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

# SCHEDULE 13G Under the Securities Exchange Act of 1934 (Amendment No. \_)\*

<u>Immunogen Inc.</u> (Name of Issuer)

Common Stock, \$0.001 par value per share (Title of Class of Securities)

<u>45253H101</u> (CUSIP Number)

<u>December 31, 2017</u> (Date of Event Which Requires Filing of this Statement)

[	⊠ Rule 13d-1(b)					
[	□ Rule 13d-1(c)					
[	□ Rule 13d-1(d)					
iny su Γhe in	ubsequent amendment con	remainde	be filled out for a reporting person's initial filing on this form with respect formation which would alter the disclosures provided in a prior cover page or of this cover page shall not be deemed to be "filed" for the purpose of Sec iabilities of that section of the Act but shall be subject to all other provision	ction 18 of the Securities Exchange Act o		
	Act ) of otherwise subjection	ect to the i	labilities of that section of the Act but shall be subject to an other provision	is of the Act (however, see the Protes).		
(1)	Names of Reporting	Persons.		Redmile Group, LLC		
(2)	Check the Appropria	ite Box if	a Member of a Group (See Instructions)	(a)		
(3)	SEC Use Only					
(4)	Citizenship or Place	of Organi	zation	DELAWARE		
	NUMBER OF	(5)	Sole Voting Power	0		
	SHARES BENEFICIALLY	(6)	Shared Voting Power	10,906,962		
	OWNED BY EACH REPORTING PERSON WITH	(7)	Sole Dispositive Power	0		
	TERSON WITH	(8)	Shared Dispositive Power	10,906,962		
(9)	Aggregate Amount	Benefici	ally Owned by Each Reporting Person	10,906,962		
(10)	Check if the Aggre	gate Amo	unt in Row (9) Excludes Certain Shares (See Instructions)			
(11)	Percent of Class Ro	epresented	d by Amount in Row (9)	8.25%		
(12)	Type of Reporting	Person (S	ee Instructions)	IA,OO		
			2			
(1)	Names of Reporting	Names of Reporting Persons.  JEREMY C. GREEN				
(2)	Check the Appropriate Box if a Member of a Group (See Instructions)  (a)  (b)  (b)					
(3)	SEC Use Only					

(4)	Citizer	nship	p or Place of Organization	UNITED KINGDOM			
ľ	NUMBI			0			
	SHARES ENEFICIALLY		LLY (6) Shared Voting Power	10,906,962			
I	NED B	TIN	IG (7) Sole Dispositive Power	0			
PI	ERSON	WI.	TTH (8) Shared Dispositive Power	10,906,962			
(9)	Aggr	egate	te Amount Beneficially Owned by Each Reporting Person	10,906,962			
(10)	Chec	k if t	the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)				
(11)	Perce	ent of	of Class Represented by Amount in Row (9)	8.25%			
(12)	Type	of R	Reporting Person (See Instructions)	IN,HC			
			3				
Item 1(a).	Name	of I	Issuer:				
	Immu	noge	en Inc.				
Item 1(b).	. Address of Issuer's Principal Executive Offices:						
	830 Winter Street Waltham, MA 02451						
Item 2(a).	Name	es of	Persons Filing:				
	Redmile Group, LLC ("Redmile") Jeremy C. Green ("Jeremy Green")						
Item 2(b).	Address of Principal Business Office or, if None, Residence:						
	The p	rincij	ipal business address of each reporting person is One Letterman Drive, Bldg D, Ste D3-300, San Francisco, CA	94129.			
Item 2(c).	Citizenship:						
	Reference is made to Item 4 of pages 2–3 of this Schedule 13G (this "Schedule"), which Items are incorporated by reference herein.						
Item 2(d).	Title of Class of Securities:						
	Comn	non S	Stock, \$.001 par value per share				
Item 2(e).	. CUSIP Number:						
	45253						
Item 3.	_		tement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:				
			Broker or dealer registered under section 15 of the Act (15 U.S.C. 780).				
			Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).				
		(c)	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).				
		(d)	Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).				
	$\boxtimes$	(e)	An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);				
		(f)	An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);				
		(g)	A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);				
			4				

	☐ (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);					
		(i)	A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);			
		(j)	Group, in accordance with §240.13d-1(b)(1)(ii)(J).			
Item 4.	Ownership.					
Reference is hereby made to Items 5-9 and 11 of this Schedule above, which Items are incorporated by reference herein.						
Item 5.	Ownership of Five Percent or Less of a Class					
five percen	If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than cent of the class of securities, check the following [].					
Item 6.	Ownership of More than Five Percent on Behalf of Another Person.					
	N/A					

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#### Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

If a parent holding company or control person has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

See Exhibit B attached hereto.

#### Item 8. **Identification and Classification of Members of the Group**

Not Applicable.

#### **Notice of Dissolution of Group** Item 9.

Not Applicable.

#### Item 10. Certification

By signing below the undersigned certify that, to the best of their knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

## **Signature**

After reasonable inquiry and to the best of my knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: Feburary 14, 2018 REDMILE GROUP, LLC

/s/ Jeremy C. Green

Name: Jeremy C. Green Title: Managing Member

JEREMY C. GREEN

By: /s/ Jeremy C. Green Jeremy C. Green

### Exhibit A

The undersigned agree that this Schedule 13G, dated Feburary 14, 2018, relating to the common stock, par value \$0.001, of Immunogen Inc., shall be filed on behalf of the undersigned.

Dated: Feburary 14, 2018 REDMILE GROUP, LLC

> /s/ Jeremy C. Green Name: Jeremy C. Green Title: Managing Member

# JEREMY C. GREEN

By: <u>/s/ Jeremy C. Green</u> Jeremy C. Green

# Exhibit B

Redmile Group, LLC is the relevant entity for which Jeremy C. Green may be considered a control person.