
Professional Corporation  
701 Fifth Avenue, Suite 5100  
Seattle, Washington 98104-7036  
(206) 883-2500

Mitchell H. Gold, M.D.  
Alpine Immune Sciences, Inc.  
201 Elliott Avenue West, Suite 230  
Seattle, Washington 98119  
(206) 788-4545

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  (Do not check if a smaller reporting company) Smaller reporting company   
 Emerging growth company

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	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common stock, \$0.001 par value per share:				
—Reserved for issuance under the Amended and Restated 2015 Stock Plan, as amended	256,500(2)	\$8.58(3)	\$2,200,770.00	\$274
—Outstanding under the Amended and Restated 2015 Stock Plan, as amended	263,124(4)	\$10.46(5)	\$2,752,277.04	\$343
—Reserved for issuance under the 2015 Equity Incentive Plan	831,934(6)	\$8.58(3)	\$7,137,993.72	\$889
—Outstanding under the 2015 Equity Incentive Plan	247,473(7)	\$11.31(5)	\$2,798,919.63	\$349
<b>TOTAL:</b>	<b>1,599,031</b>		<b>\$14,889,960.40</b>	<b>\$1,854</b>

- (1) Pursuant to Rule 416(a) of 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 that become issuable under the Amended and Restated 2015 Stock Plan, as amended (the “2015 Stock Plan”) and the 2015 Equity Incentive Plan (the “2015 Incentive Plan”) by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without receipt of consideration that increases the number of the Registrant’s outstanding shares of common stock.
- (2) Reflects an increase to the number of shares of Common Stock reserved for issuance pursuant to future awards under the 2015 Stock Plan, which increase was approved by the Board of Directors and stockholders of the Registrant.
- (3) Estimated in accordance with Rules 457(c) and 457(h) of the Securities Act solely for purposes of calculating the registration fee on the basis of \$8.58, the average of the high and low prices of the Common Stock, as reported on the NASDAQ Global Market on March 23, 2018.
- (4) Represents shares of common stock reserved for issuance upon the exercise of stock options outstanding under the 2015 Stock Plan.
- (5) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) of the Securities Act. The proposed maximum offering price per share and proposed maximum aggregate offering price for the 263,124 shares of common stock issuable upon the exercise of stock options outstanding under the 2015 Stock Plan are calculated using a weighted average exercise price of \$10.46 per share. The proposed maximum offering price per share and proposed maximum aggregate offering price for the 247,473 shares of common stock issuable upon the exercise of stock options outstanding under the 2015 Incentive Plan are calculated using a weighted average exercise price of \$11.31 per share.
- (6) Represents 831,934 additional shares of common stock reserved for issuance as a result of annual evergreen increases pursuant to the 2015 Incentive Plan.
- (7) Represents shares of common stock reserved for issuance upon the exercise of stock options outstanding under the 2015 Incentive Plan.

**Proposed sale to take place as soon after the effective date of the Registration Statement as awards under the plans are granted, exercised and/or vest.**

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## EXPLANATORY NOTE

This Registration Statement on Form S-8 is filed for the purpose of registering (a) 263,124 shares of common stock, par value \$0.001 per share (“Common Stock”), of Alpine Immune Sciences, Inc. (the “Registrant”) that may be issued pursuant to outstanding awards granted under the Registrant’s Amended and Restated 2015 Stock Plan, as amended (the “Stock Plan”) and 256,500 shares of Common Stock reserved for issuance under the Stock Plan and (b) 247,473 shares of Common Stock that may be issued pursuant to outstanding awards granted under the Registrant’s 2015 Equity Incentive Plan (the “Equity Incentive Plan”) and 831,934 additional shares of Common Stock available for issuance as a result of annual evergreen increases to the Equity Incentive Plan.

