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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

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**FORM 8-K**

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**CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934**

**Date of report (Date of earliest event reported): January 23, 2018**

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**RXi PHARMACEUTICALS  
CORPORATION**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**001-36304**  
(Commission  
File Number)

**45-3215903**  
(I.R.S. Employer  
Identification No.)

**257 Simarano Drive, Suite 101  
Marlborough, Massachusetts 01752**  
(Address of Principal Executive Offices) (Zip Code)

**Registrant's telephone number, including area code: (508) 767-3861**

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Indicate by check mark whether the registrant is an emerging growth company as defined in as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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 (see General Instruction A.2. below):

- 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))

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**Item 8.01 Other Events.**

On January 23, 2018, RXi Pharmaceuticals Corporation (the “Company”) received written notice (the “Notification Letter”) from the Nasdaq Stock Market, LLC notifying the Company that it had regained compliance with the minimum bid price requirement set forth in Nasdaq Listing Rule 5550(a)(2) for continued listing on The Nasdaq Capital Market. The Notification Letter was sent following the implementation of a one-for-ten reverse split of the Company’s common stock (the “Reverse Split”), which became effective on January 8, 2018. Additional information regarding the Reverse Split can be found in the Company’s Current Report on Form 8-K filed on January 5, 2018.

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**SIGNATURES**

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.

RXi PHARMACEUTICALS CORPORATION

Date: January 24, 2018

By: /s/ Geert Cauwenbergh  
Geert Cauwenbergh, Dr. Med. Sc.  
Chief Executive Officer