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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 10-Q**

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934  
For the quarterly period ended **June 30, 2013**

OR

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

For the transition period from \_\_\_\_\_ to

Commission File No.:001-34079

**Rexahn Pharmaceuticals, Inc.**

*(Exact name of registrant as specified in its charter)*

**Delaware**

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

**11-3516358**

*(I.R.S. Employer Identification Number)*

**15245 Shady Grove Road, Suite 455**  
**Rockville, MD 20850**

*(Address of principal executive offices, including zip code)*

**Telephone: (240) 268-5300**

*(Registrant's telephone number, including area code)*

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definition of "accelerated filer," "large accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large Accelerated Filer

Accelerated Filer

Non-Accelerated Filer

Smaller reporting company

(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act) Yes  No

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date: 134,217,939 shares of common stock outstanding as of August 12, 2013.

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**REXAHN PHARMACEUTICALS, INC.**  
**(A Development Stage Company)**  
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**PART I FINANCIAL INFORMATION**  
**Item 1 Financial Statements**  
**REXAHN PHARMACEUTICALS, INC.**  
(A Development Stage Company)  
Condensed Balance Sheet

	<b>June 30,</b>	<b>December</b>
	<b>2013</b>	<b>31, 2012</b>
	<b>(unaudited)</b>	
<b>ASSETS</b>		
<b>Current Assets:</b>		
Cash and cash equivalents	\$ 9,979,347	\$ 13,486,543
Marketable securities (note 3)	100,000	100,000
Prepaid expenses and other current assets (note 4)	390,671	188,808
<b>Total Current Assets</b>	<b>10,470,018</b>	<b>13,775,351</b>
<b>Restricted Cash Equivalents</b> (note 16)	<b>568,879</b>	<b>1,091,801</b>
<b>Equipment, Net</b> (note 6)	<b>35,214</b>	<b>52,156</b>
<b>Total Assets</b>	<b>\$ 11,074,111</b>	<b>\$ 14,919,308</b>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
<b>Current Liabilities:</b>		
Accounts payable and accrued expenses (note 7)	\$ 620,067	\$ 851,837
<b>Deferred Research and Development Arrangements</b> (note 8)	<b>1,243,879</b>	<b>1,626,000</b>
<b>Other Liabilities</b> (note 9)	<b>44,951</b>	<b>65,417</b>
<b>Warrant Liabilities</b> (note 13)	<b>3,662,999</b>	<b>2,842,065</b>
<b>Total Liabilities</b>	<b>5,571,896</b>	<b>5,385,319</b>
<b>Commitments and Contingencies</b> (note 16)		
<b>Stockholders' Equity</b> (note 11):		
Preferred stock, par value \$0.0001, 100,000,000 authorized shares, none issued and outstanding	-	-
Common stock, par value \$0.0001, 500,000,000 authorized shares, 119,819,844 and 119,443,194 issued and 119,805,639 and 119,428,989 outstanding	11,982	11,944
Additional paid-in capital	73,468,781	72,861,738
Accumulated deficit during the development stage	(67,950,138)	(63,311,283)
Treasury stock, 14,205 shares, at cost	(28,410)	(28,410)
<b>Total Stockholders' Equity</b>	<b>5,502,215</b>	<b>9,533,989</b>
<b>Total Liabilities and Stockholders' Equity</b>	<b>\$ 11,074,111</b>	<b>\$ 14,919,308</b>

(See accompanying notes to the condensed financial statements)

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**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)  
Condensed Statement of Operations  
(Unaudited)

	For the Three Months Ended June 30,		For the Six Months Ended June 30,		Cumulative from March 19, 2001 (Inception) to June 30,
	2013	2012	2013	2012	2013
<b>Revenues:</b>					
Research	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Expenses:</b>					
General and administrative	857,946	742,594	2,068,698	1,470,766	32,128,842
Research and development	925,130	1,018,256	1,477,596	2,060,956	36,756,095
Patent fees	121,216	77,373	257,707	179,962	2,789,811
Depreciation and amortization	9,235	10,721	18,551	21,442	701,474
<b>Total Expenses</b>	<b>1,913,527</b>	<b>1,848,944</b>	<b>3,822,552</b>	<b>3,733,126</b>	<b>72,376,222</b>
<b>Loss from Operations</b>	<b>(1,913,527)</b>	<b>(1,848,944)</b>	<b>(3,822,552)</b>	<b>(3,733,126)</b>	<b>(72,376,222)</b>
<b>Other Income (Expense)</b>					
Realized loss on marketable securities	-	-	-	-	(13,301)
Interest income	11,433	4,294	21,451	10,543	1,463,850
Interest expense	-	-	-	-	(301,147)
Other income	-	-	-	-	56,047
Unrealized (loss)/gain on fair value of warrants	(1,206,656)	802,248	(837,754)	540,387	3,502,227
Unrealized gain on fair value of put feature on common stock	-	-	-	-	2,315,539
Financing expense	-	-	-	-	(972,131)
Beneficial conversion feature	-	-	-	-	(1,625,000)
<b>Total Other Income (Expense)</b>	<b>(1,195,223)</b>	<b>806,542</b>	<b>(816,303)</b>	<b>550,930</b>	<b>4,426,084</b>
<b>Loss Before Provision for Income Taxes</b>	<b>(3,108,750)</b>	<b>(1,042,402)</b>	<b>(4,638,855)</b>	<b>(3,182,196)</b>	<b>(67,950,138)</b>
<b>Provision for income taxes</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Net Loss</b>	<b>\$ (3,108,750)</b>	<b>\$ (1,042,402)</b>	<b>\$ (4,638,855)</b>	<b>\$ (3,182,196)</b>	<b>\$ (67,950,138)</b>
Net loss per share, basic and diluted	<b>\$ (0.03)</b>	<b>\$ (0.01)</b>	<b>\$ (0.04)</b>	<b>\$ (0.03)</b>	
Weighted average number of shares outstanding, basic and diluted	<b>119,547,716</b>	<b>95,345,656</b>	<b>119,488,693</b>	<b>95,345,656</b>	

(See accompanying notes to the condensed financial statements)

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Statement of Cash Flows

(Unaudited)

	<b>For the Six Months Ended June 30,</b>		Cumulative From March 19, 2001 (Inception) to June 30, 2013
	<b>2013</b>	<b>2012</b>	<b>2013</b>
<b>Cash Flows from Operating Activities:</b>			
Net loss	\$ (4,638,855)	\$ (3,182,196)	\$(67,950,138)
Adjustments to reconcile net loss to net cash used in operating activities:			
Beneficial conversion feature	-	-	1,625,000
Compensatory stock	137,200	-	2,267,077
Depreciation and amortization	18,551	21,442	701,474
Stock-based compensation	426,322	141,926	6,234,938
Amortization of deferred research and development arrangements	(382,121)	(37,500)	(1,182,121)
Note receivable (Note 5)	-	14,011	-
Realized losses on marketable securities	-	-	13,301
Unrealized loss/(gain) on fair value of warrants	837,754	(540,387)	(3,502,227)
Unrealized gain on fair value of put feature on common stock	-	-	(2,315,539)
Financing expense	-	-	972,131
Amortization of deferred lease incentive	(10,000)	(10,000)	(80,000)
Deferred lease expenses	(10,466)	(8,505)	24,951
Loss on impairment of intangible assets	-	-	286,132
Changes in assets and liabilities:			
Prepaid expenses and other current assets	(201,863)	(734)	(390,671)
Accounts payable and accrued expenses	(231,770)	(294,438)	620,067
<b>Net Cash Used in Operating Activities</b>	<b>(4,055,248)</b>	<b>(3,896,381)</b>	<b>(62,675,625)</b>
<b>Cash Flows from Investing Activities:</b>			
Restricted cash equivalents	522,922	667,874	(568,879)
Purchase of equipment	(1,609)	-	(566,604)
Purchase of marketable securities	-	-	(21,123,960)
Proceeds from sales of marketable securities	-	1,850,000	21,010,659
Payment of licensing fees	-	-	(356,216)
<b>Net Cash Provided by (Used In) Investing Activities</b>	<b>521,313</b>	<b>2,517,874</b>	<b>(1,605,000)</b>
<b>Cash Flows from Financing Activities:</b>			
Issuance of common stock and units, net of issuance costs	-	-	62,934,224
Proceeds from exercise of stock options	-	-	170,082
Proceeds from exercise of stock warrants	26,739	-	3,608,076
Proceeds from long-term debt	-	-	5,150,000
Proceeds from research and development arrangements	-	-	2,426,000
Purchase of treasury stock	-	-	(28,410)
<b>Net Cash Provided by Financing Activities</b>	<b>26,739</b>	<b>-</b>	<b>74,259,972</b>
<b>Net (Decrease) Increase in Cash and Cash Equivalents</b>	<b>(3,507,196)</b>	<b>(1,378,507)</b>	<b>9,979,347</b>
<b>Cash and Cash Equivalents – beginning of period</b>	<b>13,486,543</b>	<b>9,861,488</b>	<b>-</b>
<b>Cash and Cash Equivalents - end of period</b>	<b>\$ 9,979,347</b>	<b>\$ 8,482,981</b>	<b>\$ 9,979,347</b>

(See accompanying notes to the condensed financial statements)

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Statement of Cash Flows (continued)

(Unaudited)

	<b>For the Six Months Ended June 30,</b>		<b>Cumulative From March 19, 2001 (Inception) to June 30, 2013</b>
	<b>2013</b>	<b>2012</b>	
<b>Supplemental Cash Flow Information</b>			
Interest paid	\$ -	\$ -	\$ 301,147
Non-cash financing and investing activities:			
Warrants issued	\$ -	\$ -	\$ 13,691,643
Put feature on common stock issued	\$ -	\$ -	\$ 4,954,738
Dilutive issuances of common stock	\$ -	\$ -	\$ 2,639,199
Warrant liability extinguishment from exercise of warrants	\$ 16,820	\$ -	\$ 6,197,480
Leasehold improvement incentive	\$ -	\$ -	\$ 100,000
Settlement of lawsuit	\$ -	\$ -	\$ 43,953

(See accompanying notes to the condensed financial statements)

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**1. Operations and Organization**

**Operations**

Rexahn Pharmaceuticals, Inc. (the “Company”, “Rexahn Pharmaceuticals”), a Delaware corporation, is a development stage biopharmaceutical company dedicated to the discovery, development and commercialization of innovative treatments for cancer and other medical needs. The Company had an accumulated deficit of \$67,950,138 at June 30, 2013 and anticipates incurring losses through the remainder of fiscal 2013 and beyond. The Company has not yet generated commercial sales revenue and has been able to fund its operating losses to date through the sale of its common stock, warrants exercisable for common stock, issuance of long-term debt, and proceeds from reimbursed research and development costs. The Company believes that its cash, cash equivalents, and marketable securities, including the proceeds received from the registered direct offering as described in Note 18, will be sufficient to cover its cash flow requirements into 2015. Management has the capability of managing the Company’s operations within existing cash available by focusing on select research and development activities, selecting projects in conjunction with potential financings and milestones, and efficient management of its general and administrative affairs.

**Basis of Presentation**

The accompanying unaudited condensed financial statements of the Company have been prepared pursuant to the rules and regulations of the U.S. Securities and Exchange Commission (“SEC”) for interim financial information. Accordingly, they do not include all of the information and footnotes required by accounting principles generally accepted in the United States for complete financial statements. In the opinion of the Company’s management, all adjustments (consisting of only normal recurring accruals) considered necessary for a fair presentation of the Company’s financial position as of June 30, 2013 and December 31, 2012, the results of operations for the three and six months ended June 30, 2013 and 2012, and cash flows for the six months ended June 30, 2013 and 2012 have been included. Operating results for the three and six months ended June 30, 2013 are not necessarily indicative of results that may be expected for any other interim period or the full fiscal year ending December 31, 2013. The accompanying unaudited financial statements should be read in conjunction with the audited financial statements and notes thereto included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2012 (“2012 Form 10-K”). Information included in the condensed balance sheet as of December 31, 2012 has been derived from the Company’s audited financial statements for the year ended December 31, 2012 included in the 2012 Form 10-K.

**Use of Estimates**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. These estimates are based on management’s best knowledge of current events and actions the Company may undertake in the future. Actual results may ultimately differ from those estimates. These estimates are reviewed periodically and as adjustments become necessary, they are reported in earnings in the period in which they become available.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**2. Recent Accounting Pronouncement Affecting the Company**

*Comprehensive Income*

In February, 2013 the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update 2013-02, “*Comprehensive Income: Reporting of Amounts Reclassified Out of Accumulated Other Comprehensive Income*,” to improve the transparency of reporting reclassifications from comprehensive income to net income. The new amendments require that a company must present the effects on line items of net income of significant amounts reclassified out of accumulated other comprehensive income, and additional referencing and disclosure regarding these items. The guidance is effective for the Company for fiscal years and interim periods beginning on or after December 15, 2012. The Company adopted this guidance during the quarter ended March 31, 2013. There was no material impact on the Company’s financial statements due to the adoption of this guidance.