### PART I

#### INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

The information specified in Item 1 and Item 2 of Part I of Form S-8 is omitted from this Registration Statement on Form S-8 (the “Registration Statement”) in accordance with the provisions of Rule 428 under the Securities Act of 1933, as amended (the “Securities Act”), and the introductory note to Part I of Form S-8. The documents containing the information specified in Part I of Form S-8 will be delivered to the participants in the equity benefit plans covered by this Registration Statement as specified by Rule 428(b)(1) under the Securities Act.

### PART II

#### INFORMATION REQUIRED IN REGISTRATION STATEMENT

##### Item 3. Incorporation of Documents by Reference.

The Registrant hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission (the “Commission”):

- (1) The Registrant’s Annual Report on Form 10-K for the fiscal year ended December 31, 2017, filed with the Commission on March 28, 2018;
- (2) All other reports filed with the Commission pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended (the “Act”), since the end of the fiscal year covered by the Registrant’s Annual Report referred to in (1) above; and
- (3) The description of the Registrant’s common stock contained in the Registration Statement on Form 8-A12B filed on June 16, 2015 (File No. 001-37449) with the Commission, 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 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 a part hereof from the date of filing of such documents; *provided, however*, that documents or information deemed to have been furnished and not filed in accordance with the rules of the Commission shall not be deemed incorporated by reference into this Registration Statement. Any statement contained in a document

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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 which 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.

Under no circumstances will any information furnished under current items 2.02 or 7.01 of Form 8-K be deemed incorporated herein by reference unless such Form 8-K expressly provides to the contrary.

**Item 4. Description of Securities.**

Not applicable.

**Item 5. Interests of Named Experts and Counsel.**

The validity of the issuance of the shares of the Registrant's common stock offered hereby has been passed upon by Wilson Sonsini Goodrich & Rosati, P.C. Certain members of, and investment partnerships comprised of members of, and persons associated with Wilson Sonsini Goodrich & Rosati, P.C. own shares of the Registrant's capital stock, representing less than 1% of all outstanding shares of Registrant's capital stock.

**Item 6. Indemnification of Directors and Officers.**

Section 145 of the Delaware General Corporation Law empowers a corporation to indemnify its directors and officers and to purchase insurance with respect to liability arising out of their capacity or status as directors and officers, provided that the person acted in good faith and in a manner the person reasonably believed to be in our best interests, and, with respect to any criminal action, had no reasonable cause to believe the person's actions were unlawful. The Delaware General Corporation Law further provides that the indemnification permitted thereunder shall not be deemed exclusive of any other rights to which the directors and officers may be entitled under the corporation's bylaws, any agreement, a vote of stockholders or otherwise. The certificate of incorporation of the Registrant to be in effect upon the completion of this offering provides for the indemnification of the Registrant's directors and officers to the fullest extent permitted under the Delaware General Corporation Law.

In addition, the bylaws of the Registrant require the Registrant to fully indemnify any person, or a Covered Person, who was or is made or is threatened to be made a party or is otherwise involved in any action, suit or proceeding, whether civil, criminal, administrative or investigative, or a "proceeding, by reason of the fact that he or she, or a person for whom he or she is the legal representative, is or was a director or officer of the corporation or, while a director or officer of the corporation, is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation or of a partnership, joint venture, trust, enterprise or nonprofit entity, including service with respect to employee benefit plans, against all liability and loss suffer and expenses (including attorney's fees) reasonably incurred by such Covered Person.

Section 102(b)(7) of the Delaware General Corporation Law permits a corporation to provide in its certificate of incorporation that a director of the corporation shall not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except (1) for any breach of the director's duty of loyalty to the corporation or its stockholders, (2) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (3) for payments of unlawful dividends or unlawful stock repurchases or redemptions or (4) for any transaction from which the director derived an improper personal benefit. The Registrant's certificate of incorporation provides that the

Registrant's directors shall not be personally liable to the Registrant or its stockholders for monetary damages for breach of fiduciary duty as a director and that if the Delaware General Corporation Law is amended to authorize corporate action further eliminating or limiting the personal liability of directors, then the liability of the Registrant's directors shall be eliminated or limited to the fullest extent permitted by the Delaware General Corporation Law, as so amended.

