FONAR CORP Form SC 13G/A February 13, 2019

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

FONAR CORPORA	TION			
(Name of Issuer)				
Common Stock, par val	ue \$.0001			
(Title of Class of Securitie	es)			
344437405				
(CUSIP Number) December 31,	2018			
(Date of Event Which Requires Filing	of this Statement)			
Check the appropriate box to designate the rule pursu Schedule is filed:	ant to which this			
[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 covideemed to be "filed" for the purpose of Section 18 of Act of 1934 ("Act") or otherwise subject to the liabit of the Act but shall be subject to all other provisionsee the Notes).	the Securities Exchange lities of that section			
CUSIP NO. 344437405 13G	Page 2 of 8 Pages			
(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (e	entities only).			
Renaissance Technologies LLC 26-0385758				
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [_]	(SEE INSTRUCTIONS):			

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF C	DRGANIZATION		
	Delaware 			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:		(5)	SOLE VOTING POWER	
			480,016	
		(6)	CHAPER WATING DOWER	
	PERSON WIIN:		(6)	SHARED VOTING POWER
			0	
			(7)	SOLE DISPOSITIVE POWER
				480,016
			(8)	SHARED DISPOSITIVE POWER
				11,500
(9)	AGGREGATE AMOUNT BENEFIC	CIALLY OWNED BY EAC	CH RE	PORTING PERSON
		491 , 516		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
	(SEE INSTRUCTIONS)			[_]
(11)	PERCENT OF CLASS REPRES	SENTED BY AMOUNT IN	I ROW	(9)
		7.73 %		
(12)	TYPE OF REPORTING PERSON	N (SEE INSTRUCTIONS	3)	
		Page 2 of 8 pag	res	
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	NAMES OF REPORTING PERSO	DNS.		
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	CION	13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]			
(3)	SEC USE ONLY			

(4) CITIZENSHIP OR PLACE OF ORGANIZATION).
Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	480,016
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	480,016
	(8) SHARED DISPOSITIVE POWER
	11,500
(9) AGGREGATE AMOUNT BENEFICIALLY OWN	ED BY EACH REPORTING PERSON
491,516	
(10) CHECK BOX IF THE AGGREGATE AMOUNT (SEE INSTRUCTIONS) [_]	IN ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESENTED BY A	AMOUNT IN ROW (9)
7.73 %	
(12) TYPE OF REPORTING PERSON (SEE INST	FRUCTIONS)
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Item 1.	
(a) Name of Issuer	
FONAR CORPORATION	
(b) Address of Issuer's Principal I	Executive Offices.
110 Marcus Drive, Melville, Ne	ew York 11747
Item 2.	
(a) Name of Person Filing:	
	led by Renaissance Technologies LLC plogies Holdings Corporation ("RTHC").

(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.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Common Stock, par value \$.0001

(e) CUSIP Number.

344437405

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Item 3. If this statement is filed pursuant to Rule 13d-1 (b) or 13-d-2 (b) or (c), check whether the person filing is a:

- (a) [_] Broker or dealer registered under section 15 of the Act.
- (b) [_] Bank as defined in section 3(a)(6) of the Act.
- (c) [_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b) (1) (ii) (E).
- (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1 (b) (1) (ii) (G).
- (h) $[_]$ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (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.
- (j) [_] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 491,516 shares

RTHC: 491,516 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 7.73 % RTHC: 7.73 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 480,016 RTHC: 480,016

(ii) Shared power to vote or to direct the vote: 0

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

RTC: 480,016 RTHC: 480,016

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

RTC: 11,500 RTHC: 11,500

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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, 2019

Renaissance Technologies LLC

By: /s/ Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber 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 \$.0001 of FONAR CORPORATION.

Date: February 12, 2019

Renaissance Technologies LLC

By: /s/ Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

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