
**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): February 27, 2019

RESPIRERX PHARMACEUTICALS INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

1-16467
(Commission
File Number)

33-0303583
(I.R.S Employer
Identification No.)

126 Valley Road, Suite C
Glen Rock, New Jersey
(Address of principal executive offices)

07452
(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))

Indicate by check mark whether the registrant is an emerging growth company 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.

Item 1.01 Entry into a Material Definitive Agreement.

December 2018 and January 2019 Issuances of Convertible Promissory Notes and Warrants

As was disclosed on the Company's Current Report on Form 8-K on December 17, 2018, (i) the Board of Directors of RespireRx Pharmaceuticals Inc. (the "Company") approved the issuance of convertible promissory notes (each a "December/January Note" and together, the "December/January Notes"), for up to, in the aggregate, no more than \$150,000 of principal amount as well as associated warrants (each a "December/January Warrant" and together, the "December/January Warrants"), on December 6, 2018; and (ii) pursuant to this approval, the Company issued December/January Notes to two stockholders of the Company on December 6, 2018 and December 7, 2018 in an aggregate amount of \$55,000, as well as December/January Warrants.

On December 28, 2018 and January 2, 2019, a stockholder of the Company (the "December/January Lender") loaned the Company \$25,000 and \$10,000, respectively, each in return for a December/January Note and a December/January Warrant. The proceeds of the loans will be used for general corporate purposes.

Each December/January Note was payable on February 28, 2019, and bears interest at a rate equal to 10% per annum, with any accrued but unpaid interest added to the principal amount at the end of each year that the balance is outstanding.

Each December/January Warrant is a common stock purchase warrant, to purchase up to 45,000, 10,000, 25,000 and 10,000 shares, respectively, of the Company's common stock, par value \$0.001, from the date of issuance until December 30, 2023, at an exercise price of \$1.50 per share of common stock.

The December/January Lender has the right, but not the obligation, to convert any outstanding principal and accrued interest in connection with the December/January Notes into the first closing of the next board-approved, exempt private offering of the Company's securities. Upon such conversion, the December/January Notes would be deemed repaid and terminated, and the December/January Lender would be entitled to retain any associated December/January Warrants.

This description of the December/January Notes, including the December/January Warrants, does not purport to be complete and is qualified in its entirety by reference to the form of Note (including the Form of Warrant attached as Exhibit A thereto), which is included as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

February 2019 Issuance of Convertible Promissory Notes and Warrants

On February 22, 2019, the Board of Directors of the Company approved the issuance of additional convertible promissory notes (each a “February Note” and together, the “February Notes”), for up to, in the aggregate, no more than \$275,000 of principal amount inclusive of the December/January Notes, as well as associated warrants (each a “February Warrant” and together, the “February Warrants”).

On February 27, 2019, two stockholders of the Company (each, a “February Lender” and together, the “February Lenders”) loaned the Company \$50,000 and \$20,000, respectively, each in return for a February Note and a February Warrant. The proceeds of the loans will be used for general corporate purposes.

Each February Note will be payable on April 30, 2019, and bear interest at a rate equal to 10% per annum, with any accrued but unpaid interest added to the principal amount at the end of each year that the balance is outstanding.

Each February Warrant is a common stock purchase warrant, to purchase up to 50,000 and 20,000 shares, respectively, of the Company’s common stock, par value \$0.001, from the date of issuance until December 30, 2023, at an exercise price of \$1.50 per share of common stock.

Each February Lender has the right, but not the obligation, to convert any outstanding principal and accrued interest in connection with each respective February Note into the first closing of the next board-approved, exempt private offering of the Company’s securities. Upon each such conversion, such February Note would be deemed repaid and terminated, and such February Lender would be entitled to retain any associated February Warrants.

This description of the February Notes, including the February Warrants, does not purport to be complete and is qualified in its entirety by reference to the form of Note (including the Form of Warrant attached as Exhibit A thereto), which is included as Exhibit 99.2 to this Current Report on Form 8-K and is incorporated herein by reference.

Item 2.03 Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant.

The information provided in Item 1.01 of this Current Report on Form 8-K is incorporated by reference into this Item 2.03.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

A list of exhibits that are furnished and 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.