Section 174 of the Delaware General Corporation Law provides, among other things, that a director who willfully or negligently approves of an unlawful payment of dividends or an unlawful stock purchase or redemption may be held liable for such actions. A director who was either absent when the unlawful actions were approved, or dissented at the time, may avoid liability by causing his or her dissent to such actions to be entered in the books containing minutes of the meetings of the board of directors at the time such action occurred or immediately after such absent director receives notice of the unlawful acts.

As permitted by the Delaware General Corporation Law, the Registrant has entered into separate indemnification agreements with each of the Registrant's directors and certain of the Registrant's officers which require the Registrant, among other things, to indemnify them against certain liabilities which may arise by reason of their status as directors, officers or certain other employees.

The Registrant has and expects to maintain insurance policies under which its directors and officers are insured, within the limits and subject to the limitations of those policies, against certain expenses in connection with the defense of, and certain liabilities which might be imposed as a result of, actions, suits or proceedings to which they are parties by reason of being or having been directors or officers. The coverage provided by these policies may apply whether or not the Registrant would have the power to indemnify such person against such liability under the provisions of the Delaware General Corporation Law.

These indemnification provisions and the indemnification agreements entered into between the Registrant and the Registrant's officers and directors may be sufficiently broad to permit indemnification of the Registrant's officers and directors for liabilities (including reimbursement of expenses incurred) arising under the Securities Act of 1933.

#### **Item 7. Exemption from Registration Claimed.**

Not applicable.

#### **Item 8. Exhibits.**

Exhibit Number	Exhibit Description	Form	Incorporated by Reference		Filing Date
			File No.	Exhibit	
4.1	<a href="#">Form of Common Stock Certificate of Alpine Immune Sciences, Inc.</a>	10-K	001-37449	4.1	March 28, 2018
4.2	<a href="#">Amended and Restated 2015 Stock Plan, as amended</a>	S-8 POS	333-218134	4.1	September 11, 2017
4.3	<a href="#">Form of Option Agreement under the Amended and Restated 2015 Stock Plan, as amended</a>	S-8 POS	333-218134	4.2	September 11, 2017
4.4	<a href="#">2015 Equity Incentive Plan</a>	S-8	333-205220	4.4	June 25, 2015
4.5	<a href="#">Form of Notice of Stock Option Grant and Stock Option Agreement for Employees under the 2015 Equity Incentive Plan</a>	S-8	333-205220	4.5	June 25, 2015
4.6	<a href="#">Form of Notice of Stock Option Grant and Stock Option Agreement for Non-Employee Directors under the 2015 Equity Incentive Plan</a>	S-8	333-205220	4.6	June 25, 2015
4.7	<a href="#">Form of Warrant to Purchase Shares of Common Stock issued to certain service providers on April 12, 2017 under the Amended and Restated 2015 Stock Plan, as amended</a>	10-K	001-37449	4.6	March 28, 2018

Exhibit Number	Exhibit Description	Form	Incorporated by Reference		Filing Date
			File No.	Exhibit	
5.1+	<a href="#">Opinion of Wilson Sonsini Goodrich &amp; Rosati, Professional Corporation.</a>				
23.1+	<a href="#">Consent of Independent Registered Public Accounting Firm.</a>				
23.2+	<a href="#">Consent of Wilson Sonsini Goodrich &amp; Rosati, Professional Corporation (contained in Exhibit 5.1 hereto).</a>				
24.1+	<a href="#">Power of Attorney (contained on signature page hereto).</a>				

+Filed herewith.

#### 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 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 the 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.

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(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 provisions described under "Item 6—Indemnification of Directors and Officers," 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 of 1933 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.

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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 City of Seattle, State of Washington, on the 28<sup>th</sup> day of March, 2018.