**3. Marketable Securities**

Cost and fair value of the Company’s marketable securities are as follows:

<b>Securities available-for-sale</b>	<b>Cost Basis</b>	<b>Gross Unrealized Gains/(Losses)</b>	<b>Fair Value</b>
<b>June 30, 2013:</b>			
State and municipal obligations	\$ 100,000	\$ -	\$ 100,000
<b>December 31, 2012:</b>			
State and municipal obligations	\$ 100,000	\$ -	\$ 100,000

Amortized cost and fair value at June 30, 2013 by contractual maturity are shown below. Expected maturities will differ from contractual maturities because the Company may redeem certain securities at par.

<b>Maturity</b>	<b>Cost Basis</b>	<b>Fair Value</b>
10 years or more	\$ 100,000	\$ 100,000

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**4. Prepaid Expenses and Other Current Assets**

	<b>June 30, 2013</b>	December 31, 2012
Deposits on contracts	<b>\$ 12,051</b>	\$ 12,818
Other assets	<b>378,620</b>	175,990
	<b><u>\$ 390,671</u></b>	<u>\$ 188,808</u>

Deposits on contracts consist of deposits on research and development contracts for services that had not been incurred as of the balance sheet date. Other assets include prepaid general and administrative expenses, such as insurance and rent.

**5. Note Receivable**

On June 16, 2010, Amarex, LLC (“Amarex”) executed a note payable to the Company in settlement of a contract dispute. The Company settled the case with Amarex for \$100,000 less a balance owed of \$43,953. The principal sum of the note was \$56,047, and is included in other income in the Company’s cumulative statement of operations. Monthly payments of \$2,335 began on September 1, 2010 and continued until August 1, 2012 at which time the balance was paid in full. The note did not bear interest.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**6. Equipment, Net**

	<b>June 30, 2013</b>	December 31, 2012
Furniture and fixtures	\$ 34,200	\$ 34,200
Office equipment	82,683	81,074
Lab and computer equipment	430,261	430,261
Leasehold improvements	119,841	119,841
Total fixed assets	666,985	665,376
Less: Accumulated depreciation	(631,771)	(613,220)
Net carrying amount	<u>\$ 35,214</u>	<u>\$ 52,156</u>

Depreciation expense was \$9,235 and \$10,721 for the three months ended June 30, 2013 and 2012, respectively, and \$18,551 and \$21,442 for the six months ended June 30, 2013 and 2012, respectively.

**7. Accounts Payable and Accrued Expenses**

	<b>June 30, 2013</b>	December 31, 2012
Trade payables	\$ 137,560	\$ 250,682
Accrued expenses	70,488	76,289
Accrued research and development contract costs	295,046	452,577
Payroll liabilities	116,973	72,289
	<u>\$ 620,067</u>	<u>\$ 851,837</u>

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**8. Deferred Research and Development Arrangements**

*Rexgene Biotech Co., Ltd.*

In 2003, the Company entered into a collaborative research agreement with Rexgene Biotech Co., Ltd. (“Rexgene”), a shareholder. Rexgene is engaged in the development of pharmaceutical products in Asia and has agreed to assist the Company with the research, development and clinical trials necessary for registration of the Company’s drug candidate, Archexin, in Asia. This agreement provides Rexgene with exclusive rights to license, sublicense, make, have made, use, sell and import Archexin in Asia. In accordance with the agreement, Rexgene paid the Company a one-time fee of \$1,500,000 in 2003. The agreement terminates at the later of 20 years or the term of the patent. The amortization reduces research and development expenses for the periods presented.

The Company is using 20 years as its basis for recognition and accordingly \$18,750 and \$37,500 reduced research and development expenses for the three and six months ended June 30, 2013 and 2012, respectively. The remaining \$712,500 and \$750,000 at June 30, 2013 and December 31, 2012, respectively, is reflected as in deferred research and development arrangements on the balance sheet.

The contribution is being used in the cooperative funding of the costs of development of Archexin. Royalties of 3% of net sales of licensed products will become payable to the Company on a quarterly basis once commercial sales of Archexin begin in Asia. The product is still under development and commercial sales in Asia are not expected to begin until at least 2014. Under the terms of the agreement, Rexgene does not receive royalties on Company net sales outside of Asia.

*Teva Pharmaceutical Industries, Ltd.*

On September 21, 2009, the Company closed on a securities purchase agreement with Teva Pharmaceutical Industries Limited (“Teva”), under which Teva purchased 3,102,837 shares of our common stock for \$3.5 million. Contemporaneous with the execution and delivery of this agreement, the parties executed a research and exclusive license option agreement (“RELO”) pursuant to which the Company agreed to use \$2,000,000 from the gross proceeds of the issuance and sale of shares to Teva to fund a research and development program for the pre-clinical development of RX-3117. On January 19, 2011, the Company entered into a second amendment to the securities purchase agreement in which Teva purchased 2,334,515 shares of the common stock of the company for gross proceeds of \$3.95 million. On November 27, 2012, the Company and Teva entered into a second amendment to the RELO agreement, pursuant to which Teva provided the Company with an additional \$926,000 of research funding for the development of RX-3117, which was recorded as restricted cash on the Company’s balance sheet. The contribution from the second amendment was recorded in deferred research and development arrangements on the balance sheet, and costs incurred for the development of RX-3117 are paid from restricted cash, and reduce the deferred research and development arrangement and therefore, are not an expense in the Company’s statement of operations. As of June 30, 2013 and December 31, 2012, the Company had proceeds remaining of \$531,379, and \$876,000, respectively, which is included in deferred research and development arrangements on the balance sheet. During the three and six months ended June 30, 2013, \$210,000 and \$344,621 was reduced from the deferred research and development arrangement for costs incurred for the development of RX-3117, respectively.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**9. Other Liabilities**

Deferred Lease Incentive

On June 29, 2009, the Company entered into a five year office lease agreement as disclosed in Note 16. The lessor agreed to grant a leasehold improvement allowance of \$100,000 to the Company to be used for the construction cost of improvements to the leased property, which included architectural and engineering fees, government agency plan check, permit and other fees, sales and use taxes, testing and inspection costs, and telephone and data cabling and wiring in the premises. The Company accounts for the benefit of the leasehold improvement allowance as a reduction of rental expense over the five-year term of the office lease.

The following table sets forth the deferred lease incentive:

	<b>June 30, 2013</b>	December 31, 2012
Deferred lease incentive	\$ 100,000	\$ 100,000
Less accumulated amortization	(80,000)	(70,000)
Balance	<b>\$ 20,000</b>	<b>\$ 30,000</b>

Deferred Office Lease Expense

The office lease agreement, disclosed above, requires an initial annual base rent with annual increases over the next five years. The Company recognizes rental expense on a straight-line basis over the term of the lease, which resulted in a deferred rent liability of \$24,951 and \$35,417 as of June 30, 2013 and December 31, 2012, respectively.

**10. Net Loss per Common Share**

Basic loss per common share is computed by dividing net loss by the weighted average number of common shares outstanding for the period. Diluted loss per common share is also computed by dividing net loss by the weighted average number of common shares outstanding, but also reflects the potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock or resulted from the issuance of common stock that would then share in earnings, and such calculation excludes common shares in treasury. As of June 30 2013 and December 31, 2012, there were stock options and warrants to acquire 31,641,287 and 29,397,937 shares of our common stock, respectively, which are the potentially dilutive securities of the Company.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

**11. Common Stock**

The following transactions occurred from March 19, 2001 (inception) to June 30, 2013:

- a) On May 10, 2001, the Company issued 3,600,000 shares of common stock to the Company's founders for cash of \$1.
- b) On August 10, 2001, the Company issued:
  - i) 1,208,332 shares of common stock to the directors of the Company for cash of \$1,450,000.
  - ii) 958,334 shares of common stock to Rexgene for cash of \$550,000.
  - iii) 360,000 shares of common stock in a private placement to individual investors for cash of \$1,080,000.

These share purchases were negotiated by the parties at various dates prior to the August 10, 2001 share issuance date.

- c) On October 10, 2001, the Company issued 400,000 shares of common stock to Chong Kun Dang Pharmaceutical Corp. ("CKD") for cash of \$479,991 and 400,000 shares of common stock to an individual investor for cash of \$479,991.
- d) On October 10, 2001, the Company issued 200,000 shares of common stock to CKD for cash of \$479,985.
- e) Since inception, the Company's founders have transferred 800,000 shares of the common stock described in a) to officers and directors of the Company.
- f) In July 2003, the stockholders described in b) (iii) and e) transferred an aggregate of 1,268,332 shares of common stock to a voting trust. The trust allows for the unified voting of the stock by the trustees.

The appointed trustees are senior management of the Company who, together with their existing shares, control a majority of the voting power of the Company.

- g) On August 20, 2003, the Company issued 500,000 shares of common stock to KT&G Corporation for cash consideration of \$2,000,000.
- h) On October 29, 2004, an option holder exercised options to purchase shares of common stock for cash of \$1,800 and the Company issued an aggregate of 1,500 shares.
- i) Pursuant to the agreement and plan of merger which occurred on May 13, 2005, (i) each share of the issued and outstanding common stock of Rexahn, Corp ("Rexahn") (other than dissenting shares) was converted into the right to receive five shares of Rexahn Pharmaceuticals common stock; (ii) each issued, outstanding and unexercised option to purchase a share of Rexahn common stock was converted into an option to purchase five shares of Rexahn Pharmaceuticals' common stock and (iii) the par value of Rexahn's common stock was adjusted to reflect the par value of Corporate Road Show Com Inc. ("CRS") common stock. In the acquisition merger, 289,780,000 CRS pre-reverse stock split shares were converted into 2,897,802 post-reverse stock split Rexahn Pharmaceuticals shares, and an additional 500,000 post-reverse stock split Rexahn Pharmaceuticals shares were issued to a former executive of CRS. All shares and earnings per share information have been retroactively restated in these financial statements.
- j) On August 8, 2005, the Company issued, in a transaction exempt from registration under the Securities Act of 1993, as amended, 4,175,000 shares of common stock at a purchase price of \$2.00 per share.
- k) On October 3, 2005, the Company issued 7,000 shares of common stock for \$21,877 and \$7,500 cash in exchange for legal services from W. Rosenstadt and Steve Sanders.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

- l) On December 2, 2005, the holders of a convertible note that was issued on August 8, 2005 and, represented \$1,300,000 aggregate principal amount, exercised their option to convert the entire principal amount of the note into the Company's common stock. Based on a \$2.00 per share conversion price, the holders received an aggregate of 650,000 shares.
- m) On December 27, 2005, option holders exercised options to purchase shares of the Company's common stock for cash of \$9,600 and the Company issued an aggregate of 40,000 shares.
- n) On February 22, 2006, an option holder exercised options to purchase shares of the Company's common stock for cash of \$1,200 and the Company issued an aggregate of 5,000 shares.
- o) On April 12, 2006, an option holder exercised options to purchase shares of the Company's common stock for cash of \$3,409 and the Company issued an aggregate of 14,205 shares. On the same date, the Company agreed to repurchase common stock from the option holder based on the then market price for treasury in exchange for the aggregate purchase price of \$28,410 in cash.
- p) On May 13, 2006, holders of the \$3,850,000 convertible notes issued on February 28, 2005, exercised their rights to convert the entire principal amount of the notes into shares of the Company's common stock. Based on a \$1.00 per share conversion price, the Company issued 3,850,000 shares of common stock in connection with the conversion.
- q) On October 9, 2006, an option holder exercised options to purchase shares of the Company's common stock for cash of \$2,400 and the Company issued an aggregate of 10,000 shares.
- r) On November 19, 2006, an option holder exercised options to purchase shares of the Company's common stock for cash of \$1,800 and the Company issued an aggregate of 7,500 shares.
- s) On December 19, 2006, an option holder exercised options to purchase shares of the Company's common stock for cash of \$6,000 and the Company issued an aggregate of 25,000 shares.
- t) On April 18, 2007, an option holder exercised options to purchase shares of the Company's common stock for cash of \$14,400 and the Company issued an aggregate of 18,000 shares.
- u) On July 23, 2007, an option holder exercised options to purchase shares of the Company's common stock for cash of \$12,000 and the Company issued an aggregate of 15,000 shares.
- v) On September 27, 2007, an option holder exercised options to purchase shares of the Company's common stock for cash of \$15,600 and the Company issued an aggregate of 19,500 shares.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

- w) On December 18, 2007, the Company issued 4,857,159 units at a price \$1.40 per share for total gross proceeds of \$6,800,023. Investors also were issued one warrant for every five shares purchased. One warrant will entitle the holder to purchase an additional share of common stock at a purchase price of \$1.80 at any time over a period of three years from the date of the closing. The Company has recorded the warrants as liabilities at fair value as disclosed in Note 13. Private placement closing costs of \$139,675 were recorded as a reduction of the issuance proceeds. Private placements costs also consist of 107,144 warrants, valued at \$138,326, and were recorded as a financing expense. The Company extended anti-dilutive protection to the investors. The anti-dilution protection provision is structured in a way that is designed to protect a holder's position from being diluted and contains a price protection based on a mathematical calculation, and is recorded as a liability at fair value, as disclosed in Note 14. The Company revalues these liabilities each reporting period, with the unrealized (loss) gain recorded as other income (expense).

