CUTERA INC
Form SC 13G/A
February 11, 2016

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

SCHEDULE 13G

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

Cutera, Inc.

(Name of Issuer)

common stock

(Title of Class of Securities)

232109108

(CUSIP Number)
December 31, 2015

(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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(1) NAMES OF REPORTING PERSONS.
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only).

Renaissance Technologies LLC 26-0385758
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(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

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	
	(5) SOLE VOTING POWER 970,031
	(6) SHARED VOTING POWER 0
	(7) SOLE DISPOSITIVE POWER 984,355
	(8) SHARED DISPOSITIVE POWER 9,476

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

993,831

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) [_]

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

7.69 %

(12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
IA

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(1) NAMES OF REPORTING PERSONS.
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).

RENAISSANCE TECHNOLOGIES HOLDINGS CORPORATION 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

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	
	(5) SOLE VOTING POWER 970,031
	(6) SHARED VOTING POWER 0
	(7) SOLE DISPOSITIVE POWER 984,355
	(8) SHARED DISPOSITIVE POWER 9,476

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

993,831

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

[_]

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

7.69 %

(12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

HC

Item 1.

(a) Name of Issuer

Cutera, Inc.

(b) Address of Issuer's Principal Executive Offices.

3240 Bayshore Blvd., Brisbane, California 94005

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:

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

(e) CUSIP Number.

232109108

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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: 993,831 shares
RTHC: 993,831 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 7.69 %
RTHC: 7.69 %

(c) Number of shares as to which the person has:

(i) sole power to vote or to direct the vote:

RTC: 970,031
RTHC: 970,031

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

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

RTC: 984,355
RTHC: 984,355

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

RTC: 9,476
RTHC: 9,476

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

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 11, 2016

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: 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 of
Cutera, Inc.

Date: February 11, 2016

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber
Vice President