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

SCHEDULE 13G

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

		DELCATH SYSTEMS,	INC.
		(Name of Issuer)	
		common stock, \$0.01 par v	value
	(Title	of Class of Securities)	
		24661P609	
		(CUSIP Number) December 29, 2017	
	(Date of Event N	Which Requires Filing of t	his Statement)
	the appropriate box to des ule is filed:	signate the rule pursuant	to which this
[X] Rule 13d-1(b)			
	[_] Rule 13d-1(c)		
	[_] Rule 13d-1(d)		
init and	remainder of this cover paginal filing on this form with for any subsequent amendment disclosures provided in a p	th respect to the subject nt containing information	class of securities,
deeme Act o	nformation required in the ed to be "filed" for the pure for 1934 ("Act") or otherwise to Act but shall be subject.	rpose of Section 18 of the e subject to the liabiliti	e Securities Exchange Les of that section
	the Notes).	to all other provisions o	
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(10) CHECK BOX IF THE AGGREGATE AMOUNT IN (SEE INSTRUCTIONS)	ROW (9) EXCLUDES CERTAIN SHARES	
·	[_]	
(11) PERCENT OF CLASS REPRESENTED BY AMOU		
0.00 %		
12) TYPE OF REPORTING PERSON (SEE INSTRUC	CTIONS)	
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(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE		
RENAISSANCE TECHNOLOGIES HOLDINGS CO	RPORATION 13-3127734	
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]		
S) SEC USE ONLY		
(4) CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	(5) SOLE VOTING POWER	
NUMBER OF SHARES	0	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER	
PERSON WITH.		
	<u> </u>	
	(7) SOLE DISPOSITIVE POWER	
	0	
	(8) SHARED DISPOSITIVE POWER	
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(12) TYPE OF REPORTING PERSON (SEE INSTRUC HC	CTIONS)	
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(8) SHARED DISPOSITIVE POWER

CUSIP NO. 24661P609 13G Page 4 of 8 Pages Item 1. (a) Name of Issuer DELCATH SYSTEMS, INC. (b) Address of Issuer's Principal Executive Offices. 1633 Broadway, Suite 22C, New York, NY 10019 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, \$0.01 par value (e) CUSIP Number. 24661P609 Page 4 of 8 pages 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. (p) [-] Bank as defined in section 3(a)(6) of the Act. (c) [_] Insurance Company as defined in section 3(a)(19) of the Act. Investment Company registered under section 8 of the Investment (d) [_] Company Act. Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E). (e) [x] Employee Benefit Plan or Endowment Fund in accordance with (f) [_] Sec. 240.13d-1(b)(1)(ii)(F). Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G). (g) [. A savings associations as defined in Section 3(b) of the Federal (h) [_] Deposit Insurance Act. A church plan that is excluded from the definition of an investment (i) [_] company under section 3(c)(14) of the Investment Company Act of 1940. Group, in accordance with Sec. 240.13d-1(b)(1)(ii)(J). Item 4. Ownership. (a) Amount beneficially owned. RTC: 0 shares, comprising the shares beneficially owned RTHC: 0 by RTHC, because of RTHC's majority ownership of RTC. (b) Percent of Class. 0.00 % RTC: RTHC: 0.00 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote: RTC: RTHC: 0

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

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

RTC: 0 RTHC: 0

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

RTC: 0 RTHC: 0

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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: [X]

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 13, 2018

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, \$0.01 par value of DELCATH SYSTEMS, INC.

Date: February 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

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