A summary of the allocation of the proceeds of the offering is shown below:

Gross Proceeds:	<u>\$ 6,800,023</u>
Allocated to liabilities:	
Warrant liabilities	1,392,476
Less: Warrants allocated to placement agent	(138,326)
Put feature on common stock	<u>4,401,169</u>
Total allocated to liabilities	5,655,319
Allocated to equity:	
Common stock and additional paid-in capital	<u>1,144,704</u>
<b>Total allocated gross proceeds:</b>	<u><b>\$ 6,800,023</b></u>

- x) On December 27, 2007, an option holder exercised options to purchase shares of the Company's common stock for cash of \$18,000 and the Company issued an aggregate of 75,000 shares.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

- y) On March 20, 2008, the Company issued 642,858 units consisting of one share of the Company's common stock and one warrant for every five common shares purchased in a private placement at a price of \$1.40 per unit for total gross proceeds of \$900,001. One warrant will entitle the holder to purchase an additional share of common stock at a price of \$1.80 at any time over a period of three years from the date of the private placement, and is recorded as a liability at fair value. The Company extended anti-dilution protection to investors, and the provision is structured in a way that is designed to protect the holder's position from being diluted and contains a price based on a mathematical computation.

A summary of the allocation of the proceeds of the offering is shown below:

Gross Proceeds:	<u>\$ 900,001</u>
Allocated to liabilities:	
Warrant liabilities	190,917
Put feature on common stock	<u>553,569</u>
Total allocated to liabilities	744,486
Allocated to common stock and additional paid-in capital	<u>155,515</u>
<b>Total allocated gross proceeds:</b>	<u><b>\$ 900,001</b></u>

- z) On May 30, 2008, an option holder exercised options to purchase shares of the Company's common stock for cash of \$7,200 and the Company issued an aggregate of 30,000 shares.
- aa) On June 2, 2008, an option holder exercised options to purchase shares of the Company's common stock for cash of \$12,000 and the Company issued an aggregate of 50,000 shares.
- ab) On June 30, 2008, an option holder exercised options to purchase shares of the Company's common stock for cash of \$12,000 and the Company issued an aggregate of 10,000 shares.

**REXAHN PHARMACEUTICALS, INC.**

(A Development Stage Company)

Notes to Condensed Financial Statements

(Unaudited)

- ac) On June 5, 2009 the Company closed on a purchase agreement to issue 2,857,143 shares of common stock at a price of \$1.05 per share to an institutional investor for total gross proceeds of \$3,000,000 and incurred \$289,090 of stock issuance costs. The investor was also issued:
- 1) Series I warrants to purchase 2,222,222 shares of common stock at a purchase price of \$1.05 per share at any time before September 3, 2009;
  - 2) Series II warrants to purchase 1,866,666 shares of common stock at a purchase price of \$1.25 per share at any time from December 3, 2009 to June 5, 2012; and
  - 3) Series III warrants to purchase 1,555,555 shares of common stock at a purchase price of \$1.50 per share at any time from December 3, 2009 to June 5, 2014.

The closing costs included 142,857 warrants valued at \$122,257 and were recorded as a financing expense. All warrants issued from this purchase agreement are recorded as liabilities at fair value.

The Company incurred a derivative loss upon issuance of these warrants, as the fair value of the warrants at inception was greater than the proceeds received from the investor. The derivative loss was combined with unrealized gains (losses) for the year ended December 31, 2009.

A summary of the allocation of the proceeds of the offering is shown below:

Gross Proceeds:	<u>\$ 3,000,000</u>
Allocated to liabilities:	
Warrant liabilities	3,451,194
Less: Warrants allocated to placement agent	<u>(122,257)</u>
Total allocated to liabilities	3,328,937
Allocated to equity:	
Common stock and additional paid-in capital	-
Allocated to expense:	
Derivative loss at inception	<u>(328,937)</u>
<b>Total allocated gross proceeds:</b>	<u><b>\$ 3,000,000</b></u>

- ad) On June 9, 2009, the Company issued 1,833,341 shares of common stock and 862,246 warrants to purchase common stock at a purchase price of \$1.05 per share to existing stockholders pursuant to the anti-dilution protection provisions of the private placements transacted on December 18, 2007 and March 20, 2008. The fair value of the additional warrants issued was approximately \$422,300.
- ae) On September 4, 2009, an option holder exercised options to purchase shares of the Company's common stock for cash of \$3,600 and the Company issued an aggregate of 15,000 shares.
- af) On September 21, 2009, the Company issued 3,102,837 shares of common stock at a purchase price of \$1.13 per share to an institutional investor for net proceeds of \$3,371,340, which includes \$128,659 of stock issuance costs

- ag) On October 23, 2009, the Company closed on a purchase agreement to issue 6,072,383 shares of common stock at a price of \$0.82 per share to five institutional investors for gross proceeds of \$5,000,000, which includes \$351,928 of stock issuance costs. The investors were also issued warrants to purchase 2,125,334 shares of common stock at a purchase price of \$1.00 per share, exercisable on or after the date of delivery until the five-year anniversary, and were recorded as liabilities at fair value. The closing costs included 245,932 warrants valued at \$101,693 and were recorded as a financing expense.

A summary of the allocation of the proceeds of the offering is shown below:

Gross Proceeds:	<u>\$ 5,000,000</u>
Allocated to liabilities:	
Warrant liabilities	1,114,627
Less: Warrants allocated to placement agent	<u>(101,693)</u>
Total allocated to liabilities	1,012,934
Allocated to equity:	
Common stock and additional paid-in capital	<u>3,987,066</u>
<b>Total allocated gross proceeds:</b>	<u><b>\$ 5,000,000</b></u>

- ah) On October 23, 2009, the Company issued 2,018,143 shares of common stock and 569,502 warrants to purchase common stock at a purchase price of \$0.82 per share to existing stockholders pursuant to anti-dilution protection provisions of the private placements transacted on December 24, 2007 and March 20, 2008. The fair value of the additional warrants issued was approximately \$476,200.
- ai) On February 12, 2010, the Company entered into two consulting agreements pursuant to which the Company issued 300,000 shares of common stock upon the execution of the agreements. Upon the extension of the term, 200,000 shares of common stock for each month will be issued until the termination of services.

The following table lists the issuances of shares by the Company under the consulting agreement:

<b>Date of Issuance</b>	<b>Number of Shares Issued</b>	<b>Market Value Per Share</b>	<b>Total Market Value of Share Issuance</b>
February 12, 2010	300,000	\$ 1.22	\$ 366,000
May 24, 2010	200,000	1.40	280,000
June 15, 2010	200,000	1.15	230,000
August 2, 2010	400,000	1.37	548,000
September 21, 2010	200,000	1.20	240,000
October 21, 2010	200,000	1.16	232,000
November 11, 2010	<u>200,000</u>	1.06	<u>212,000</u>
Total	<u>1,700,000</u>		<u>\$ 2,108,000</u>

The market value of these shares was recorded as an expense and is reflected in general and administrative expenses in the Company's statement of operations. The agreements were terminated by the Company on November 11, 2010.

- aj) In March 2010, warrant holders exercised their warrants to purchase shares of the Company's common stock for cash of \$1,297,001 and the Company issued an aggregate of 1,197,001 shares.
- ak) In March 2010, option holders exercised options to purchase shares of the Company's common stock for cash of \$21,240 and the Company issued an aggregate of 48,000 shares.
- al) In April 2010, warrant holders exercised their warrants to purchase shares of the Company's common stock for cash of \$1,966,375 and the Company issued an aggregate of 1,595,825 shares.
- am) On April 20, 2010, an option holder exercised options to purchase shares of the Company's common stock for cash of \$86,000 and the Company issued an aggregate of 107,500 shares.
- an) In May 2010, warrant holders exercised 890,051 cashless warrants to obtain shares of the Company's common stock and the Company issued an aggregate of 547,674 shares.
- ao) On June 30, 2010, the Company entered into a purchase agreement to issue 6,666,667 shares of common stock at a price of \$1.50 per share to investors for gross proceeds of \$10,000,000, which includes \$681,773 of stock issuance costs. The investors were also issued warrants to purchase 2,000,000 shares of common stock at an exercise price of \$1.90 per share. The warrants became immediately exercisable on the date of delivery until the four-year anniversary of the date of issuance. These warrants were valued at \$1,800,800 and recorded as warrant liabilities. The closing costs included 200,000 warrants valued at \$180,080 and were recorded as a financing expense.

Gross Proceeds:	<u>\$ 10,000,000</u>
Allocated to liabilities:	
Warrant liabilities	1,980,880
Less: Warrants allocated to placement agent	<u>(180,080)</u>
Total allocated to liabilities	1,800,800
Allocated to equity:	
Common stock and additional paid-in capital	<u>8,199,200</u>
<b>Total allocated gross proceeds:</b>	<b><u>\$ 10,000,000</u></b>

- ap) In November 2010, warrant holders exercised 936,883 cashless warrants to obtain shares of the Company's common stock and the Company issued an aggregate of 247,491 shares.
- aq) In December 2010, warrant holders exercised 530,900 cashless warrants to obtain shares of the Company's common stock and the Company issued an aggregate of 126,195 shares.
- ar) On January 19, 2011, the Company issued 2,334,515 shares of common stock at a purchase price of \$1.69 per share to an institutional investor for net proceeds of \$3,926,397, which includes \$23,603 of stock issuance costs.
- as) On February 15, 2011, a warrant holder exercised warrants to purchase shares of the Company's common stock for cash of \$215,104 and the Company issued 209,042 shares.
- at) On February 28, 2011, an option holder exercised options to purchase shares of the Company's common stock for cash of \$6,000 and the Company issued 25,000 shares.
- au) On March 11, 2011, an option holder exercised options to purchase shares of the Company's common stock for cash of \$12,000 and the Company issued 50,000 shares.

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- av) On March 28, 2011, warrant holders exercised their warrants to purchase shares of the Company's common stock for cash of \$102,857 and the Company issued 124,917 shares.
- aw) On March 31, 2011, the Company closed on a purchase agreement to issue 8,333,333 shares of common stock at a price of \$1.20 per share to five institutional investors for gross proceeds of \$10,000,000, which includes \$706,124 of cash stock issuance costs. The investors were also issued warrants to purchase 3,333,333 shares of common stock at a purchase price of \$1.50 per share, exercisable on or after six months after the closing date until the five-year anniversary of the initial exercise date. These warrants were recorded as liabilities with a fair value of \$2,826,666. The closing costs included 208,333 warrants valued at \$97,667 and were recorded as a financing expense.

A summary of the allocation of the proceeds of the offering is shown below:

Gross Proceeds:	<u>\$ 10,000,000</u>
Allocated to liabilities:	
Warrant liabilities	2,924,333
Less: Warrants allocated to placement agent	<u>(97,667)</u>
Total allocated to liabilities	2,826,666
Allocated to equity:	
Common stock and additional paid-in capital	<u>7,173,334</u>
<b>Total allocated gross proceeds:</b>	<b><u>\$ 10,000,000</u></b>

- ax) In September 2011, an option holder exercised options to purchase shares of the Company's common stock for cash of \$22,040 and the Company issued 28,000 shares.
- ay) In October 2011, an option holder exercised options to purchase shares of the Company's common stock for cash of \$19,200 and the Company issued 80,000 shares.

- az) On December 4, 2012 the Company closed on an underwritten public offering to issue and sell 19,130,435 shares of common stock and common stock purchase warrants to purchase up to 10,521,739 shares of common stock. The common stock and warrants were sold in units, consisting of common stock and a warrant to purchase 0.55 shares of common stock, at a price of \$0.33 per share, and the warrants have an exercise price of \$0.472 per share. Pursuant to the underwriting agreement, the Company granted the Underwriters a 45-day option to purchase an additional 2,869,565 shares of common stock and warrants to purchase 1,578,261 shares of common stock. On December 4, 2012, the underwriters partially exercised this option, and 869,565 units, consisting of 869,565 shares and 478,261 warrants were issued. On December 10, 2012, the underwriters exercised the remaining overallotment option, and the Company issued 2,000,000 units, consisting of 2,000,000 shares and 1,100,000 warrants. The total gross proceeds of the offering was \$7,260,000. The warrants issued are exercisable on the closing date until the five-year anniversary of the closing date, and were recorded as liabilities at fair value.

The closing costs of \$977,434 included 880,000 warrants valued at \$163,096, and \$814,338 for underwriter's discounts and professional and other fees. Based upon the estimated fair value of the stock and warrants in the units, the Company allocated \$332,108 to financing expense, and \$645,326 as stock issuance costs.

A summary of the allocation of the proceeds of the offering is shown below:

Gross Proceeds:	<u>\$ 7,260,000</u>
Allocated to liabilities:	
Warrant liabilities	2,637,216
Less: Warrants allocated to placement agent	<u>(163,096)</u>
Total allocated to liabilities	2,474,120
Allocated to equity:	
Common stock and additional paid-in capital	<u>4,785,880</u>
<b>Total allocated gross proceeds:</b>	<b><u>\$ 7,260,000</u></b>

- ba) On December 7, 2012, the Company issued 2,083,333 shares of common stock at a purchase price of \$0.36 per share to an institutional investor for gross proceeds of \$750,000. The total stock issuance costs were \$63,658.
- bb) On May 10, 2013, the Company issued 120,000 shares of stock to a vendor in exchange for investor relations services. The market value of the stock issued was \$0.31, and the total market value of the issuance was \$37,200.
- bc) On June 10, 2013, the Company issued 200,000 shares of stock to a vendor in exchange for investor relations services. The market value of the stock issued was \$0.50, and the total market value of the issuance was \$100,000.
- bd) On June 21, 2013, a warrant holder exercised warrants to purchase shares of the Company's common stock for cash of \$26,739 and the Company issued 56,650 shares.

