

RespireRx Pharmaceuticals Inc.
Form 8-K
December 15, 2016

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 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): December 15, 2016

RESPIRERX PHARMACEUTICALS INC.

(Exact name of registrant as specified in its charter)

| | | |
|---|-------------------------------------|--|
| Delaware | 1-16467 | 33-0303583 |
| (State or other jurisdiction of incorporation) | (Commission File Number) | (I.R.S Employer Identification No.) |

126 Valley Road, Suite C

07452

Glen Rock, New Jersey
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (201) 444-4947

(Former name or former address, if changed since last report.)

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 7.01 Regulation FD Disclosure.

On December 15, 2016, RespireRx Pharmaceuticals Inc. (the “Company”) issued a press release announcing analysis of safety and efficacy data from a Phase 2A clinical trial of the Company’s proprietary ampakine compound, CX1739, that was recently concluded at the Duke Clinical Research Unit of the Duke Clinical Research Institute. The press release is attached as exhibit 99.1 to this Current Report on Form 8-K.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

A list of exhibits required to be filed as part of this report is set forth in the Exhibit Index, which is presented elsewhere in this document, and is incorporated herein by reference.

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.

RESPIRERX PHARMACEUTICALS

Date: December 15, 2016 INC.

By: */s/ James S. Manuso*

James S. J. Manuso

President and Chief Executive Officer

EXHIBIT INDEX

| Exhibit Number | Exhibit Description |
|---------------------------|----------------------------|
|---------------------------|----------------------------|

| | |
|------|--|
| 99.1 | Press Release dated December 15, 2016* |
|------|--|

* Furnished herewith.