EXHIBIT INDEX

Exhibit Number	Exhibit Description
99.1	Form of Convertible Promissory Note (including the Form of Warrant) (incorporated by reference to the Company's Current Report on Form 8-K (file no. 1-16467) filed December 17, 2018).
99.2*	Form of Convertible Promissory Note (including the Form of Warrant).

* filed herewith.

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.

Date: March 5, 2019

RESPIRERX PHARMACEUTICALS INC.
(Registrant)

By: /s/ Jeff E. Margolis
Jeff E. Margolis
SVP, CFO, Secretary and Treasurer

CONVERTIBLE PROMISSORY NOTE

[\$xxx]

February [xx], 2019

FOR VALUE RECEIVED, **RESPIRERX PHARMACEUTICALS INC.**, a Delaware corporation (“RespireRx” or the “**Borrower**”), with a mailing address at 126 Valley Road, Suite C, Glen Rock, New Jersey 07452, hereby promises to pay, unless previously converted, on the earlier of the business day following the first closing of the next exempt private securities offering of RespireRx, or, if not converted or repaid earlier, then on April 30, 2019 (the “**Final Maturity Date**”), and to the order of [name] (the “**Lender**”), with an address of [address], or at such other place as the holder hereof may designate in writing, the principal sum of [dollar amount in words] Dollars (\$[xxx]), together with interest thereon at the interest rate as set forth herein (the “**Loan**”). The Lender’s books and records as to amounts due under this Note shall be conclusive absent manifest error.

Principal and Interest. Principal and accrued interest thereon shall be immediately due and payable on April 30, 2019. Interest shall accrue on the outstanding principal amount at a rate equal to 10% per annum. Interest shall be calculated on the basis of the actual number of days elapsed and a year of 360 days. Any accrued but unpaid interest shall be added to the principal balance on the anniversary date of the Loan each year that the principal is outstanding and unpaid.

Payments; Prepayments

(a) Payment, when paid, shall be applied first to the payment of all interest accrued and unpaid on this Note and then to payment on account of the principal hereof.

(b) This Note may be prepaid in whole or in part at any time, without premium or penalty. Each prepayment must be accompanied by a written notice of such prepayment indicating the amount of such payment to be applied as a prepayment of principal.

(c) For clarity, Lender shall be entitled to retain the warrants described below, issued in connection with the Loan if the Loan is repaid.

Conversion

Lender shall have the right, but not the obligation to convert the principal and accrued interest of the Loan, into the first closing of the next exempt private securities offering of RespireRx and if so converted, the loan shall be deemed cancelled, repaid or otherwise deemed null and void and Lender shall become an investor in such offering and shall receive the securities being offered in such offering. For clarity, Lender shall be entitled to retain the warrants described below, issued in connection with the Loan if the Loan is converted.

Warrants

Lender shall be entitled to receive, upon the making of the Loan, a common stock purchase warrant to purchase up to [number necessary to be 100% warrant coverage] shares of RespireRx’s common stock, par value \$0.001, for a period of five years from the date of issuance of the warrant, at an exercise price of \$1.50 per share of common stock. The warrant shall be substantially in the form attached hereto as Exhibit A.

Default. If the Borrower fails to make any payment when the same shall become due and payable, then the holder of this Note may declare the unpaid principal balance under this Note to be immediately due and payable and thereupon such balance shall become due and payable without presentation, protest or further demand or notice of any kind, all of which are hereby expressly waived, and the holder of this Note shall be entitled to receive, to the extent lawful, all costs, including reasonable attorney's fees and expenses, for the collection of such amounts, and, as penalty, 10% of the amount of principal plus accrued interest outstanding at the time of the notice of default. Interest shall continue to accrue from the date of the notice of default until all amounts including principal, interest, costs and any penalties are paid.

Time is of the Essence. *Time is of the essence with respect to each and every term and provision of this Note.*

Waiver. The Borrower hereby waives, unless otherwise provided for in this Note, demand, notice of presentment, protest, notice of dishonor and protest, rights or extension and any defense by reason of extension of time or other indulgences granted by the Lender.

Notices. Any notice, presentation or demand to or upon the Borrower in respect of this Note may be given or made by being mailed by registered or certified mail addressed to the Borrower at the address first written above or, if any other address shall at any time be designated for this purpose by the Borrower in writing to the holder of this Note at the time of such notice, to such other address. Notice shall be deemed received three (3) days after posting the same. Notice may also be given by hand-delivery.

