DELCATH SYSTEMS, INC. Form 424B3 October 15, 2015

Filed Pursuant to Rule 424(b)(3)

Registration Statement No. 333-204979

Prospectus Supplement No. 5

(to Prospectus dated July 16, 2015)

DELCATH SYSTEMS, INC.

9,350,000 Units

Consisting of 9,350,000 Shares of Common Stock

and

7,012,500 Series A Warrants to Purchase 7,012,500 Shares

of Common Stock

and

9,350,000 Series B Warrants to Purchase 9,350,000 Shares of

Common Stock and 7,012,500 Series A Warrants

This prospectus amends and supplements the prospectus dated July 16, 2015 (the Prospectus), which forms a part of our Registration Statement on Form S-1 (Registration Statement No. 333-204979). This prospectus supplement is being filed to update and supplement the information included or incorporated by reference in the prospectus with the information contained in our Current Report on Form 8-K, filed with the Securities and Exchange Commission on October 15, 2015 (the Form 8-K). Accordingly, we have attached the Form 8-K to this prospectus supplement.

The prospectus and this prospectus supplement relate to the issuance of shares of our common stock and Series A Warrants upon the exercise of Series A Warrants and Series B Warrants issued in connection with our offering of units consisting of common stock, Series A Warrants and Series B Warrants on July 16, 2015.

Our common stock is traded on The Nasdaq Capital Market under the symbol DCTH . Neither series of warrants will trade on The Nasdaq Capital Market or any other securities exchange or trading market. On October 14, 2015, the closing price for a share of our common stock on The Nasdaq Capital Market was \$0.56 per share.

Investing in our Common Stock involves risks. See Risk Factors beginning on page 9 of the Prospectus to read about factors you should consider before you make your investment decision.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this Prospectus Supplement No. 5 is October 15, 2015

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the

Securities Exchange Act of 1934

Date of report (Date of earliest event reported): October 9, 2015

Delcath Systems, Inc.

(Exact Name of Registrant Specified in Charter)

Delaware (State or Other 001-16133 (Commission File

Number)

06-1245881 (I.R.S. Employer

Identification No.)

Incorporation)

Jurisdiction of

1301 Avenue of the Americas, 43rd Floor
New York, New York10019(Address of Principal Executive Offices)
Registrant s telephone number, including area code: (212) 489-2100(Zip Code)

Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

As previously announced, Dr. Roger G. Stoll, Ph.D., previously the Executive Chairman of the Board of Directors of Delcath Systems, Inc. (the Company), was named Chairman of the Board effective October 1, 2015. On October 9, 2015, in connection with the determination to change Dr. Stoll s designation, the Board of Directors of the Company (the Board) unanimously approved Dr. Stoll s annual retainer fee as Chairman of the Board to be modified to \$68,000, effective October 1, 2015, and in the future he will be entitled to receive such equity compensation as non-executive Board members pursuant to the Company s 2009 Stock Incentive Plan.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned hereunto duly authorized.

DELCATH SYSTEMS, INC.

Date: October 15, 2015

By: /s/ Jennifer K. Simpson Jennifer K. Simpson Director, President and Chief Executive Officer