## **12. Stock-Based Compensation**

At the Company's Annual Meeting of the Stockholders held on June 10, 2013, the Company's stockholders voted to approve the Rexahn Pharmaceuticals, Inc. 2013 Stock Option Plan (the "2013 Plan"). Under the 2013 Plan, the Company grants stock options to key employees, directors and consultants of the Company. A total of 17,000,000 shares of common stock have been reserved for issuance pursuant to the 2013 Plan. As of June 30, 2013, there were 300,000 options outstanding, and 16,700,000 shares were available for issuance from the 2013 Plan.

On August 5, 2003, the Company established a stock option plan (the "2003 Plan"). Under the 2003 Plan, the Company grants stock options to key employees, directors and consultants of the Company. With the adoption of the 2013 Plan, no new stock options may be issued under the 2003 Plan, however, previously issued options under the 2003 Plan remain outstanding until their expiration. As of June 30, 2013, there were 9,741,795 outstanding options under the 2003 Plan.

For the majority of the grants to employees, the vesting period is 30% on the first anniversary of the grant date, an additional 30% on the second anniversary of the grant date, and the remaining 40% on the third anniversary. Options expire between five and ten years from the date of grant. For grants to non-employee consultants of the Company, the vesting period is between one and three years, subject to the fulfillment of certain conditions in the individual stock agreements, or 100% upon the occurrence of certain events specified in the individual stock agreements.

### **Accounting for Employee Awards**

The Company's results of operations for the three months ended June 30, 2013 and 2012 include share-based employee compensation expense totaling \$54,371 and \$55,317 respectively. The Company's results of operations for the six months ended June 30, 2013 and 2012 include share based compensation expense totaling \$420,482 and \$115,132, respectively. Such amounts have been included in the statement of operations in general and administrative and research and development expenses. No income tax benefit has been recognized in the statement of operations for share-based compensation arrangements as the Company has provided for a 100% valuation allowance on its deferred tax assets.

Employee stock option compensation expense is the estimated fair value of options granted amortized on a straight-line basis over the requisite vesting service period for the entire portion of the award.

### **Accounting for Non-Employee Awards**

Stock compensation expenses related to non-employee options were \$(4,565) for the three months ended June 30, 2012. There was no expense related to non-employee options during the three months ended June 30, 2013. Stock compensation expenses related to non-employee options was \$5,840 and \$26,794 for the six months ended June 30, 2013 and 2012, respectively. Such amounts have been included in the statement of operations in general and administrative and research and development expenses.

### Summary of Stock Compensation Expense Recognized

Total stock-based compensation recognized by the Company in the three and six months ended June 30, 2013 and 2012, and the period from inception (March 19, 2001) to June 30, 2013 is as follows:

	<u>Three Months Ended</u>		<u>Six Months Ended</u>		Cumulative from March 19, 2001 (Inception) to June 30, 2013
	<u>June 30,</u>		<u>June 30,</u>		
	2013	2012	2013	2012	
Statement of operations line item:					
General and administrative:					
Payroll	\$ 40,535	\$ 34,848	\$ 390,914	\$ 74,165	3,012,343
Consulting and other professional fees	-	(727)	3,893	22,495	814,348
Research and development:					
Payroll	13,836	20,469	29,568	40,967	1,077,625
Consulting and other professional fees	-	(3,838)	1,947	4,299	1,330,622
<b>Total</b>	<b>\$ 54,371</b>	<b>\$ 50,752</b>	<b>\$ 426,322</b>	<b>\$ 141,926</b>	<b>6,234,938</b>

### Summary of Stock Option Transactions

There were 1,200,000 stock options granted at an exercise price of \$0.37 with a fair value of \$320,465, 550,000 stock options granted at an exercise price of \$0.31 with a fair value of \$122,497, 250,000 stock options granted at an exercise price of \$0.39 and a fair value of \$69,529, and 300,000 stock options granted at an exercise price of \$0.50 and a fair value of \$107,086 during the six months ended June 30, 2013. The 1,200,000 options granted at an exercise price of \$0.37 were awarded to our new Chief Executive Officer, who joined the Company in February 2013. Per that employment agreement, these options vested immediately, and therefore, the entire fair value of those options were expensed upon grant. There were 75,000 stock options granted at an exercise price of \$0.48 and a fair value of \$26,835 and 170,000 stock options granted at an exercise price of \$0.38 and a fair value of \$47,589 during the six months ended June 30, 2012.

The fair value of options at the date of grant was estimated using the Black-Scholes option pricing model. The Company took into consideration guidance under ASC 718, "Compensation-Stock Compensation" and SAB 107 when reviewing and updating assumptions. The expected volatility is based upon historical volatility of the Company's stock. The expected term is based upon the simplified method as allowed under SAB 107.

The assumptions made in calculating the fair values of options are as follows:

	<b>Six Months Ended June 30,</b>	
	<b>2013</b>	<b>2012</b>
Black-Scholes weighted average assumptions		
Expected dividend yield	<b>0%</b>	0%
Expected volatility	<b>94-96%</b>	99-101%
Risk free interest rate	<b>0.75-1.13%</b>	0.69-0.89%
Expected term (in years)	<b>5 years</b>	5 years

The following table summarizes the employee and non-employee share-based transactions:

	<b>2013</b>		<b>2012</b>	
	<b>Number of Options</b>	<b>Weighted Average Exercise Price</b>	<b>Number of Options</b>	<b>Weighted Average Exercise Price</b>
Outstanding at January 1	7,741,795	\$ 1.03	7,646,795	\$ 1.05
Granted	2,300,000	0.37	245,000	0.41
Exercised	-	-	-	-
Cancelled	-	-	(50,000)	1.59
<b>Outstanding at June 30</b>	<b>10,041,795</b>	<b>\$ 0.88</b>	<b>7,841,795</b>	<b>\$ 1.03</b>

The following table summarizes information about stock options outstanding as of June 30, 2013 and December 31, 2012.

	<b>Number of Options</b>	<b>Weighted Average Exercise Price</b>	<b>Weighted Average Remaining Contractual Term</b>	<b>Aggregate Intrinsic Value</b>
<b>Outstanding at June 30, 2013</b>	<b>10,041,795</b>	<b>\$ 0.88</b>	<b>4.9 years</b>	<b>\$ 300,559</b>
<b>Exercisable at June 30, 2013</b>	<b>8,744,295</b>	<b>\$ 0.94</b>	<b>4.1 years</b>	<b>\$ 214,459</b>
Outstanding at December 31, 2012	7,741,795	\$ 1.03	3.9 years	\$ 41,706
Exercisable at December 31, 2012	7,176,795	\$ 1.04	3.5 years	\$ 41,706

There were no options exercised during the three and six months ended June 30, 2013 and 2012. The weighted average fair value of the options vested was \$0.36 and \$0.93 for the six months ended June 30, 2013 and 2012, respectively.

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A summary of the Company's unvested shares as of June 30, 2013 and changes during the six months ended June 30, 2013 is presented below:

	2013	
	Number of Options	Weighted Average Fair Value at Grant Date
Unvested at January 1, 2013	565,000	\$ 0.66
Granted	2,300,000	\$ 0.27
Vested	(1,567,500)	\$ 0.36
Cancelled	-	\$ -
<b>Unvested at June 30, 2013</b>	<b>1,297,500</b>	<b>\$ 0.34</b>

As of June 30, 2013 and December 31, 2012, there was \$370,592 and \$172,532 of total unrecognized compensation cost, respectively, related to all unvested stock options, which is expected to be recognized over a weighted average vesting period of 2.1 years and 1.0 years, respectively.

### 13. Warrants

As of June 30, 2013, warrants to purchase 21,599,492 shares were outstanding, having exercise prices ranging from \$0.41 to \$1.90 and expiration dates ranging from August 8, 2013 to December 4, 2017.

	2013		2012	
	Number of warrants	Weighted average exercise price	Number of warrants	Weighted average exercise price
Balance, January 1	21,656,142	\$ 0.89	8,676,142	\$ 1.53
Issued during the period	-	-	-	\$ -
Exercised during the period	(56,650)	0.47	-	\$ -
Expired during the period	-	-	-	\$ -
<b>Balance, June 30</b>	<b>21,599,492</b>	<b>\$ 0.89</b>	<b>8,676,142</b>	<b>\$ 1.53</b>

At June 30, 2013 and December 31, 2012, the average remaining contractual life of the outstanding warrants was 3.3 and 3.8 years, respectively.

The warrants, which were issued to investors in the December 2007, March 2008, May 2009, October 2009, June 2010, March 2011 and December 2012 offerings, contain a provision for net cash settlement in the event that there is a fundamental transaction (contractually defined as a merger, sale of substantially all assets, tender offer, or share exchange). If a fundamental transaction occurs in which the consideration issued consists principally of cash or stock in a non-public company, then the warrant holder has the option to receive cash, equal to the fair value of the remaining unexercised portion of the warrant. Due to this contingent redemption provision, the warrants require liability classification in accordance with ASC 480 and are recorded at fair value. In addition, the warrants issued in the May 2009, October 2009, June 2010, March, 2011 and December 2012 offerings contain a cashless exercise provision that is exercisable only in the event that a registration statement is not effective, which provision may not be operative if an effective registration statement is not available because of an exemption under the U.S. Securities laws may not be available to issue unregistered shares. As a result, net cash settlement may be required.

ASC 820 provides requirements for disclosure of liabilities that are measured at fair value on a recurring basis in periods subsequent to the initial recognition. Fair values for warrants are determined using the Binomial Lattice (“Lattice”) valuation technique. The Lattice model provides for dynamic assumptions regarding volatility and risk-free interest rates within the total period to maturity. Accordingly, within the contractual term, the Company provided multiple date intervals over which multiple volatilities and risk free interest rates were used. These intervals allow the Lattice model to project outcomes along specific paths which consider volatilities and risk free rates that would be more likely in an early exercise scenario.

Significant assumptions are determined as follows:

Trading market values—published trading market values;

Exercise price—Stated exercise price;

Term—remaining contractual term of the warrant;

Volatility—Historical trading volatility for periods consistent with the remaining terms;

Risk-free rate—Yields on zero coupon government securities with remaining terms consistent with the remaining terms of the warrants.

Due to the fundamental transaction provision, which could provide for early redemption of the warrants, the model also considered the probability the Company would enter into a fundamental transaction during the remaining term of the warrant. Since the Company is still in its development stage and is not yet achieving positive cash flow, management believes the probability of a fundamental transaction occurring over the term of the warrant is unlikely and therefore estimates the probability of entering into a fundamental transaction to be 5%. For valuation purposes, the Company also assumed that if such a transaction did occur, it was more likely to occur towards the end of the term of the warrants.

The warrants issued in December 2007 and March 2008 were not only subject to traditional anti-dilution protection, such as stock splits and dividends, but they were also subject to down-round anti-dilution protection. Accordingly, if the Company sold common stock or common stock indexed financial instruments below the stated exercise price, the exercise price related to these warrants will adjust to that lower amount. The Lattice model used to value the warrants with down-round anti-dilution protection provides for multiple, probability-weighted scenarios at the stated exercise price and at five additional decrements/scenarios on each valuation date in order to encompass the value of the anti-dilution provisions in the estimate of fair value of the warrants. Calculations were performed at the stated exercise price and at five additional decrements/scenarios on each valuation date. The calculations provided for multiple, probability-weighted scenarios reflecting decrements that result from declines in the market prices. Decrements are predicated on the trading market prices in decreasing ranges below the contractual exercise price. For each valuation date, multiple Binomial Lattice calculations were performed which were probability weighted by considering both the Company’s (i) historical market pricing trends, and (ii) an outlook for whether or not the Company may need to issue equity or equity-indexed instruments in the future with a price less than the current exercise price.

The significant unobservable inputs used in the fair value measurement of the warrants include management’s estimate of the probability that a fundamental transaction may occur in the future. Significant increases (decreases) in the probability of occurrence would result in a significantly higher (lower) fair value measurement.