Costs and Expenses.

(a) If the Lender retains the services of legal counsel in order to enforce any remedy available to the Lender under any document or instrument evidencing or securing the Loan, attorney's fees which are reasonable and actually incurred by the Lender shall be payable on demand by the Borrower to the Lender, and the Borrower shall also pay on demand the cost of any and all other costs reasonably incurred by the Lender in connection with proceedings to recover any sums due hereunder. Any such amounts not paid promptly on demand shall be added to the outstanding principal balance of this Note and shall bear interest at the stated interest rate of this Note until paid in full.

(b) Nothing contained herein shall limit or impair the obligation of the Borrower to pay any and all costs and expenses for which the Borrower is otherwise liable to the Lender as provided by law.

Miscellaneous.

(a) Any provision hereof found to be illegal, invalid or unenforceable for any reason whatsoever shall not affect the validity, legality or enforceability of the remaining provisions hereof.

(b) If the effective interest rate on this Note would otherwise violate any applicable usury law, then the interest rate shall be reduced to the maximum permissible rate retroactively to the original date of this Note, and any payment received by the holder in excess of the maximum permissible rate shall be treated as a prepayment of the principal of this Note.

(c) This Note shall inure to the benefit of the Lender and its heirs, estate, personal representatives and legal guardians, endorsees and assigns. This Note may not be assigned by either the Borrower or the Lender without the prior written consent of the other party.

(d) The descriptive headings of this Note are inserted for convenience only and shall not affect the meaning or construction of any of the provisions of this Note.

(e) The terms of this Note may be amended and any rights of the Lender hereunder may be waived only if such amendment or waiver is in writing and is signed by the Lender and the Borrower.

Governing Law. The validity, construction and enforceability of this Note shall be construed in accordance with and governed by the laws of the State of Delaware, excluding rules relating to conflicts of law.

This Note has been duly executed by the Borrower and constitutes a legal, valid and binding obligation of the Borrower, enforceable in accordance with its terms. All covenants and promises in this Note shall bind the successors and permitted assigns of the Borrower.

[Signature Page Follows]

IN WITNESS WHEREOF, the Borrower has duly executed this Convertible Promissory Note effective as of the day and year first above written.

RESPIRERX PHARMACEUTICALS INC.

By: _____
Name: Jeff Eliot Margolis
Title: Senior Vice President, Chief Financial Officer, Treasurer and Secretary

EXHIBIT A
FORM OF WARRANT

NEITHER THIS WARRANT NOR THE SECURITIES ISSUABLE UPON EXERCISE HEREOF HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR ANY APPLICABLE STATE SECURITIES LAW, AND NO INTEREST HEREIN OR THEREIN MAY BE SOLD, DISTRIBUTED, ASSIGNED, OFFERED, PLEDGED OR OTHERWISE TRANSFERRED UNLESS (A) THERE IS AN EFFECTIVE REGISTRATION STATEMENT UNDER SUCH ACT AND APPLICABLE STATE SECURITIES LAWS COVERING ANY SUCH TRANSACTION, (B) THE COMPANY RECEIVES AN OPINION OF COUNSEL FOR THE HOLDER OF SUCH SECURITIES (CONCURRED IN BY COUNSEL FOR THE COMPANY) THAT SUCH TRANSACTION IS EXEMPT FROM REGISTRATION, OR (C) THE COMPANY OTHERWISE SATISFIES ITSELF THAT SUCH TRANSACTION IS EXEMPT FROM REGISTRATION.

WARRANT TO PURCHASE COMMON STOCK

RESPIRERX PHARMACEUTICALS INC.

Warrant Number: []

Initial Exercise Date: [], 20[]

THIS WARRANT TO PURCHASE COMMON STOCK (the "Warrant") certifies that, for value received, [Name] or its/his/her permitted assigns (the "Holder") is entitled, upon the terms and conditions hereof, and subject to the limitations on exercise hereinafter set forth, at any time on or after the date hereof (the "Initial Exercise Date") and on or prior to 5:00 p.m. New York time on December 30, 2023 (the "Termination Date") but not thereafter, to subscribe for and purchase from RespireRx Pharmaceuticals Inc., a Delaware corporation (the "Company"), [number] shares (as subject to adjustment hereunder, the "Warrant Shares") of Common Stock. The purchase price of each share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b), and may be exercised on a cashless basis, as set forth in Section 2(c).

