Aimmune Thera Form S-8	peutics, Inc.			
March 11, 2016				
As filed with the	e Securities and Exc	hange Commission on Marc	th 11, 2016	
Registration No.	. 333-			
UNITED STAT	ES			
SECURITIES A	ND EXCHANGE (COMMISSION		
Washington, D.	C. 20549			
FORM S-8				
REGISTRATIO	N STATEMENT			
UNDER				
THE SECURITI	IES ACT OF 1933			
Aimmune Thera	peutics, Inc.			
(Exact name of l	Registrant as specifi	ed in its charter)		
	Delaware	2834	45-2748244	
	(State or other juri	sdiction of (Primary Standa	ard Industrial (I.R.S. Employer	
8000 Marina Blv	_	rganization) Classification C	ode Number) Identification Number)	
Brisbane, CA 94	4005			
(650) 614-5220				
(Address, includ	ling zip code, and te	lephone number, including	area code, of Registrant's principal executive offic	es

2015 Equity Incentive Award Plan

2015 Employee Stock Purchase Plan (Full Title of the Plan) Stephen G. Dilly, M.B.B.S., Ph.D. President and Chief Executive Officer Aimmune Therapeutics, Inc. 8000 Marina Blvd, Suite 300 Brisbane, CA 94005 (650) 614-5220 (Name, address, including zip code, and telephone number, including area code, of agent for service) Copies to: Patrick A. Pohlen, Esq. Brian J. Cuneo, Esq. Latham & Watkins LLP 140 Scott Drive Menlo Park, CA 94025

Telephone: (650) 328-4600

Facsimile: (650) 463-2600

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 " Accelerated filer Smaller reporting company " Smaller reporting company "

CALCULATION OF REGISTRATION FEE

		Proposed	Proposed	
	Amount	-	•	
		Maximum	Maximum	
Title of Each Class of	to be	Offering Price	Aggregate Offering	
				Amount of
Securities to be Registered	Registered ⁽¹⁾	Per Share ⁽²⁾	Price	Registration Fee
Common Stock, \$0.0001 par value per share	$1,689,556^{(3)}$	\$16.03	\$27,083,583	\$2,727
Common Stock, \$0.0001 par value per share	422,389(4)	\$16.03	\$6,770,896	\$682
Total:	2,111,945		\$33,854,479	\$3,409

- (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 that become issuable under the 2015 Equity Incentive Award Plan (the "2015 Plan") and the 2015 Employee Stock Purchase Plan (the "ESPP") by reason of any stock dividend, stock split, recapitalization or similar transaction effected without the Registrant's receipt of consideration which would increase the number of outstanding shares of common stock.
- (2) This estimate is made pursuant to Rule 457(c) and Rule 457(h) of the Securities Act solely for purposes of calculating the registration fee. The Proposed Maximum Offering Price Per Share for shares available for future grant is the average of the high and low prices for the registrant's

common stock as reported on The NASDAQ Global Select Market on March 10, 2016, which is \$16.03.

- (3) Represents the additional shares of common stock available for future issuance under the 2015 Plan resulting from an annual increase as of January 1, 2016.
- (4) Represents the additional shares of common stock available for future issuance under the ESPP resulting from an annual increase as of January 1, 2016.

Proposed sale to take place as soon after the effective date of the

registration statement as awards under the plans are exercised and/or vest.

EXPLANATORY NOTE

This Registration Statement on Form S-8 is being filed for the purpose of registering an additional 2,111,945 shares of the Registrant's common stock issuable under the following employee benefit plans for which a Registration Statement of the Registrant on Form S-8 (File No. 333-206307) is effective: (i) the 2015 Equity Incentive Award Plan, as a result of the operation of an automatic annual increase provision therein, which added 1,689,556 shares of common stock, and (ii) the 2015 Employee Stock Purchase Plan, as a result of the operation of an automatic annual increase provision therein, which added 422,389 shares of common stock.

INCORPORATION BY REFERENCE OF CONTENTS OF REGISTRATION STATEMENT ON

FORM S-8

Pursuant to Instruction E of Form S-8, the contents of the Registration Statement on Form S-8 filed with the Securities and Exchange Commission on August 11, 2015 (File No. 333-206307) are incorporated by reference herein.

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 Brisbane, California, on this 11th day of March, 2016.

Aimmune Therapeutics, Inc.

By: /s/ Stephen G. Dilly

Stephen G. Dilly, M.B.B.S., Ph.D.

President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below does hereby constitute and appoint Stephen G. Dilly, M.B.B.S., Ph.D. and Warren L. DeSouza, and each of them, with full power of substitution and full power to act without the other, his or her true and lawful attorney-in-fact and agent to act for him or her in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to file this registration statement, 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 and necessary to be done in order to effectuate the same as fully, to all intents and purposes, as they or he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, 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 date indicated.

Signature Title		Date		
/s/ Stephen G. Dilly	President, Chief Executive Officer and Director	March 11, 2016		
	(Principal Executive Officer)			
Stephen G. Dilly, M.B.B.S., Ph.D.				
/s/ Warren L. DeSouza	Chief Financial Officer	March 11, 2016		
	(Principal Financial and Accounting Officer)			
Warren DeSouza				
/s/ Patrick G. Enright	Director	March 11, 2016		

Patrick G. Enright

/s/ Kathryn E. Falberg	Director	March 11, 2016		
Kathryn E. Falberg				
/s/ Mark T. Iwicki	Director	March 11, 2016		
Mark T. Iwicki				
	Director	March 11, 2016		
Mark D. McDade				
	Director	March 11, 2016		
Stacey D. Seltzer				

Exhibit Index

		Incorp	orated by F	Reference	Filed Herewith
Exhibit					
Number	Exhibit Description	Form	Date	Number	
4.1	Amended and Restated Certificate of Incorporation.	8-K	8/11/2015	3.1	
4.2	Amended and Restated Bylaws.	8-K	8/11/2015	3.2	
4.3	Form of Common Stock Certificate.	S-1/A	7/27/2015	4.2	
5.1	Opinion of Latham & Watkins LLP.				X
23.1	Consent of independent registered public accounting firm.				X
23.2	Consent of Latham & Watkins LLP (included in Exhibit 5.1).				X
24.1	Power of Attorney. Reference is made to the signature page to the				X
	Registration Statement.				
99.1(a)#	2013 Stock Plan.	S-1	7/6/2015	10.5(a)	
99.1(b)#	Amendment to the 2013 Stock Plan, dated January 20, 2015.	S-1	7/6/2015	10.5(b)	
99.1(c)#	Form of Stock Option Grant Notice and Stock Option Agreement under the 2013 Stock Plan.	S-1	7/6/2015	10.5(c)	
99 1(d)#	Form of Restricted Stock Purchase Grant Notice and Restricted	S-1	7/6/2015	10.5(d)	
)).I(u)	Stock Purchase Agreement under the 2013 Stock Plan.	5 1	77072015	10.5(4)	
99.2(a)#	2015 Equity Incentive Award Plan.	S-8	8/11/2015	99.2(a)	
99.2(b)#	Form of Stock Option Grant Notice and Stock Option Agreement	S-1/A	7/27/2015	10.6(b)	
	under the 2015 Equity Incentive Award Plan.				
99.2(c)#	Form of Restricted Stock Award Agreement and Restricted Stock	S-1/A	7/27/2015	10.6(c)	
	Unit Award Agreement under the 2015 Equity Incentive Award				
	Plan.				
99.3#	Aimmune Therapeutics, Inc. 2015 Employee Stock Purchase Plan.	S-8	8/11/2015	99.3	

#Indicates management contract or compensatory plan.