The following table summarizes the fair value of the warrants as of the respective balance sheet or transaction dates:

Warrant Issuance:	Fair Value as of:		
	June 30, 2013	December 31, 2012	Transaction Date
December 18, 2007 financing	\$ -	\$ -	\$ 1,392,476
March 20, 2008 financing	-	-	190,917
June 5, 2009 financing:			
Series I warrants	-	-	707,111
Series II warrants	-	-	1,315,626
Series III warrants	5,242	35,311	1,306,200
Warrants to placement agent	687	3,489	122,257
October 23, 2009 financing:			
Warrants to institutional investors	47,414	73,454	1,012,934
Warrants to placement agent	-	41	101,693
June 30, 2010 financing			
Warrants to institutional investors	3,200	12,200	1,800,800
Warrants to placement agent	-	20	180,080
March 31, 2011 financing:			
Warrants to institutional investors	326,333	306,333	2,826,666
Warrants to placement agent	-	83	97,667
December 4, 2012 financing:			
Warrants to institutional investors	3,084,411	2,263,910	2,474,120
Warrants to placement agent	195,712	147,224	163,096
<b>Total:</b>	<b>\$ 3,662,999</b>	<b>\$ 2,842,065</b>	<b>\$ 13,691,643</b>

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The following table summarizes the number of shares indexed to the warrants as of the respective balance sheet or transaction dates:

Warrant Issuance	Number of Shares indexed as of:		
	June 30, 2013	December 31, 2012	Transaction Date
December 18, 2007 financing	-	-	1,078,579
March 20, 2008 financing	-	-	128,572
June 5, 2009 financing:			
Series I warrants	-	-	2,222,222
Series II warrants	-	-	1,866,666
Series III warrants	1,555,555	1,555,555	1,555,555
Warrants to placement agent	132,143	132,143	142,857
October 23, 2009 financing:			
Warrants to institutional investors	1,228,333	1,228,333	2,125,334
Warrants to placement agent	18,445	18,445	245,932
June 30, 2010 financing			
Warrants to institutional investors	2,000,000	2,000,000	2,000,000
Warrants to placement agent	200,000	200,000	200,000
March 31, 2011 financing:			
Warrants to institutional investors	3,333,333	3,333,333	3,333,333
Warrants to placement agent	208,333	208,333	208,333
December 4, 2012 financing:			
Warrants to institutional investors	12,043,350	12,100,000	12,100,000
Warrants to placement agent	880,000	880,000	880,000
<b>Total:</b>	<b>21,599,492</b>	<b>21,656,142</b>	<b>28,087,383</b>

The assumptions used in calculating the fair values of the warrants are as follows:

December 18, 2007 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ -	\$ -	\$ 1.75
Estimated future volatility	-	-	143%
Dividend	-	-	-
Estimated future risk-free rate	-	-	3.27%
Equivalent volatility	-	-	106%
Equivalent risk-free rate	-	-	3.26%
Estimated additional shares to be issued upon dilutive event	-	-	98,838

March 20, 2008 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ -	\$ -	\$ 2.14
Estimated future volatility	-	-	142%
Dividend	-	-	-
Estimated future risk-free rate	-	-	1.95%
Equivalent volatility	-	-	97%
Equivalent risk-free rate	-	-	1.31%
Estimated additional shares to be issued upon dilutive event	-	-	7,479

June 5, 2009 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ 0.44	\$ 0.31	\$ 1.14
Estimated future volatility	88-100%	100%	100%
Dividend	-	-	-
Estimated future risk-free rate	0.15%	0.16%	0.63-4.31%
Equivalent volatility	61-62%	92%	103-117%
Equivalent risk-free rate	0.07-0.08%	0.11%	0.20-1.44%

October 23, 2009 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ 0.44	\$ 0.31	\$ 0.69
Estimated future volatility	100%	100%	100%
Dividend	-	-	-
Estimated future risk-free rate	0.15%	0.16-0.34%	2.63-3.80%
Equivalent volatility	68-70%	74-93%	98-99%
Equivalent risk-free rate	0.02-0.10%	0.06-0.13%	0.93-1.16%

June 30, 2010 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ 0.44	\$ 0.31	\$ 1.43
Estimated future volatility	86-100%	100%	100%
Dividend	-	-	-
Estimated future risk-free rate	0.15%	0.16-0.34%	1.78%
Equivalent volatility	61-70%	74-75%	98%
Equivalent risk-free rate	0.02-0.08%	0.06%	0.59%

March 31, 2011 financing:	<b>June 30, 2013</b>	December 31, 2012	Transaction Date
Trading market prices	\$ <b>0.44</b>	\$ 0.31	\$ 1.18
Estimated future volatility	<b>91-100 %</b>	93-100%	100%
Dividend	-	-	-
Estimated future risk-free rate	<b>0.15-1.26 %</b>	0.16-0.58%	1.32-3.64%
Equivalent volatility	<b>70-75 %</b>	74-89%	79-96%
Equivalent risk-free rate	<b>0.02-0.28 %</b>	0.06-0.23%	0.39-1.09%

  

December 4, 2012 financing:	<b>June 30, 2013</b>	December 31, 2012	Transaction Date
Trading market prices	\$ <b>0.44</b>	\$ 0.31	\$ 0.30-0.33
Estimated future volatility	<b>75-100 %</b>	85-100%	100%
Dividend	-	-	-
Estimated future risk-free rate	<b>1.26-2.54 %</b>	0.58-1.26%	0.52-1.065%
Equivalent volatility	<b>74-78 %</b>	88%	88-90%
Equivalent risk-free rate	<b>0.28-0.45 %</b>	0.21-0.32%	0.22-0.31%

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Changes in the fair value of the warrant liabilities, carried at fair value, as reported as “unrealized (loss) gain on fair value of warrants” in the statement of operations:

	<b>Three Months Ended June 30, 2013</b>	Three Months Ended June 30, 2012
December 18, 2007 financing	\$ -	\$ -
March 20, 2008 financing	-	-
June 5, 2009 financing:		
Series I warrants	-	-
Series II warrants	-	-
Series III warrants	47	85,711
Warrants to placement agent	(53)	8,668
October 23, 2009 financing:	-	
Warrants to institutional investors	(15,355)	129,220
Warrants to placement agent	-	1,298
June 30, 2010 financing		
Warrants to institutional investors	200	92,400
Warrants to placement agent	-	2,160
March 31, 2011 financing:		
Warrants to institutional investors	(116,666)	478,666
Warrants to placement agent	-	4,125
December 4, 2012 financing:		
Warrants to institutional investors	(1,004,301)	-
Warrants to placement agent	(70,528)	-
<b>Total:</b>	<b>\$ (1,206,656)</b>	<b>\$ 802,248</b>

	Six Months Ended June 30, 2013	Six Months Ended June 30, 2012	Cumulative from March 19, 2001 (Inception) to June 30, 2013
December 18, 2007 financing	\$ -	\$ -	\$ 50,722
March 20, 2008 financing	-	-	160,063
June 5, 2009 financing:			
Series I warrants	-	-	707,111
Series II warrants	-	-	(2,191,175)
Series III warrants	30,069	71,089	1,300,958
Warrants to placement agent	2,802	7,003	107,190
Derivative loss at inception	-	-	(328,937)
October 23, 2009 financing:			
Warrants to institutional investors	26,040	87,089	(83,720)
Warrants to placement agent	41	570	(135,938)
June 30, 2010 financing			
Warrants to institutional investors	9,000	74,600	1,797,600
Warrants to placement agent	20	2,140	180,080
March 31, 2011 financing:			
Warrants to institutional investors	(20,000)	294,333	2,500,333
Warrants to placement agent	83	3,563	97,667
December 4, 2012 financing:			
Warrants to institutional investors	(837,321)	-	(627,111)
Warrants to placement agent	(48,488)	-	(32,616)
<b>Total:</b>	<b>\$ (837,754)</b>	<b>\$ 540,387</b>	<b>\$ 3,502,227</b>

#### 14. Put feature on Common Stock

The Anti-dilution provision extended in the December 2007 and March 2008 financings is a financial instrument separate and apart from the share. It is a freestanding written put (a put on the Company's common stock). As an enterprise value put, the contracts' value moves inversely with the value of the underlying common stock which, under ASC 480, is not consistent with the general concepts or criterion for equity classified financial instruments. Accordingly, the written put was required to be classified as a liability under ASC 480 and recorded at fair value each reporting period, while the common stock achieved equity classification. Changes in the fair value of the anti-dilution make-whole provision are reported as "unrealized gain on fair value of put feature on common stock."

The anti-dilution make-whole provisions associated with the common stock, were valued using a probability-weighting of put values provided by the Lattice model. Additional value would result from the put upon an increase in the exercise price or upon decrease of the trading market price in the future. Since the exercise price is based on the actual sales price of the stock issued, it is not subject to adjustment unless there is an actual dilutive event. Therefore, the mechanism for determining the value of the put was to adjust the stock price input into the Lattice model based on the Company's estimated future stock price. A Random Walk Brownian Motion Stochastic Process ("Brownian") technique was used to estimate the market price at several points in the future (e.g. at inception, 6 months, 12 months, 18 months and 24 months) over the term of the put to determine if the stock price will be expected to decrease over the related interval of time. Brownian is a continuous stochastic process that is widely used in financing for modeling random behavior that evolves over time, and a stochastic process is a sequence of events or paths generated by probabilistic laws. At each interval, the Brownian technique was run and the simulation returned the mean stock price (the "expected stock price").

Expected stock prices returned from the stochastic model were then input into the Lattice model to provide a put value at each of the expected prices and these values were probability weighted to determine the overall fair value of the anti-dilution make-whole provision. The term was based on the remaining term of the put (two years at inception) and the inputs for volatility and interest rate were based on projected volatility and interest rate in the future over the remaining term.

The following table summarizes the fair value of the Anti-dilution provision recorded at fair value as liabilities:

Fair Values:	June 30, 2013	December 31, 2012	Transaction Date
December 18, 2007 financing	\$ -	\$ -	\$ 4,401,169
March 20, 2008 financing	-	-	553,569
<b>Total:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,954,738</b>

The following table summarizes the number of shares indexed to the Anti-dilution provision at the respective balance sheet or transaction dates:

Number of Shares indexed:	June 30, 2013	December 31, 2012	Transaction Date
December 18, 2007 financing	-	-	4,857,159
March 20, 2008 financing	-	-	642,858
<b>Total:</b>	<b>-</b>	<b>-</b>	<b>5,500,017</b>

The following table reflects the fair values of the common stock anti-dilution make-whole provisions recorded as liabilities and significant assumptions used in the valuation:

December 18, 2007 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ -	\$ -	\$ 1.75
Estimated future stock price	-	-	\$ 0.98-\$1.75
Estimated future volatility	-	-	143%
Dividend	-	-	-
Estimated future risk-free rate	-	-	3.14%
March 20, 2008 financing:	June 30, 2013	December 31, 2012	Transaction Date
Trading market prices	\$ -	\$ -	\$ 2.14
Estimated future stock price	-	-	\$ 1.36-\$2.10
Estimated future volatility	-	-	142%
Dividend	-	-	-
Estimated future risk-free rate	-	-	1.85%

Since the Anti-dilution provisions expired on December 18, 2009 and March 20, 2010, there is no liability as of June 30, 2013 or December 31, 2012, or no changes in the fair value for the three and six months ended June 30, 2013 and 2012.

Changes in the fair value of the Anti-dilution provision, carried at fair value, as reported as “unrealized gain on fair value of put feature on common stock” in the statement of operations:

	<b>Three and Six Months Ended June 30, 2013</b>	Three and Six Months Ended June 30, 2012	Cumulative from March 19, 2001 (Inception) to June 30, 2013
December 18, 2007 financing	\$ -	\$ -	\$ 2,148,418
March 20, 2008 financing	-	-	167,121
<b>Total:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,315,539</b>

## 15. Income Taxes

No provision for Federal and State income taxes was required for the three and six months ended June 30, 2013 and 2012 due to the Company’s operating losses and increased deferred tax asset valuation allowance. At June 30, 2013 and December 31, 2012, the Company had unused net operating loss carry-forwards of approximately \$65,090,000 and \$61,780,000 which expire at various dates through 2033. Some of this amount may be subject to annual limitations under certain provisions of the Internal Revenue Code related to “changes in ownership.”

As of June 30, 2013 and December 31, 2012, the deferred tax assets related to the aforementioned carry-forwards have been fully offset by valuation allowances, since significant utilization of such amounts is not presently expected in the foreseeable future.

Deferred tax assets and valuation allowances consist of:

	<b>June 30, 2013</b>	December 31, 2012
Net Operating Loss Carryforwards	\$ 25,385,100	24,094,200
Stock Option Expense	2,010,000	1,843,000
Book tax differences on assets and liabilities	345,300	352,500
Valuation Allowance	(27,740,400)	(26,289,700)
Net Deferred Tax Assets	\$ -	\$ -

The Company files income tax returns in the U.S. Federal and Maryland state jurisdictions. Tax years for fiscal 2009 through 2013 are open and potentially subject to examination by the Federal and Maryland state taxing authorities.

## 16. Commitments and Contingencies

- a) The Company has contracted with various vendors to provide research and development services. The terms of these agreements usually require an initial fee and monthly or periodic payments over the term of the agreement, ranging from 2 months to 36 months. The costs to be incurred are estimated and are subject to revision. As of June 30, 2013, the total estimated cost to be incurred under these agreements was approximately \$20,888,410 and the Company had made payments totaling \$19,066,863 since inception under the terms of the agreements. All of these agreements may be terminated by either party upon appropriate notice as stipulated in the respective agreements.
- b) The Company and four of its key executives currently have outstanding employment agreements. The agreements result in annual commitments for each key executive of \$350,000, \$285,000, \$250,000, and \$215,000, respectively.
- c) On June 22, 2009, the Company entered into a License Agreement with Korea Research Institute of Chemical Technology (“KRICT”) to acquire the rights to all intellectual properties related to Quinoxaline-Piperazine derivatives that were synthesized under a Joint Research Agreement. The initial license fee was \$100,000, all of which was paid as of December 31, 2009. The agreement with KRICT calls for a one-time milestone payment of \$1,000,000 within 30 days after the first achievement of marketing approval of the first commercial product arising out of or in connection with the use of KRICT’s intellectual properties. As of June 30, 2013, the milestone has not occurred.
- d) On June 29, 2009, the Company signed a five year commercial lease agreement for 5,466 square feet of office space in Rockville, Maryland commencing on June 29, 2009. The lease agreement requires annual base rent with increases over the next five years. Under the lease agreement, the Company pays its allocable portion of real estate taxes and common area operating charges. Rent paid under the Company’s lease during the three months ended June 30, 2013 and 2012 was \$40,199 and \$39,219, respectively. Rent paid under the Company’s lease during the six months ended June 30, 2013 and 2012 was \$80,398 and \$78,437.