Section 1. Definition. "Common Stock" as used in this Warrant means the common stock of the Company, par value \$0.001.

Section 2. Exercise and Call Provision.

a) Exercise of Warrant. Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on any Business Day (as defined below) on or after the Initial Exercise Date and on or before the Termination Date by delivery to the Company (or such other office or agency of the Company as it may designate by notice in writing to the registered Holder at the address of the Holder appearing on the books of the Company) of a duly completed and executed facsimile or electronic mail copy of the Notice of Exercise form annexed hereto (the “Notice of Exercise”). The Company shall use reasonable best efforts to not affect the exercise of any portion of this Warrant, and the Holder shall not have the right to exercise any portion of this Warrant, pursuant to the terms and conditions of this Warrant and any such exercise shall be null and void and treated as if never made, to the extent that after giving effect to such exercise, the Holder together with any parties with whom or with which the Holder’s ownership interest must be aggregated (“Attribution Parties”), collectively would beneficially own in excess of 4.99% (the “Maximum Percentage”) of the shares of Common Stock outstanding immediately after giving effect to such exercise. For purposes of the foregoing sentence, the aggregate number of shares of Common Stock beneficially owned by the Holder and the other Attribution Parties shall include the number of shares of Common Stock held by the Holder and all other Attribution Parties plus the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude shares of Common Stock which would be issuable upon (A) exercise of the remaining, unexercised portion of this Warrant beneficially owned by the Holder or any of the other Attribution Parties and (B) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company (including, without limitation, any convertible notes or convertible preferred stock or warrants) beneficially owned by the Holder or any other Attribution Party subject to a limitation on conversion or exercise analogous to the limitation contained in this Section 2(a). For purposes of this Section 2(a), beneficial ownership shall be calculated in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the “1934 Act”) and the rules promulgated thereunder. For purposes of determining the number of outstanding shares of Common Stock the Holder may acquire upon the exercise of this Warrant without exceeding the Maximum Percentage, the Holder may rely on the number of outstanding shares of Common Stock as reflected in (x) the Company’s most recent Annual Report on Form 10-K, Quarterly Report on Form 10-Q, Current Report on Form 8-K or other public filing with the SEC, as the case may be, (y) a more recent public announcement by the Company or (z) any other more recent written notice by the Company or the Transfer Agent, if any, setting forth the number of shares of Common Stock outstanding (the “Reported Outstanding Share Number”). If the Company receives a Notice of Exercise from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the Reported Outstanding Share Number, the Company shall (i) notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Notice of Exercise would otherwise cause the Holder’s beneficial ownership, as determined pursuant to this Section 2(a), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of Warrant Shares to be acquired pursuant to such Notice of Exercise (the number of shares by which such purchase is reduced, the “Reduction Shares”) and (ii) as soon as reasonably practicable, the Company shall return to the Holder any exercise price paid by the Holder for the Reduction Shares. For any reason at any time, upon the written or oral request of the Holder, the Company shall within one (1) Business Day (as defined below) confirm orally and in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder and any other Attribution Party since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of shares of Common Stock to the Holder upon exercise of this Warrant results in the Holder and the other Attribution Parties being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the 1934 Act and the rules promulgated thereunder), the number of shares so issued by which the Holder’s and the other Attribution Parties’ aggregate beneficial ownership exceeds the Maximum Percentage (the “Excess Shares”) shall be deemed null and void and shall be cancelled ab initio, and the Holder shall not have the power to vote or to transfer the Excess Shares. As soon as reasonably practicable after the issuance of the Excess Shares has been deemed null and void, (i) the Company shall return to the Holder the exercise price paid by the Holder for the Excess Shares, and (ii) the Holder shall provide any documentation reasonably requested by the Company to effect such cancellation on the records of the Company and its transfer agent. Upon delivery of a written notice to the Company, the Holder may from time to time increase or decrease the Maximum Percentage to any other percentage as specified in such notice; provided that (i) any such increase in the Maximum Percentage will not be effective until the sixty-first (61st) day after such notice is delivered to the Company, and (ii) any such increase or decrease will apply only to the Holder and the other Attribution Parties and not to any other holder of Warrants issued in connection with the Purchase Agreement that is not an Attribution Party of the Holder. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Warrant in excess of the Maximum Percentage shall not be deemed to be beneficially owned by the Holder for any purpose including for purposes of Section 13(d) of the 1934 Act or Rule 16a-1(a)(1) promulgated under the 1934 Act. No prior inability to exercise this Warrant pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of exercisability. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(a) to the extent necessary to correct this paragraph or any portion of this paragraph which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 2(a) or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Warrant. Within three (3) Business Days (as defined below) following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price (as defined below) for the shares specified in the applicable Notice of Exercise by wire transfer in immediately available funds or cashier’s check drawn on a United States bank in immediately available funds. A “Business Day” means any day other than a Saturday or Sunday or any day that national commercial banks in New York City, New York are authorized or required to close or any day that the NASDAQ stock markets or any other nationally recognized stock markets are closed. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Business Days of the date the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares purchased. The Company, either directly or through its representative, shall maintain, or cause to be maintained, records showing the number of Warrant Shares purchased and the date of such purchases, which records shall be deemed to be accurate absent manifest error. The Company shall deliver any objection to any Notice of Exercise within two (2) Business Days of actual receipt of such notice. The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.

