Aimmune Ther Form S-8	rapeutics, Inc.			
March 15, 2017	7			
As filed with th	o Socurities and Evel	oonga Commission on Mor	.h 15 2017	
		nange Commission on Marc	11 13, 2017	
Registration No	0. 333-			
UNITED STAT	ΓES			
SECURITIES A	AND EXCHANGE C	OMMISSION		
Washington, D	.C. 20549			
FORM S-8				
REGISTRATIO	ON STATEMENT			
UNDER				
THE SECURIT	TIES ACT OF 1933			
Aimmune Ther	apeutics, Inc.			
(Exact name of	Registrant as specifie	ed in its charter)		
	Delaware	2834	45-2748244	
	(State or other juris	sdiction of (Primary Standa	ard Industrial (I.R.S. Employer	
8000 Marina B	_	ganization)Classification C	ode Number) Identification Number)	
Brisbane, CA 9	4005			
(650) 614-5220)			
(Address, inclu	ding zip code, and tel	ephone number, including	area code, of Registrant's principal executive	offices

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:

DouglaPatrick A.

T. Pohlen,

Sheehy, Esq.

Esq.

Brian J.

GeneralCuneo,

CounseEsq.

&

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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

Non-accelerated filer

(Do not check if a 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 Per Share	Registration Fee
Common Stock, \$0.0001 par value per share	$2,007,875^{(3)}$	\$21.66	\$43,490,572.50	\$5,040.56
Common Stock, \$0.0001 par value per share	501,968(4)	\$21.66	\$10,872,626.88	\$1,260.14
Total:	2,509,843	\$21.66	\$54,363,199.38	\$6,300.69

- (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 8, 2017, which is \$21.66.

- (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, 2017.
- (4) Represents the additional shares of common stock available for future issuance under the ESPP resulting from an annual increase as of January 1, 2017.

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 2,509,843 shares of the Registrant's common stock issuable under the following employee benefit plans for which Registration Statements of the Registrant on Form S-8 (File Nos. 333-206307 and 333-210142) are effective: (i) the 2015 Equity Incentive Award Plan, as a result of the operation of an automatic annual increase provision therein, which added 2,007,875 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 501,968 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 Statements on Form S-8 filed with the Securities and Exchange Commission on August 11, 2015 and March 11, 2016 (File Nos. 333-206307 and 333-210142) are incorporated by reference herein.

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 Brisbane, California, on this 15th day of March, 2017.

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 Douglas T. Sheehy, 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 (Principal Executive Officer)	r	March 15, 2017
Stephen G. Dilly, M.B.B.S., Ph.D	•		
/s/ Warren L. DeSouza	Chief Financial Officer		March 15, 2017
	(Principal Financial and Accounting Officer)		
Warren L. DeSouza			
/s/ Gregory Behar	Director		March 15, 2017

Gregory	Behar
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/s/ Patrick G. Enright Director March 15, 2017

Patrick G. Enright

/s/ Kathryn E. Falberg Director March 15, 2017

Kathryn E. Falberg

/s/ Mark T. Iwicki Director March 15, 2017

Mark T. Iwicki

/s/ Mark D. McDade Director March 15, 2017

Mark D. McDade

/s/ Stacey D. Seltzer Director March 15, 2017

Stacey D. Seltzer

Exhibit Index

Filed Incorporated by Reference 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	S-1	7/6/2015	10.5(c)	
	under the 2013 Stock Plan.				
99.1(d)#	Form of Restricted Stock Purchase Grant Notice and Restricted	S-1	7/6/2015	10.5(d)	
	Stock Purchase Agreement under the 2013 Stock Plan.				
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	
99.4	Amended and Restated Investors' Rights Agreement, dated January	S-1	7/6/2015	10.1	
	20, 2015, by and among Aimmune Therapeutics, Inc. and the				
	investors listed therein.				

#Indicates management contract or compensatory plan.