On June 7, 2013 the Company entered into the First Amendment to the lease agreement. According to the terms of this amendment, the Company extended the lease term until June 30, 2019. The amendment term began on July 1, 2013 with a base rent of \$100,210 and requires annual base rent increases over the next six years.

Future rental payments over the next five years and thereafter are as follows:

For the remaining six months ending December 31:	2013	\$ 37,579
For the year ending December 31:	2014	139,675
	2015	156,000
	2016	159,881
	2017	163,871
	2018 and thereafter	<u>252,994</u>
	<b>Total</b>	<b><u>\$ 910,000</u></b>

In connection with the lease agreement, the Company issued a letter of credit of \$100,000 in favor of the lessor. On August 2, 2010, and July 1, 2011 the letter of credit was amended and reduced to \$50,000 and \$37,500, respectively. The Company has restricted cash equivalents of the same amount for the letter of credit.

- e) On September 21, 2009, the Company closed on a securities purchase agreement with Teva, under which Teva purchased 3,102,837 shares of our common stock for \$3.5 million. Contemporaneous with the execution and delivery of this agreement, the parties executed a RELO pursuant to which the Company agreed to use \$2,000,000 from the gross proceeds of the issuance and sale of shares to Teva to fund a research and development program for the pre-clinical development of RX-3117. On January 19, 2011, the Company entered into a second amendment to the securities purchase agreement (the “Second Amendment”) in which Teva purchased 2,334,515 shares of the common stock of the Company for gross proceeds of \$3,950,000, which the Company agreed to use for the further preclinical development of RX-3117. On December 7, 2012, the Teva exercised its option to purchase \$750,000 of common stock, and the Company issued Teva 2,083,333 shares. This constituted the third and final closing agreed to in the securities purchase agreement, and the use of these funds is not restricted by the Company. On December 27, 2012 the Company received \$926,000 from Teva in accordance with a second amendment to the RELO agreement, entered into on November 27, 2012 for the development of RX-3117. The Company did not issue equity for this transaction.

The table below summarizes the investments made under the securities purchase agreement and RELO:

<b>Date of Investment</b>	<b>Investment Amount</b>	<b>Shares Issued</b>	<b>Proceeds Remaining in Restricted Cash as of 6/30/13</b>	<b>Deferred Research and Development Arrangements Balance at 6/30/13</b>
9/21/2009	\$ 3,500,000	3,102,837	\$ -	\$ -
1/19/2011	3,950,000	2,334,515	-	-
12/7/2012	750,000	2,083,333	-	-
12/27/2012	926,000	-	531,379	531,379
<b>Total</b>	<b>\$ 9,126,000</b>	<b>7,520,685</b>	<b>\$ 531,379</b>	<b>\$ 531,379</b>

- f) The Company has a 401(k) plan established for its employees. The Company elected to match 100% of the first 3% of the employee’s compensation plus 50% of an additional 2% of the employee’s deferral. Expense related to this matching contribution aggregated \$20,531 and \$17,873 for the three months ended June 30, 2013, and 2012, respectively, and \$38,247 and \$36,337 for the six months ended June 30, 2013 and 2012, respectively.
- g) On May 30, 2012 and June 22, 2011, the Company signed a one year renewal to use lab space commencing on July 1, 2012 and 2011, respectively. The lease requires monthly rental payments of \$4,554. Rent paid under the Company’s lease during the three and six months ended June 30, 2013 and 2012 was \$13,662 and \$27,324. On June 24, 2013 the Company extended the agreement for another year with monthly rental payments of \$4,554.

## 17. Fair Value Measurements

ASC 820 defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date, not adjusted for transaction costs. ASC 820 also establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three broad levels giving the highest priority to quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3).

The three levels are described below:

- Level 1 Inputs — Unadjusted quoted prices in active markets for identical assets or liabilities that is accessible by the Company;
- Level 2 Inputs — Quoted prices in markets that are not active or financial instruments for which all significant inputs are observable, either directly or indirectly;
- Level 3 Inputs — Unobservable inputs for the asset or liability including significant assumptions of the Company and other market participants.

The following tables present assets and liabilities that are measured at fair value on a recurring basis and are categorized using the fair value hierarchy. The fair value hierarchy has three levels based on the reliability of the inputs used to determine fair value.

<b>Fair Value Measurements at June 30, 2013</b>				
	Total	Level 1	Level 2	Level 3
<b>Assets:</b>				
Restricted Cash Equivalents	\$ 568,879	\$ 531,379	\$ 37,500	\$ -
Marketable Securities	100,000	100,000	-	-
<b>Total Assets:</b>	<b>\$ 668,879</b>	<b>\$ 631,379</b>	<b>\$ 37,500</b>	<b>\$ -</b>
<b>Liabilities:</b>				
Warrant Liabilities	\$ 3,662,999	-	-	\$ 3,662,999

<b>Fair Value Measurements at December 31, 2012</b>				
	Total	Level 1	Level 2	Level 3
<b>Assets:</b>				
Restricted Cash Equivalents	\$ 1,091,801	\$ 1,054,301	\$ 37,500	\$ -
Marketable Securities	100,000	100,000	-	-
<b>Total Assets:</b>	<b>\$ 1,191,801</b>	<b>\$ 1,154,301</b>	<b>\$ 37,500</b>	<b>\$ -</b>
<b>Liabilities:</b>				
Warrant Liabilities	\$ 2,842,065	-	-	\$ 2,842,065

As of June 30, 2013 and December 31, 2012, the Company's restricted cash equivalents are comprised of the following:

- a) Money market funds valued at the net asset value of shares held by the Company and is classified within level 1 of the fair value hierarchy;
- b) Certificate of deposit valued based upon the underlying terms of a letter of credit, as disclosed in Note 16, and classified within level 2 of the fair value hierarchy.

Marketable securities consist of state authority and municipal security fund bonds which are valued at fair value and classified within level 1 of the fair value hierarchy.

The fair value methodology for the warrant liabilities is disclosed in Note 13.

The carrying amounts reported in the financial statements for cash and cash equivalents (Level 1), prepaid expenses, and other current assets and accounts payable and accrued expenses approximate fair value because of the short term maturity of these financial instruments.

The following table sets forth a reconciliation of changes in the six months ended June 30, 2013 and 2012 in the fair value of the liabilities classified as level 3 in the fair value hierarchy:

	Warrant Liabilities
Balance at January 1, 2013	\$ 2,842,065
Additions	-
Unrealized losses, net	837,754
Unrealized gains on expiration	-
Transfers out of level 3	(16,820)
Balance at June 30, 2013	<u>\$ 3,662,999</u>
	Warrant Liabilities
Balance at January 1, 2012	\$ 868,725
Additions	-
Unrealized gains, net	(540,387)
Unrealized gains on expiration	-
Transfers out of level 3	-
Balance at June 30, 2012	<u>\$ 328,338</u>

Additions consist of the fair value of warrant liabilities upon issuance. Transfers out of Level 3 for warrant liabilities consist of warrant exercises. The Company's policy is to recognize transfers in and transfers out as of the actual date of the event or change in circumstance that caused the transfer. There were no significant transfers in and out of Levels 1 and 2 for the six months ended June 30, 2013 and 2012.

## **18. Subsequent Events**

In July, 2013 warrant holders exercised their warrants to purchase shares of the Company's common stock for cash of \$1,199,966 and the Company issued an aggregate of 2,542,300 shares.

On July 26, 2013 the Company closed on a registered direct public offering to issue and sell 11,400,000 shares of common stock and warrants to purchase up to 3,990,000 shares of common stock. The common stock and warrants were sold in units, consisting of common stock and a warrant to purchase 0.35 shares of common stock, at a price of \$0.50 per share, and the warrants have an exercise price of \$0.59 per share. The total gross proceeds of the offering were \$5,700,000. The warrants issued are exercisable beginning six months after the closing date until the five-year anniversary of the closing date, and were recorded as liabilities at fair value. The Company is in the process of determining the fair value of the warrants and total closing costs for this transaction.

## **Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operation.**

### **OVERVIEW**

Our efforts and resources have been focused primarily on developing our pharmaceutical technologies, raising capital and recruiting personnel. We are a development stage company and have no product sales to date and we will not generate any product sales until we receive approval from the Food and Drug Administration (the "FDA") or equivalent foreign regulatory bodies to begin selling our pharmaceutical candidates. Our major sources of working capital have been proceeds from various private financings, primarily private sales of common stock and debt securities, and collaboration agreements with our strategic investors.

### **SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS**

The following discussion should be read in conjunction with the unaudited condensed financial statements and notes thereto set forth in Item 1 of this Quarterly Report. This Quarterly Report contains statements accompanied by such phrases as "believe," "estimate," "expect," "anticipate," "may," "intend" and other similar expressions, that are "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995. We caution that forward-looking statements are based largely on our expectations, and are subject to a number of known and unknown risks and uncertainties that are subject to change based on factors which are, in many instances, beyond our control. Actual results, performance or achievements may differ materially from those contemplated, expressed, or implied by the forward-looking statements.

The following factors, among others, could cause our financial performance to differ materially from that expressed in such forward-looking statements:

- our lack of profitability and the need for additional capital to operate our business;
- our ability to obtain the necessary U.S. and worldwide regulatory approvals for our drug candidates;
- successful and timely completion of clinical trials for our drug candidates;
- demand for and market acceptance of our drug candidates;
- the availability of qualified third-party researchers and manufacturers for our drug development programs;
- our ability to develop and obtain protection of our intellectual property; and
- Other risks and uncertainties, including those detailed from time to time in our filings with the Securities and Exchange Commission (the "SEC").

These forward-looking statements are made only as of the date hereof, and we undertake no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise. The safe harbors for forward-looking statements provided by the Private Securities Litigation Reform Act of 1995 are unavailable to issuers of "penny stock." Our shares may be considered a penny stock and, as a result, the safe harbors may not be available to us.

### **Results of Operations**

#### ***Comparison of the Three and Six Months Ended June 30, 2013 and June 30, 2012***

##### ***Total Revenues***

The Company had no revenues for the three and six months ended June 30, 2013 or 2012.

### **General and Administrative Expenses**

General and administrative expenses consist primarily of salaries and related expenses for executive, finance and other administrative personnel, recruitment expenses, professional fees and other corporate expenses, including business development, investor relations, and general legal activities.

General and administrative expenses increased \$115,352, or 15.5%, to \$857,946 for the three months ended June 30, 2013 from \$742,594 for the three months ended June 30, 2012. The increase is primarily attributable to an increase in investor relations services.

During the three months ended June 30, 2013, we engaged three firms to provide investor relations services, and two of these firms were compensated with compensatory stock in addition to cash payments. General and administrative expenses increased \$597,932, or 40.7%, to \$2,068,698 for the six months ended June 30, 2013 from \$1,470,766 for the six months ended June 30, 2012. The increase is primarily attributed to the stock option compensation and recruiting fees for our new Chief Executive Officer, who joined our Company in February 2013. Per the employment agreement, our CEO was awarded 1,200,000 stock options, valued at approximately \$320,000, which vested immediately and were therefore expensed upon grant. The increase is also attributable to an increase in investor relations services, as described above.

### **Research and Development Expenses**

Research and development expenses consist primarily of salaries and related personnel costs, fees paid to consultants and outside service providers for laboratory development and other expenses relating to the design, development, testing, and enhancement of our drug candidates. We expense our research and development costs as they are incurred.

Research and development expenses decreased \$93,126 or 9.1%, to \$925,130 for the three months ended June 30, 2013, from \$1,018,256 for the three months ended June 30, 2012. The decrease is partially attributable to the development of RX-3117. During the three months ended June 30, 2012, we incurred approximately \$350,000 for the preclinical and exploratory Phase I clinical trial of RX-3117 which was paid from cash received from our partner, Teva Pharmaceutical Industries, Ltd. ("Teva"), through the sale of stock in accordance with a purchase agreement. In December, 2012, as per the second amendment to the RELO, Teva provided us with \$926,000 additional research funding for the development of RX-3117. Since we did not issue equity from this transaction, the proceeds received from this additional funding were recorded as a deferred research and development arrangement. Costs incurred for the development of RX-3117 reduce the deferred research and development arrangement liability, and were therefore, not an expense of the Company during the three months ended June 30, 2013. The decrease was offset by increased consulting and drug manufacturing costs for Archexin and RX-5902, which may begin clinical trials in the second half of 2013.