b) Exercise Price. The exercise price per share of the Common Stock under this Warrant initially shall be \$1.50 per share, subject to adjustment hereunder (including, without limitation, under Sections 2 and 3 hereof) (as adjusted, the “Exercise Price”).

c) Cashless Exercise. This Warrant may be exercised at any time permitted hereunder, subject to the Limitation set forth in Section 2(a), by means of a “cashless exercise” in which the Holder shall be entitled to receive a certificate for the number of Warrant Shares equal to the quotient obtained by the following formula:

$$\frac{(A-B)*(X)}{(A)}$$

Where:

(A) = the Closing Price on the Trading Day immediately preceding the date of such election (“Trading Day” means any Business Day, or, if the Common Stock of the Company is traded on an exchange, the OTC BB or other quotation system, then any Business Day on which such exchange, the OTC Bulletin Board or quotation system is open for trading the Common Stock of the Company);

(B) = the Exercise Price of this Warrant, as adjusted; and

(X) = the number of Warrant Shares issuable upon exercise of this Warrant in accordance with the terms of this Warrant by means of a cash exercise rather than a cashless exercise.

As used herein, “Closing Price”, shall mean the first of the following clauses that applies: (1) if, at the time of any such calculation, the Common Stock is listed or quoted on the American Stock Exchange, or the New York Stock Exchange, or the NASDAQ Market, the NASDAQ Capital Market or the Archipelago Exchange, or OTC Markets QB or OTX Markets QX, the Closing Price shall be the closing or last sale price reported for the last business day immediately preceding the date of any such calculation; (2) if, at the time of any such calculation, the Common Stock is quoted on the OTC Bulletin Board or listed in the “Pink Sheets” published by the National Quotation Bureau Inc. or a similar agency or organization succeeding to its function or reporting prices, the Closing Price shall be the average of the closing prices reported for the last five (5) days during which the Common Stock actually traded and for which a closing price is available immediately preceding the date of any such calculation, or (3) in all other cases, the Closing Price of a share of Common Stock shall be the price determined by an independent appraiser selected in good faith by the Holder and reasonably acceptable to the Company.

d) Mechanics of Exercise .

i. Delivery of Certificates Upon Exercise . Certificates for shares issuable upon the exercise hereof shall be transmitted by the transfer agent of the Company to the Holder by crediting the account of the Holder's broker with the Depository Trust Company through its Deposit Withdrawal Agent Commission (" DWAC ") system if the Company is a participant in such system and such shares are eligible for legend removal, and otherwise by physical delivery to the address specified by the Holder in the Notice of Exercise on the date that is no more than three (3) Business Days after the latest of (A) the delivery to the Company of the Notice of Exercise, (B) surrender of this Warrant (if required), and (C) payment of the aggregate Exercise Price as set forth above (such date, the " Warrant Share Delivery Date "). The Warrant Shares shall be deemed to have been issued, and Holder or any other person so designated to be named therein shall be deemed to have become a holder of record of such shares for all purposes, upon delivery of Notice of Exercise, irrespective of the date such Warrant Shares are credited to the Holder's DTC account or the date of delivery of the certificates evidencing such Warrant Shares (as the case may be) in the case of a cashless exercise and, if a cash exercise, then subject to payment to the Company of the Exercise Price in good funds by either certified check, wire transfer or other similar payment method and all taxes required to be paid by the Holder, if any, pursuant to Section 2(d)(v) prior to the issuance of such shares, having been paid.