**Alpine Immune Sciences, Inc.**

By: /s/ Mitchell H. Gold, M.D.

**Mitchell H. Gold, M.D.**

Executive Chairman and Chief Executive Officer

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Mitchell H. Gold, M.D. and Paul Rickey as his or her true and lawful attorneys-in-fact and agents, 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 (including his or her capacity as a director or officer of Alpine Immune Sciences, Inc.) to sign any or all amendments (including post-effective amendments) to this registration statement, and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the SEC, 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 connection therewith, as fully to all intents and purposes as they, he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agents or any of them, 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, this Registration Statement on Form S-8 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/ Mitchell H. Gold, M.D.</u> <b>Mitchell H. Gold, M.D.</b>	Chief Executive Officer and Executive Chairman of the Board of Directors <i>(Principal Executive Officer)</i>	March 28, 2018
<u>/s/ Paul Rickey</u> <b>Paul Rickey</b>	Senior Vice President and Chief Financial Officer <i>(Principal Accounting and Financial Officer)</i>	March 28, 2018
<u>/s/ Jay Venkatesan, M.D.</u> <b>Jay Venkatesan, M.D.</b>	President and Director	March 28, 2018
<u>/s/ James Topper, M.D., Ph.D.</u> <b>James Topper, M.D., Ph.D.</b>	Director	March 28, 2018
<u>/s/ Robert Conway</u> <b>Robert Conway</b>	Director	March 28, 2018
<u>/s/ Peter Thompson, M.D.</u> <b>Peter Thompson, M.D.</b>	Director	March 28, 2018
<u>/s/ Paul Sekhri</u> <b>Paul Sekhri</b>	Director	March 28, 2018

March 28, 2018

Alpine Immune Sciences, Inc.  
201 Elliott Avenue West, Suite 230  
Seattle, Washington 98119

**Re: Registration Statement on Form S-8**

Ladies and Gentlemen:

We have examined the Registration Statement on Form S-8 (the "Registration Statement") to be filed by Alpine Immune Sciences, Inc., a Delaware corporation, with the Securities and Exchange Commission on or about the date hereof, in connection with the registration under the Securities Act of 1933, as amended, of an aggregate of 1,599,031 shares of your common stock, par value \$0.001 per share (the "Shares"), consisting of: (i) 256,500 shares of common stock to be issued under the Amended and Restated 2015 Stock Plan, as amended (the "Stock Plan"); (ii) 263,124 shares of common stock reserved for issuance upon the exercise of options outstanding under the Stock Plan; (iii) 831,934 shares of common stock to be issued under the 2015 Equity Incentive Plan (the "Equity Incentive Plan" and together with the Stock Plan, the "Plans"); and (iv) 247,473 shares of common stock reserved for issuance upon the exercise of options outstanding under the Equity Incentive Plan. As your legal counsel, we have reviewed the actions proposed to be taken by you in connection with the issuance and sale of the Shares to be issued under the Plans.

It is our opinion that the Shares, when issued and sold in the manner referred to in the Plans and pursuant to the agreements that accompany the Plans, will be legally and validly issued, fully paid and nonassessable.

We consent to the use of this opinion as an exhibit to the Registration Statement, and further consent to the use of our name wherever appearing in the Registration Statement and any amendments thereto.

Very truly yours,

WILSON SONSINI GOODRICH & ROSATI  
Professional Corporation

/s/ Wilson Sonsini Goodrich & Rosati, P.C.

**Consent of Independent Registered Public Accounting Firm**

We consent to the incorporation by reference in the Registration Statement on Form S-8 pertaining to the Amended and Restated 2015 Stock Plan, as amended, and the 2015 Equity Incentive Plan of Alpine Immune Sciences, Inc. of our report dated March 28, 2018, with respect to the consolidated financial statements of Alpine Immune Sciences, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2017, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Seattle, Washington  
March 28, 2018