Research and development expenses decreased \$583,360 or 28.3%, to \$1,477,596 for the six months ended June 30, 2013 from \$2,060,956 for the six months ended June 30, 2012. The decrease is primarily due to RX-3117, as described above, as we incurred approximately \$580,000 for RX-3117 during the six months ended June 30, 2012, which were an expense of the Company, whereas, due to the research and development arrangement liability, we did not incur expenses during the six months ended June 30, 2013.

### **Patent Fees**

Our patent fees increased \$43,843, or 56.7%, to \$121,216 for the three months ended June 30, 2013, from \$77,373 for the three months ended June 30, 2012. Patent fees increased \$77,745, or 43.2%, to \$257,707 for the six months ended June 30, 2013 from \$179,962 for the six months ended June 30, 2012. The increase was primarily due to legal costs to respond to office actions on pending patent applications, and translation fees associated with regionalizing patents in foreign jurisdictions for the three and six months ended June 30, 2013.

***Depreciation and Amortization***

Depreciation and amortization expense decreased \$1,486, or 13.9% to \$9,235 for the three months ended June 30, 2013, from \$10,721 for the three months ended June 30, 2012. Depreciation and amortization decreased \$2,891, or 13.5% to \$18,551 for the six months ended June 30, 2013 from \$21,442 for the six months ended June 30, 2012. The decrease is primarily due to assets for which we incurred depreciation during the three and six months ended June 30, 2012 that subsequently became fully depreciated and therefore, there was no depreciation expense for these assets during the three and six months ended June 30, 2013.

***Interest Income***

Interest income increased \$7,139, or 166.3% to \$11,433 for the three months ended June 30, 2013 from \$4,294 for the three months ended June 30, 2012. Interest Income increased \$10,908, or 103.5%, to \$21,451 for the six months ended June 30, 2013 from \$10,543 for the six months ended June 30, 2012. The increase is due to an increase in interest rates and interest bearing investments for the three and six months ended June 30, 2013 compared to the three and six months ended June 30, 2012.

***Unrealized (Loss)/Gain on Fair Value of Warrants***

Our warrants are recorded as liabilities at fair value, and the warrants are valued using a lattice model. Changes in the fair value of warrants are recorded as an unrealized gain or loss in our Statement of Operations. During the three months ended June 30, 2013 and 2012, we recorded an unrealized (loss)/gain on the fair value of our warrants of (\$1,206,656) and \$802,248. During the six months ended June 30, 2013 and 2012, we recorded an unrealized (loss)/gain on the fair value of our warrants of (\$837,754) and \$540,387. The change in the fair value of our warrants is a non-cash item reflected in our financial statements.

***Net Loss***

As a result of the above, net loss for the three and six months ended June 30, 2013 was \$3,108,750 and \$4,638,855, or \$0.03 and \$0.04 per share, respectively, compared to a net loss of \$1,042,402 and \$3,182,196, or \$0.01 and \$0.03 per share, respectively, for the three and six months ended June 30, 2012.

## **Research and Development Projects**

Research and development costs are expensed as incurred. Research and development expenses consist primarily of salaries and related personnel costs, costs to acquire pharmaceutical products and product rights for development and amounts paid to contract research organizations, hospitals and laboratories for the provision of services and materials for drug development and clinical trials. Costs incurred in obtaining the license rights to technology in the research and development stage and have no alternative future uses are expensed as incurred. Our research and development programs are related to our oncology clinical stage drug candidates, Archexin, RX-3117 and RX-5902, and pre-clinical stage drug candidates, RX-0047-Nano, RX-0201-Nano, and RX-21101. Each of our drug candidates is in various stages of completion as described below. As we expand our clinical studies, we will enter into additional development agreements.

Significant additional expenditures will be required if we complete our clinical trials, start new trials, apply for regulatory approvals, continue development of our technologies, expand our operations and bring our products to market. The eventual total cost of each clinical trial is dependent on a number of uncertainties such as trial design, the length of the trial, the number of clinical sites and the number of patients. The process of obtaining and maintaining regulatory approvals for new therapeutic products is lengthy, expensive and uncertain. Because the successful development of our most advanced drug candidates, Archexin, RX-3117, RX-5902, is uncertain, and because, RX-0047-Nano, RX-0201-Nano, and RX-21101 are in early-stage development, we are unable to estimate the costs of completing our research and development programs, the timing of bringing such programs to market and, therefore, when material cash inflows could commence from the sale of these drug candidates. If these projects are not completed as planned, our results of operations and financial condition could be negatively affected.

### **Archexin®**

Archexin is a 20 nucleotide single stranded DNA anti-sense molecule, which is a first-in-class inhibitor of the protein kinase Akt. Akt plays critical roles in cancer cell proliferation, survival, angiogenesis, metastasis, and drug resistance. Archexin received "orphan drug" designation from the FDA, for five cancer indications (renal cell carcinoma, or RCC, glioblastoma, ovarian cancer, stomach cancer and pancreatic cancer). The FDA orphan drug program provides seven years of marketing exclusivity after approval and tax incentives for clinical research. In August, 2012, we announced top line results of our Phase IIa clinical trial. The open label 2-stage study was designed to assess the safety and efficacy of Archexin in combination with gemcitabine. Stage 1 was the dose finding portion and Stage 2 was the dose expansion portion using the dose identified in Stage 1 to be administered with gemcitabine. The study enrolled 31 subjects aged 18-65 with metastatic pancreatic cancer at nine centers in the United States and India. The primary endpoint was overall survival following four cycles of therapy with a six month follow-up. For those evaluable patients, the study demonstrated that treatment with Archexin in combination with gemcitabine provided a median survival rate of 9.1 months compared to the historical survival data of 5.65 months for standard single agent gemcitabine therapy. The most frequent reported adverse events were constipation, nausea, abdominal pain and pyrexia, regardless of relatedness. Rexahn is evaluating options for advancing Archexin, including initiating Phase IIa clinical trials for chemo-resistant solid tumors and hematological malignancies in the second half of 2013. We own one issued U.S. patent for Archexin.

As of June 30, 2013, we have spent approximately \$6,680,000 for the development of Archexin. The Phase IIa trial for pancreatic cancer was completed in the third quarter of 2012, and we estimate that we have approximately an additional \$95,000 of costs yet to be billed by vendors for this trial. We currently estimate that additional Phase II trials for Archexin will cost approximately \$2,900,000.

### **RX-3117**

In 2009, we closed on the RELO and a securities purchase agreement (the "Purchase Agreement") with Teva for the development of our novel anti-cancer compound, RX-3117. RX-3117 is a small molecule, new chemical entity nucleoside compound that has an anti-metabolite mechanism of action, and has therapeutic potential in a broad range of cancers including colon, lung, and pancreatic cancer. The investment by TEVA is restricted to supporting the research and development program for the development of RX-3117. We will be eligible to receive royalties on net sales of RX-3117 worldwide. On January 19, 2011, we entered into a second amendment to the Purchase Agreement, whereby Teva purchased 2,334,515 shares of our common stock for \$3.95 million. This second amendment also provided for a possible third investment by Teva, in the amount of \$750,000. This compound entered into an exploratory Phase I clinical study during the first quarter of 2012. The primary objective of the study was to determine oral bioavailability of RX-3117 in humans. On August 6, 2012, we released the results that the study demonstrated the oral bioavailability of RX-3117 in humans, and with no adverse events reported in the study. On December 7, 2012, Teva exercised the third investment option, which constituted the final closing of the Purchase Agreement, and we issued 2,083,333 shares for \$750,000. On December 27, 2012 we received \$926,000 from Teva pursuant to a second amendment to the RELO for the further development of RX-3117. On July 15, 2013, we announced that Teva submitted an Investigational New Drug ("IND") application for RX-3117 to the FDA. We anticipate that RX-3117 will enter a Phase I clinical trial in the second half of 2013.

## ***RX-5902***

RX-5902 is a first-in-class small molecule that inhibits the phosphorylated p68 RNA helicase, a protein that plays a key role in cancer growth, progression, and metastasis. In July, 2012, we submitted an IND Application to the FDA for RX-5902. As of June 30, 2013, we have incurred approximately \$1,700,000 for the development of RX-5902. RX-5902 may enter Phase I clinical trials during the third quarter of 2013. We estimate the costs of the Phase I clinical study to be approximately \$1,800,000.

## ***Serdaxin and Zoraxel***

We also have two clinical stage central nervous system candidates, Serdaxin and Zoraxel. We developed Serdaxin for the treatment of depression and neurodegenerative disorders. On November 4, 2011 we released results that the study showed Serdaxin did not demonstrate efficacy compared to a placebo group as measured by the Montgomery Asberg-Depression Rating Scale. At this point, we are currently not allocating resources to further the development of Serdaxin and are looking for partners to fund clinical development.

We developed Zoraxel for the treatment of sexual dysfunction. Given the results of the Serdaxin clinical trial, and the fact that Serdaxin and Zoraxel share a common ingredient, we are not allocating resources to further the development of Zoraxel, and are looking for partners to fund the clinical development.

## ***Pre-clinical Pipeline***

RX-0201-Nano, RX-0047-Nano and RX-21101 are all in a pre-clinical stage of development. Through June 30, 2013, the costs incurred for development of these compounds to date have been approximately \$2,482,000. The estimated cost to complete pre-clinical toxicology and Phase I clinical trials is estimated to be approximately \$1,500,000 per each compound.

In July, 2013, we signed an exclusive license agreement with the University of Maryland, Baltimore for a novel drug delivery platform, Nano-Polymer-Drug Conjugate Systems. This platform combines existing chemotherapeutic agents with a proprietary polymer carrier that contains a signaling moiety which directs the drug into the tumor. RX-21101 is our first drug candidate utilizing this platform, and is a conjugated form of docetaxel, a common chemotherapy agent.

The conduct of the clinical trial and toxicology studies described above are being accomplished in conjunction with third-party clinical research organizations at external locations. This business practice is typical for the pharmaceutical industry and companies like us. As a result, the risk of completion or delay of these studies is not within our direct control and a program delay may occur due to circumstances outside our control. A delay in any of these programs may not necessarily have a direct impact on our daily operations. However, to the extent that a delay results in additional cost to us, unexpected expenses may result.

We will need to raise additional money through debt and/or equity offerings in order to continue to develop our drug candidates. If we are not able to raise sufficient additional money, we will have to reduce our research and development activities. We will first reduce research and development activities associated with our preclinical compounds. To the extent necessary, we will then reduce our research and development activities related to some or all of our clinical drugs.

## **Liquidity and Capital Resources**

### **Operating Activities**

Cash used in operating activities was \$4,055,248 for the six months ended June 30, 2013. The operating cash flows during the six months ended June 30, 2013 reflect our net loss of \$4,638,855 and a net increase of cash components of working capital and non-cash charges totaling \$583,607. Cash used in operating activities was \$3,896,381 for the six months ended June 30, 2012.

Cash provided by investing activities was \$521,313 for the six months ended June 30, 2013, consisted of a decrease in restricted cash of \$522,922, offset by \$1,609 for the purchase of equipment. Cash provided by investing activities for the six months ended June 30, 2012 was \$2,517,874.

Cash provided by financing activities was \$26,739 for the six months ended June 30, 2013 which consisted of an exercise by a warrant holder. There was no cash provided by financing activities for the six months ended June 30, 2012.

For the six months ended June 30, 2013, we experienced a net loss of \$4,638,855. Our accumulated deficit as of June 30, 2013 was \$67,950,138.

We have not yet generated commercial sales revenue and have been able to fund our operating losses to date through the sale of our common stock, convertible debt financings, interest income from investments of cash and cash equivalents and proceeds from reimbursed research and development costs. During the six months ended June 30, 2013, we had a net decrease in cash and cash equivalents of \$3,507,196. Total cash as of June 30, 2013 was \$9,979,347 compared to \$13,486,543 as of December 31, 2012. Total cash, restricted cash, and marketable securities as of June 30, 2013 were \$10,648,226.

On July 26, 2013 we closed on a registered direct public offering to issue and sell 11,400,000 shares of common stock and warrants to purchase up to 3,990,000 shares of common stock. The common stock and warrants were sold in units, consisting of common stock and a warrant to purchase 0.35 shares of common stock, at a price of \$0.50 per share, and the warrants have an exercise price of \$0.59 per share. The total gross proceeds of the offering were \$5,700,000. The warrants issued are exercisable beginning six months after the closing date until the five-year anniversary of the closing date, and were recorded as liabilities at fair value.

Although we expect to have to pursue additional financing, there can be no assurance that we will be able to secure financing when needed or obtain such financing on terms satisfactory to us, if at all, or that any additional funding we do obtain will be sufficient to meet our needs in the long term. If we are not able to raise sufficient additional financing, we may not be able to fund the research and development.

### **Contractual Obligations**

We have contracted with various vendors to provide research and development services. The terms of these agreements usually require an initiation fee and monthly or periodic payments over the term of the agreement, ranging from 2 months to 36 months. The costs to be incurred are estimated and are subject to revision. As of June 30, 2013, the total contract value of these agreements was approximately \$20,888,410 and we made payments totaling \$19,066,863 under the terms of the agreements. All of these agreements may be terminated by either party upon appropriate notice as stipulated in the respective agreements.