ii. Delivery of New Warrants Upon Exercise . If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant, at the time of delivery of the certificate or certificates representing Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. Rescission Rights . If the Company fails to transmit, or to cause the transfer agent of the Company to transmit, to the Holder a certificate or the certificates representing the Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise.

iv. No Fractional Shares or Scrip . No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share.

v. Charges, Taxes and Expenses . Issuance of certificates for Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such certificate, all of which taxes and expenses shall be paid by the Company, and such certificates shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; provided, however, that in the event certificates for Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto (the " Assignment Form ") duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto.

vi. Closing of Books . The Company will not close its stockholder books or records in any manner that prevents the timely exercise of this Warrant, pursuant to the terms hereof.

vii. Acquisitions. If at any time while this Warrant is outstanding there is an Acquisition (as defined below) in which the Company is not the surviving entity, then the Holder shall receive from any surviving entity or successor to the Company, in exchange for this Warrant, a new warrant in the surviving entity or successor to the Company substantially in the form of this Warrant and with an exercise price adjusted to reflect the nearest equivalent exercise price of common stock (or other applicable equity interest) of the surviving entity that would reflect the economic value of this Warrant, but in the surviving entity. An “Acquisition” shall mean the closing of a merger, share exchange, consolidation, acquisition of all or substantially all of the assets or stock, reorganization or liquidation of the Company that results in the stockholders of the Company immediately prior to such transaction owning less than 50% of the voting capital stock of the Company (or its successor or parent corporation) immediately after the transaction or, in the case of a sale of assets or liquidation, the Company owning after the transaction less than substantially all of the assets owned by the Company prior to the transaction (other than an issuance of equity securities for the primary purpose of raising capital) or any other event that constitutes a “Capital Change” under the Company’s Second Restated Certificate of Incorporation, as it may be amended, restated or otherwise modified from time to time. The Holder shall execute all documentation required to be executed by the Company or the acquirer or successor of the Company in connection with the Acquisition, including, without limitation, escrow, indemnification and other similar agreements. Subject to and to the extent permitted by applicable law, the Company will endeavor to notify the Holder of any proposed Acquisition at least 30 days prior to the date of any Acquisition (or such shorter period as reasonably practicable under the circumstances); provided that the failure to so notify the Holder shall not in any way impair the Acquisition.

e. Call Provision. If at any time prior to the expiration of, or the exercise by the Holder of this Warrant the closing price of Company’s Common Stock closes at \$2.50 or more for five (5) consecutive trading days (the “Trading Price Condition”), the Company shall have the right to call, redeem and cancel this Warrant on the tenth day after written notice by the Company to the Holder and payment to the Holder in cash of \$0.001 per Warrant Share. To effectively exercise this call provision, such written notice of intent to exercise the call provision under this Section 2(e) must be provided by the Company by the close of business on the second trading day following satisfaction of the Trading Price Condition. The Holder may exercise this Warrant on a cash or cashless basis after written notice by the Company, but before the tenth day after such written notice, which exercise shall nullify the Company’s right to call, redeem and cancel this Warrant. Failure by the Company to provide timely notice shall preclude the Company from exercising this call provision with respect to the satisfaction of the Trading Price Condition over that five (5) consecutive trading day period but shall not preclude the Company from exercising this call provision with respect to satisfaction of the Trading Price Condition over any other subsequent five (5) consecutive trading days. The Company may not call, redeem or cancel any portion of this Warrant that may not be exercised during the ten (10) day notification period pursuant to the restrictions on exercise in Section 2(a).

