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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

ImmunoGen, Inc.	_
(Name of Issuer)	-
Common Stock, \$.01 par value	
(Title of Class of Securities)	-
45253H101	
(CUSIP Number) February 4, 2019	-
(Date of Event Which Requires Filing of this Statement)	

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1(b)
- [_] Rule 13d-1(c)
- [_] Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSI	P NO.	45253H101		13G			Page	2 of	8	- Pages
(1)		S OF REPORTIN		F ABOVE PERSO	NS ((entities on	ly).			-
	Rena	issance Techr	ologies LLC	26-03857	58					
(2)	CHECK (a) (b)		ATE BOX IF A	MEMBER OF A	GROL	JP (SEE INST	RUCTIC)NS):		-
(3)	SEC U	ISE ONLY								-
(4)	CITIZE	NSHIP OR PLAC	E OF ORGANIZA	ATION						-
	Dela	ware								
					(5)	SOLE VOTING	POWEF	2		-
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:					10,559	, 739			
					(6)	SHARED VOTI	NG POW	/ER		
						0				
					(7)	SOLE DISPO	SITIVE	E POW	ER	

10,634,387

(8) SHARED DISPOSITIVE POWER

72,752

(9)	AGGREGATE AMOUNT BENEFICIALL	- Y OWNED BY EACH.	REPORTING PERSON
	10,	707,139	
(10)	CHECK BOX IF THE AGGREGATE A (SEE INSTRUCTIONS)	MOUNT IN ROW (9)) EXCLUDES CERTAIN SHARES
(11)	PERCENT OF CLASS REPRESENTE		
. ,		.5 %	
(12)	TYPE OF REPORTING PERSON (SE IA	E INSTRUCTIONS)	
		age 2 of 8 pages	
		age 3 of 8 pages	5
	IP NO. 45253H101	13G	Page 3 of 8 Pages
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. RENAISSANCE TECHNOLOGIES HOL	OF ABOVE PERSONS	
	RENAISSANCE TECHNOLOGIES HOL	DINGS CORPORATIO	JN 13-5127754
(2)	CHECK THE APPROPRIATE BOX IF (a) [_] (b) [_]	A MEMBER OF A (GROUP (SEE INSTRUCTIONS)
(3)	SEC USE ONLY		
(4)	CITIZENSHIP OR PLACE OF ORGAN		
()	Delaware		
			(5) SOLE VOTING POWER
	NUMBER OF SHARES		10,559,739
	BENEFICIALLY OWNED BY EACH REPORTING	-	
	PERSON WITH:		(6) SHARED VOTING POWER 0
		-	
		((7) SOLE DISPOSITIVE POWER
			10,634,387
		-	(8) SHARED DISPOSITIVE POWER
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<pre>ttem 1. (a) Name of Issuer ImmunoGen, Inc. (b) Address of Issuer's Principal Executive Offices. B30 Winter Street, Waltham, MA 02451 Item 2. (a) Name of Person Filing: This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and Renaissance Technologies Holdings Corporation ("RTHC"). (b) Address of Principal Business Office or, if none, Residence. The principal business address of the reporting persons is:</pre>		NO. 45253H101 13G Page 4 of 8 Pages
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RTC: 7.15 % RTHC: 7.15 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote:	(6)	
(c) Number of shares as to which the person has:(i) sole power to vote or to direct the vote:	(u)	RTC: 7.15 %
(i) sole power to vote or to direct the vote:	(c)	
	(-)	
NIG. 10.007.109		

(ii) Shared power to vote or to direct the vote:

(iii) sole power to dispose or to direct the disposition of:

RTC: 10,634,387 RTHC: 10,634,387

(iv) Shared power to dispose or to direct the disposition of:

RTC: 72,752 RTHC: 72,752

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Item 5. Ownership of Five Percent or Less of a Class.

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 five percent of the class of securities, check the following: [_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

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

Not applicable

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

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2020

Renaissance Technologies LLC

By: /s/ James S. Rowen Chief Operating Officer

By: /s/ James S. Rowen Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, \$.01 par value of ImmunoGen, Inc.

Date: February 12, 2020

Renaissance Technologies LLC

By: /s/ James S. Rowen Chief Operating Officer

Renaissance Technologies Holdings Corporation

By: /s/ James S. Rowen Vice President

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