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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)\*

Agile Therapeutics, Inc.
(Name of Issuer)
Common stock, par value \$0.0001 per share
(Title of Class of Securities)
00847L100
(CUSIP Number) December 31, 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).

====	=====				=====		=====	====	===	=
CUSI	P NO.	00847L100		13G			Page	2 of	8	Pages
(1)		S OF REPORTING		OF ABOVE PERSO	ONS (	(entities on	ly).			-
	Rena	issance Techno	logies LLC	26-03857	758					
(2)	CHECK (a) (b)		TE BOX IF A	A MEMBER OF A	GROU	JP (SEE INST	RUCTIO	NS):		-
(3)	SEC U	ISE ONLY								
(4)	CITIZE	NSHIP OR PLACE	OF ORGANIZ	ZATION						-
	Dela	ware								
					(5)	SOLE VOTING	POWER			-
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:				2,848,887					
					(6)	SHARED VOTI	NG POW	ER		
						0				_
					(7)	SOLE DISPO	SITIVE	POW	ER	

3,199,934

# (8) SHARED DISPOSITIVE POWER

65,667

(9)	AGGREGATE AMOUNT BENEFICIA	ALLY OWNED BY EACH	I REF	ORTING PERSON	
	3	3,265,601			
(10)	CHECK BOX IF THE AGGREGATE (SEE INSTRUCTIONS)		) EX		
(11)	PERCENT OF CLASS REPRESEN		ROW	(9)	
		5.51 %			
(12)	TYPE OF REPORTING PERSON ( IA	(SEE INSTRUCTIONS)	)		
:		Page 2 of 8 page			
		Page 3 of 8 page			
	IP NO. 00847L100	13G		Page 3 of 8 Pages	
(1)	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS	6.	NS (E	NTITIES ONLY).	
	RENAISSANCE TECHNOLOGIES H	OLDINGS CORPORATI	EON	13-3127734	
(2)	CHECK THE APPROPRIATE BOX (a) [_] (b) [_]	IF A MEMBER OF A	GROL	P (SEE INSTRUCTIONS)	
(3)	SEC USE ONLY				
(4)	CITIZENSHIP OR PLACE OF ORG	GANIZATION			
	Delaware				
	SOLE VOTING POWER				
	NUMBER OF SHARES BENEFICIALLY OWNED			2,848,887	
BY EACH REPORTING PERSON WITH:			(6) SHARED VOTING POWER		
				0	
			(7)	SOLE DISPOSITIVE POWER	
				3,199,934	
			(8)	SHARED DISPOSITIVE POWER	
				65,667	
(9)	AGGREGATE AMOUNT BENEFICIA				
(3)					
(10)	CHECK BOX IF THE AGGREGATE (SEE INSTRUCTIONS)		) EX	CLUDES CERTAIN SHARES	
	[_]				
(11)	PERCENT OF CLASS REPRESEN		ROW	(9)	
(12)	TYPE OF REPORTING PERSON (	(SEE INSTRUCTIONS) HC	)		
====:		Page 3 of 8 page	es =====		

CUSIP NO. 00847L100 13G Page 4 or Item 1. (a) Name of Issuer Agile Therapeutics, Inc. (b) Address of Issuer's Principal Executive Offices. 101 Poor Farm Road, Princeton, New Jersey 08540 Item 2. (a) Name of Person Filing: This Schedule 13G is being filed by Renaissance Technologies I ("RTC") and Renaissance Technologies Holdings Corporation ("RTC") (b) Address of Principal Business Office or, if none, Residence. The principal business address of the reporting persons is: 800 Third Avenue New York, New York 10022 (c) Citizenship.	LLC
<ul> <li>(a) Name of Issuer <ul> <li>Agile Therapeutics, Inc.</li> </ul> </li> <li>(b) Address of Issuer's Principal Executive Offices. <ul> <li>101 Poor Farm Road, Princeton, New Jersey 08540</li> </ul> </li> <li>Item 2. <ul> <li>(a) Name of Person Filing: <ul> <li>This Schedule 13G is being filed by Renaissance Technologies I ("RTC") and Renaissance Technologies Holdings Corporation ("R"</li> <li>(b) Address of Principal Business Office or, if none, Residence.</li> <li>The principal business address of the reporting persons is:</li> <li>800 Third Avenue</li> <li>New York, New York 10022</li> </ul> </li> </ul></li></ul>	
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800 Third Avenue New York, New York 10022	
New York, New York 10022	
(c) Citizenship.	
RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.	
(d) Title of Class of Securities.	
Common stock, par value \$0.0001 per share	
(e) CUSIP Number.	
00847L100	
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Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2 or (c),check whether the person filing is a:	
<ul> <li>(a) [_] Broker or dealer registered under section 15 of the Act.</li> <li>(b) [_] Bank as defined in section 3(a)(6) of the Act.</li> <li>(c) [_] Insurance Company as defined in section 3(a)(19) of the Act.</li> <li>(d) [_] Investment Company registered under section 8 of the Investment Company Act.</li> </ul>	nt
<pre>(e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii) (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1(b)(1)(ii)(F).</pre>	(E).
<pre>(g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1 (h) [_] A savings associations as defined in Section 3(b) of the Feder Deposit Insurance Act.</pre>	
<ul> <li>(i) [_] A church plan that is excluded from the definition of an investigation of the investment company and the investment Company Act (j) [_] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).</li> </ul>	
Item 4. Ownership.	
(a) Amount beneficially owned.	
RTC: 3,265,601 shares RTHC: 3,265,601 shares, comprising the shares beneficia	ally owned
by RTHC, because of RTHC's majority ownership	
(b) Percent of Class.	
RTC: 5.51 % RTHC: 5.51 %	
(c) Number of shares as to which the person has:	
(i) sole power to vote or to direct the vote:	

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

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

RTC: 3,199,934 RTHC: 3,199,934

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

RTC: 65,667 RTHC: 65,667

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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, par value \$0.0001 per share of Agile Therapeutics, 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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