Section 3. Certain Adjustments.

a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant, (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares or (iv) issues by reclassification of shares of the Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

b) Calculations. All calculations under this Section 3 shall be made to the nearest $1/100^{\text{th}}$ of a cent or the nearest $1/100^{\text{th}}$ of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

c) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to this Section 3, the Company shall promptly mail to the Holder a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment.

ii. Notice to Allow Exercise by Holder. If (A) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (B) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, or (C) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, any of the events in Section 3.(c)ii (A), (B) or (C) being an “Event”, then, in each case, the Company shall cause to be mailed to the Holder at its last address as it shall appear upon the Warrant Register (as defined below) of the Company, at least ten (10) calendar days prior to the applicable record or effective date hereinafter specified, a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record shall be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such Event is expected to become effective or close, as applicable, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such Event; provided that the failure to mail such notice or any defect therein or in the mailing thereof shall not affect the validity of the corporate action required to be specified in such notice. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the Event triggering such notice except as may otherwise be expressly set forth herein.

Section 4. Transfer of Warrant.

a) Transferability. Subject to compliance with any applicable securities laws, the conditions set forth in Section 4(d) hereof, and the prior written consent of the Company, this Warrant and all rights hereunder (including, without limitation, any registration rights) are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with an Assignment Form duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the Initial Exercise Date and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

c) Warrant Register. The Company shall, either directly or through its representative, record or cause to be recorded, this Warrant, upon records to be maintained by the Company for that purpose (the "Warrant Register"), in the name of the record Holder hereof from time to time, which Warrant Register shall be deemed to be accurate absent manifest error. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

d) Transfer Restrictions. If, at the time of the surrender of this Warrant in connection with any transfer of this Warrant, the transfer of this Warrant shall not be either (i) registered pursuant to an effective registration statement under the Securities Act and under applicable state securities or blue sky laws or (ii) eligible for resale without volume or manner-of-sale restrictions or current public information requirements pursuant to Rule 144 promulgated under the Securities Act, the Company may require, as a condition of allowing such transfer, that the Holder or transferee of this Warrant satisfy any other reasonable conditions established by the Company, including, without limitation, a legal opinion reasonably acceptable to the Company with respect to such transfer.

e) Representation by the Holder. The Holder, by the acceptance hereof, represents and warrants that it is acquiring this Warrant and, upon any exercise hereof, will acquire the Warrant Shares issuable upon such exercise, for its own account and not with a view to or for distributing or reselling such Warrant Shares or any part thereof in violation of the Securities Act or any applicable state securities law, except pursuant to sales registered or exempted under the Securities Act. The Holder acknowledges that the Warrant Shares will not be registered under the Securities Act of 1933, as amended, or any applicable statute or foreign securities law, and will therefore not be freely transferable.

Section 5. Miscellaneous.

a) No Rights as Stockholder Until Exercise. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i).

b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then, such action may be taken or such right may be exercised on the next succeeding Business Day.

d) Authorized Shares.

The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of executing stock certificates to execute and issue the necessary certificates for the Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the trading market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

Except and to the extent waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or reasonably appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or reasonably appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

e) Jurisdiction. This Warrant is a contract between the Company and the Holder and its terms shall be governed by and construed in accordance with the laws of the State of New York applicable to contracts made and to be performed in the State of New York, without giving effect to any choice or conflict of law provision or rule of that or any other jurisdiction. The Company and each Holder irrevocably consent to the jurisdiction of the United States federal courts and the state courts located in New York City, in any suit or proceeding based on or arising under this Warrant and irrevocably agree that all claims in respect of such suit or proceeding may be determined in such courts. The Company and each Holder irrevocably waives the defense of an inconvenient forum to the maintenance of such suit or proceeding in such forum. The Company further agrees that service of process upon the Company mailed by first class mail shall be deemed in every respect effective service of process upon the Company in any such suit or proceeding. Nothing herein shall affect the right of any Holder to serve process in any other manner permitted by law. The Company agrees that a final non-appealable judgment in any such suit or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on such judgment or in any other lawful manner.

f) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, will have restrictions upon resale imposed by state and federal securities laws.

g) Nonwaiver. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies, notwithstanding the fact that all rights hereunder terminate on the Termination Date.

