ICU MEDICAL INC/DE Form SC 13G February 12, 2016

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

		ICU MEDICAL, INC.	
	(Name	of Issuer)	
	Common	stock	
	(Title of Clas	ss of Securities)	
		44930G107	
	(CUSIP	Number) October 15, 2015	
	(Date of Event Which Re	equires Filing of this St	tatement)
	the appropriate box to designate le is filed:	the rule pursuant to wh	ich this
[>	K] Rule 13d-1(b)		
[_	_] Rule 13d-1(c)		
[_	_] Rule 13d-1(d)		
initia and fo	emainder of this cover page shall al filing on this form with respo or any subsequent amendment conta isclosures provided in a prior co	ect to the subject class aining information which	of securities,
deemed Act of of the	formation required in the remaind to be "filed" for the purpose of 1934 ("Act") or otherwise subject Act but shall be subject to all the Notes).	f Section 18 of the Secur ct to the liabilities of	rities Exchange that section
CUSIP 1	NO. 44930G107	13G	 Page 2 of 8 Pages
(1) N	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF A	BOVE PERSONS (entities or	nly).
F	Renaissance Technologies LLC	26-0385758	
	HECK THE APPROPRIATE BOX IF A MEN (a) [_]	MBER OF A GROUP (SEE INS	TRUCTIONS):

	(b) [_]				
(3)	SEC USE ONLY				
(4)	CITIZENSHIP OR PLACE OF O	RGANIZATION			
	Delaware 				
	NUMBER OF SHARES BENEFICIALLY OWNED		(5)	SOLE VOTING POWER	
				722,205	
	BY EACH REPORTING PERSON WITH:	(6)	SHARED VOTING POWER		
			0		
			(7)	SOLE DISPOSITIVE POWER	
				762,185	
			(8)	SHARED DISPOSITIVE POWER	
				50,615	
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
		812,800			
(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)				
		5.05 %			
(12)	TYPE OF REPORTING PERSON	(SEE INSTRUCTIONS)		
		Page 2 of 8 page	es		
====				=======================================	
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(1)	NAMES OF REPORTING PERSO	NS.			
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]				
(3)	SEC USE ONLY				

Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	722,205
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	762,185
	(8) SHARED DISPOSITIVE POWER
	50,615
(9) AGGREGATE AMOUNT BENEFICIALLY OWNE	D BY EACH REPORTING PERSON
812 , 800	
(10) CHECK BOX IF THE AGGREGATE AMOUNT (SEE INSTRUCTIONS) [_]	IN ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESENTED BY A	MOUNT IN ROW (9)
5.05 %	
(12) TYPE OF REPORTING PERSON (SEE INST	PRUCTIONS)
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CUSIP NO. 44930G107	13G Page 4 of 8 Page
tem 1.	
(a) Name of Issuer	
ICU MEDICAL, INC.	
(b) Address of Issuer's Principal E	xecutive Offices.
951 Calle Amanecer, San Clemen	te, California 92673
tem 2.	
(a) Name of Person Filing:	
	ed by Renaissance Technologies LLC logies 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.

44930G107

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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: 812,800 shares

RTHC: 812,800 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 5.05 % RTHC: 5.05 %

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

RTC: 722,205 RTHC: 722,205

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

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

RTC: 762,185 RTHC: 762,185

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

RTC: 50,615 RTHC: 50,615

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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 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 ICU MEDICAL, INC.

Date: February 11, 2016

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

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