h) Notices. Any notice, request or other document required or permitted to be given or delivered to the Holder by the Company shall be deemed delivered the day after the date sent if sent by overnight courier, the same day sent if sent by facsimile transmission or email with confirmation of receipt by the Holder, or three (3) days after deposit with the US Postal Service if sent via certified mail or first class mail if sent to the Holder at the address, facsimile number or email address provided by the Holder as of the last date on which Holder communicated in writing such contact information to the Company.

i) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

j) Successors and Assigns. Subject to applicable securities laws, the provisions and limitations of this Warrant, and the prior written consent of the Company, the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. Such successors or permitted assigns of the Holder shall be deemed to be the Holder for all purposes hereunder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares. Nothing herein, express or implied, is intended to or shall confer upon any other person any legal or equitable right, benefit or remedy of any nature whatsoever, under or by reason of this Warrant.

k) Entire Agreement. This Warrant constitutes the sole and entire agreement of the parties to this Warrant with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings and agreements, both written and oral, with respect to such subject matter.

l) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company and the Holder.

m) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

n) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

o) Waiver of Jury Trial. Each party acknowledges and agrees that any controversy which may arise under this Warrant is likely to involve complicated and difficult issues and, therefore, each such party irrevocably and unconditionally waives any right it may have to a trial by jury in respect of any legal action arising out of or relating to this Warrant or the transactions contemplated hereby.

(Signature Page Follows)

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the [] day of [], 20[].

RESPIRERX PHARMACEUTICALS INC.

By: _____

Name: Jeff Eliot Margolis

Title: Senior Vice President, Treasurer and Secretary

AGREED AND ACCEPTED:

[HOLDER]

Signature: _____

Name (print): _____

Address: _____

Email: _____

Facsimile Number: _____

Investor Warrant Signature Page

NOTICE OF EXERCISE

TO: RESPIRERX PHARMACEUTICALS INC.

(1) The undersigned, pursuant to the provisions set forth in the attached Warrant No. _____, hereby irrevocably elects to purchase (*check applicable box*) :

_____ shares of the Common Stock of RespireRx Pharmaceuticals Inc. covered by such Warrant.

(2) The undersigned herewith makes payment of the full purchase price for such shares at the price per share provided for in such Warrant. Such payment takes the form of (*check applicable box or boxes*) :

\$ _____ in lawful money of the United States; and/or

pursuant to Section 2(c) of the Warrant being exercised, the cancellation of such portion of such Warrant as is exercisable for a total of _____ Warrant Shares (using a Closing Price of \$ _____ per share for purposes of this calculation).

(3) Please issue a certificate or certificates representing said Warrant Shares in the name of the undersigned or in such other name as is specified below:

(please print or type name and address)

(please insert social security or other identifying number)

The Warrant Shares shall be delivered to the following:

(please print or type name and address)

and if such number of shares of Common Stock shall not be all the shares evidenced by this Warrant Certificate, that a new Warrant for the balance of such shares be registered in the name of, and delivered to, Holder.

The Warrant Shares shall be delivered to the following DWAC Account Number or by physical delivery of a certificate to:



(4) Accredited Investor. The undersigned is an “accredited investor” as defined in Regulation D promulgated under the Securities Act of 1933, as amended (“Reg D”), or is one of less than 35 non-accredited investors that participated in the exempt private placement pursuant to Rule 506(b) of Reg D.

[SIGNATURE OF HOLDER]

Name of Investing Entity: _____

Signature of Authorized Signatory of Investing Entity : _____

Name of Authorized Signatory: _____

Title of Authorized Signatory: _____

Date: _____

ASSIGNMENT FORM

(To assign the foregoing warrant, execute this form and supply required information. Do not use this form to exercise the warrant.)

FOR VALUE RECEIVED, [____] all of or [_____] shares of the foregoing Warrant and all rights evidenced thereby are hereby assigned to

_____ whose address is

_____.

Dated: _____, _____

Holder's Signature: _____

Holder's Address: _____

Assignee's Signature: _____

Company's Signature: _____

NOTE: The signature to this Assignment Form must correspond with the name as it appears on the face of the Warrant, without alteration or enlargement or any change whatsoever, and must be guaranteed by a bank or trust company. Officers of corporations and those acting in a fiduciary or other representative capacity should file proper evidence of authority to assign the foregoing Warrant.