On September 9, 2010, we and three of our key executives entered into Amended and Restated Employment Agreements. The Amended and Restated Employment Agreements replace the prior employment contracts entered into on August 10, 2009. We entered into the Amended and Restated Employment Agreements in order to provide the key executives with: (i) an automatic one year renewal upon the expiration of the initial three year term and upon each consecutive year term unless such employment with the Company is terminated earlier by the Company or the executives; (ii) an annual base salary adjustment for inflation as determined by the Consumer Price Index subject to review by the Company's Compensation Committee; (iii) an increase in the Company provided life insurance coverage from an amount equal to two times the executive's annual base salary to an amount equal to four times the executive's annual base salary; and (iv) a one-time cash payment, subject to applicable withholding requirements under applicable state and federal law, in an amount equal to the executive's increased income tax costs as a result of payments made to the executive by the Company under the change of control provisions of the Amended and Restated Employment Agreement. Other than these changes, the new contracts have substantially similar terms to the executives' prior employment agreements. The agreements resulted in annual commitments of \$350,000 to Dr. Chang H. Ahn, our former CEO and current Chief Scientist, \$250,000, to Mr. Rick Soni, our President and Chief Operating Officer, and \$215,000 for Mr. Tae Heum Jeong, our Chief Financial Officer.

Effective as of February 4, 2013, the Company entered into an employment agreement with Dr. Peter Suzdak to serve as the Company's Chief Executive Officer for a term of two years with the option to renew the employment agreement for additional one-year periods thereafter until terminated. Pursuant to the employment agreement the Company agreed to pay Dr. Suzdak an annual base salary of \$330,000, with the option of a discretionary annual cash bonus of up to forty percent of his base salary, as determined by performance objectives and milestones set by the Board of Directors.

On March 25, 2013, the Company entered into a new employment agreement with Dr. Ahn to serve as the Chief Scientist of the Company. This employment agreement replaces and supersedes Dr. Ahn's prior Amended and Restated Employment Agreement, dated as of September 9, 2010, with the Company. The employment agreement has a one year term with an automatic renewal option for additional one-year periods thereafter until terminated. Pursuant to the employment agreement, the Company agreed to pay Dr. Ahn an annual base salary of \$285,000 with the option of a discretionary annual cash bonus as determined by the Compensation Committee based on performance objectives and milestones set by the Board of Directors. The employment agreement also provides for a discretionary stock option award to purchase shares of the Company's common stock on each anniversary of the employment agreement as determined by the Board of Directors. Any such stock option awards to be in accordance with the terms of the Company's stock option plan.

On June 22, 2009, we entered into a License Agreement with Korea Research Institute of Chemical Technology (KRICT) to acquire the rights to all intellectual properties related to Quinoxaline-Piperazine derivatives that were synthesized under a Joint Research Agreement. The initial license fee was \$100,000, all of which was paid as of December 31, 2009. The agreement with KRICT calls for a one-time milestone payment of \$1,000,000 within 30 days after the first achievement of marketing approval of the first commercial product arising out of or in connection with the use of KRICT's intellectual properties. As of June 30, 2013, this milestone has not occurred.

On June 29, 2009, we signed a five year lease for 5,466 square feet of office space in Rockville, Maryland commencing on June 29, 2009. Under the leasing agreement, we pay our allocable portion of real estate taxes and common area operating charges in addition to our base rent. We paid \$40,199 and \$39,219, for rent under this lease in the three months ended June 30, 2013 and 2012, respectively, and \$80,398 and \$78,437 for rent for the six months ended June 30, 2013 and 2012, respectively. On June 7, 2013, we entered into the First Amendment to the lease agreement. According to the terms of the amendment, we extended our lease term until June 30, 2019. The amendment term begins on July 1, 2013 with an annual base rent of \$100,210 and requires annual base rent increases over the next six years.

In connection with the lease agreement, we issued a letter of credit of \$100,000 in favor of the lessor. On August 2, 2010 and July 1, 2011, the letter of credit was reduced to \$50,000, and \$37,500 respectively, per the lease agreement. We have restricted cash equivalents of the same amount for the letter of credit.

On September 21, 2009, the Company closed on the Purchase Agreement with Teva, under which Teva purchased 3,102,837 shares of our common stock for \$3.5 million. Contemporaneous with the execution and delivery of this agreement, the parties executed a research and the RELO pursuant to which the Company agreed to use \$2,000,000 from the gross proceeds of the issuance and sale of shares to Teva to fund a research and development program for the pre-clinical development of RX-3117. On January 19, 2011, the Company entered into a second amendment to the Purchase Agreement in which Teva purchased 2,334,515 shares of the common stock of the Company for gross proceeds of \$3,950,000, which the Company agreed to use for the further preclinical development of RX-3117. On December 7, 2012, Teva exercised its option to purchase \$750,000 of common stock, and we issued Teva 2,083,333 shares. This constituted the third and final closing agreed to in the Purchase Agreement, and the use of these funds is not restricted. On December 27, 2012, we received \$926,000 of research funding for the development of RX-3117 from Teva in accordance with a second amendment to the RELO agreement, entered into on November 27, 2012. We did not issue equity for this transaction.

The table below summarizes the investments made under the Purchase Agreement and RELO:

<b>Date of Investment</b>	<b>Investment Amount</b>	<b>Shares Issued</b>	<b>Proceeds Remaining in Restricted Cash as of 6/30/13</b>	<b>Deferred Research and Development Arrangements Balance at 6/30/13</b>
9/21/2009	\$ 3,500,000	3,102,837	\$ -	\$ -
1/19/2011	3,950,000	2,334,515	-	-
12/7/2012	750,000	2,083,333	-	-
12/27/2012	926,000	-	531,379	531,379
<b>Total</b>	<b>\$ 9,126,000</b>	<b>7,520,685</b>	<b>\$ 531,379</b>	<b>\$ 531,379</b>

On May 30, 2012, and June 22, 2011, we signed a one year renewal to use lab space commencing on July 1, 2012 and 2011, respectively. The lease requires monthly rental payments of \$4,554. Rent paid under the lease during the three and six months ended June 30, 2013 and 2012 was \$13,662 and \$27,324, respectively. On June 24, 2013 we extended the agreement for another year with monthly rental payments of \$4,554.

We established a 401(k) plan for our employees where we match 100% of the first 3% of the employee's deferral plus 50% of an additional 2% of the employee's deferral. Expense related to this matching contribution aggregated \$20,531, and \$17,873 for the three months ended June 30, 2013 and 2012, respectively. Expense related to the matching contribution aggregated \$38,247 and \$36,337 for the six months ended June 30, 2013 and 2012 respectively.

### ***Current and Future Financing Needs***

We have incurred negative cash flow from operations since we started our business. We have spent, and expect to continue to spend, substantial amounts in connection with implementing our business strategy, including our planned product development efforts, our clinical trials, and our research and development efforts. Total cash, including restricted cash, and marketable securities, was \$10,648,226 as of June 30, 2013. Based on our current plans and our capital resources, we believe that our cash, restricted cash, and marketable securities will be sufficient to enable us to meet our minimum planned operating needs over the next eighteen to twenty-four months which would entail focusing our resources on Phase II clinical trials of Archexin, Phase I clinical trials of RX-3117 and RX-5902, and the further development of our preclinical pipeline. Over the next twelve months, we expect to spend a minimum of approximately \$2.1 million for Phase II clinical trials of Archexin. We also expect to pay \$1.3 million on the development of RX-3117 and RX-5902, \$2.7 million for the development of our preclinical pipeline and general research and development costs, \$3.0 million on general corporate expenses, and approximately \$150,000 on facilities rent. These figures include our commitments described earlier under "Contractual Obligations" under this Item 2. We will need to seek additional financing to implement and fund drug candidate development, clinical trial and research and development efforts to the maximum extent of our operating plan, including in-vivo animal and pre-clinical studies, clinical trials for new product candidates, as well as other research and development projects. If we are not able to secure additional financing, we may not be able to implement and fund the research and development

However, the actual amount of funds we will need to operate is subject to many factors, some of which are beyond our control. These factors include the following:

- the progress of our product development activities;
- the number and scope of our product development programs;
- the progress of our pre-clinical and clinical trial activities;
- the progress of the development efforts of parties with whom we have entered into collaboration agreements;
- our ability to maintain current collaboration programs and to establish new collaboration arrangements;
- the costs involved in prosecuting and enforcing patent claims and other intellectual property rights; and
- the costs and timing of regulatory approvals.

### **Impact of Inflation**

To date inflationary factors have not had a significant effect on our operations.

### **Off-Balance Sheet Arrangements**

We do not have any off-balance sheet arrangements.

### **Item 3. Quantitative and Qualitative Disclosures About Market Risk.**

Per Item 305(e) of Regulation S-K, a smaller reporting company is not required to provide the information required by this item.

### **Item 4. Controls and Procedures**

#### **Disclosure Controls and Procedures**

As of the end of the period covered by this Quarterly Report on Form 10-Q, the Company carried out an evaluation, under the supervision and with the participation of the Company's management, including the Company's Chief Executive Officer ("CEO") along with the Company's Chief Financial Officer ("CFO"), of the effectiveness of the Company's disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")). Based on that evaluation, the CEO along with the CFO concluded that the Company's disclosure controls and procedures were effective as of the end of the period covered by this report.

The Company's management, including the CEO and CFO, does not expect that the Company's disclosure controls and internal controls will prevent all errors and all fraud. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, within the Company have been detected. These inherent limitations include the realities that judgments in decision making can be faulty, and that breakdowns can occur because of simple error or mistake. Additionally, controls can be circumvented by the individual acts of some persons, by collusion of two or more people, or by management override of the controls.

#### **Changes in Internal Control Over Financial Reporting**

There have not been any changes in the Company's internal controls over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) during the quarter ended June 30, 2013 that have materially affected, or are reasonably likely to materially affect, the Company's internal controls over financial reporting.

**PART II. Other Information**

**Item 1. Legal Proceedings.**

None

**Item 1A. Risk Factors.**

There were no material changes to the risk factors as previously disclosed under item 1A of the Company's Annual Report on Form 10-K for the year ended December 31, 2012, as filed with the SEC on March 22, 2013.

**Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.**

Pursuant to a consulting agreement, dated May 8, 2013, by and between Corporate Profile, LLC, and the Company, the Company issued 120,000 shares of common stock to Corporate Profile, LLC in consideration for investor relations services. The shares of common stock were not registered under the Exchange Act of 1933, as amended (the "Securities Act") pursuant to the exemptions from registration requirements provided by Section 4(2) of the Securities Act.

Pursuant to an advisory service agreement, dated June 10, 2013, by and between Meyers Associated, L.P, and the Company, the Company issued 200,000 shares of common stock to Meyers Associates, L.P. in consideration for financial advisory services. The shares of common stock were not registered under the Securities Act pursuant to the exemptions from registration requirements provided by Section 4(2) of the Securities Act.

**Item 3. Defaults Upon Senior Securities.**

None

**Item 4. Mine Safety Disclosures**

Not Applicable

**Item 5. Other Information.**

None

**Item 6. Exhibits.**

<u>Exhibit No</u>	<u>Description</u>
10.1	Lease amendment dated as of June 7, 2013 by and between Rexahn Pharmaceuticals, Inc. and SG Plaza Holdings, LLC
31.1	Certification of Chief Executive Officer pursuant to Rules 13a-14(a) / 15d-14(a)
31.2	Certification of Chief Financial Officer pursuant to Rules 13a-14(a) / 15d-14(a)
32.1	Certification of Chief Executive Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
32.2	Certification of Chief Financial Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
101	The following materials from Rexahn Pharmaceuticals, Inc.'s Quarterly Report on Form 10-Q, formatted in Extensible Business Reporting Language ("XBRL"): i) Condensed Balance Sheet, ii) Condensed Statement of Operations, iii) Condensed Statement of Cash Flows and (iv) Notes to the Financial Statements.

**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 thereunto duly authorized.

REXAHN PHARMACEUTICALS, INC.  
(Registrant)

Date: August 12, 2013

By: /s/ Peter D. Suzdak

Peter D. Suzdak  
Chief Executive Officer  
(principal executive officer)

Date: August 12, 2013

By: /s/ Tae Heum Jeong

Tae Heum Jeong  
Chief Financial Officer and Secretary  
(principal financial and accounting officer)

**INDEX TO EXHIBITS**  
**Quarterly Report on Form 10-Q**  
**Dated June 30, 2013**

<u>Exhibit No</u>	<u>Description</u>	<u>Location</u>
<a href="#">10.1</a>	Lease amendment dated as of June 7, 2013 by and between Rexahn Pharmaceuticals, Inc. and SG Plaza Holdings, LLC	Filed herewith
<a href="#">31.1</a>	Certification of Chief Executive Officer pursuant to Rules 13a-14(a) / 15d-14(a)	Filed herewith
<a href="#">31.2</a>	Certification of Chief Financial Officer pursuant to Rules 13a-14(a) / 15d-14(a)	Filed herewith
<a href="#">32.1</a>	Certification of Chief Executive Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	Filed herewith
<a href="#">32.2</a>	Certification of Chief Financial Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	Filed herewith
101.INS	XBRL Instance Document	Filed herewith
101.SCH	XBRL Taxonomy Extension Schema	Filed herewith
101.CAL	XBRL Taxonomy Extension Calculation Linkbase	Filed herewith
101.DEF	XBRL Taxonomy Extension Definition Linkbase	Filed herewith
101.LAB	XBRL Taxonomy Extension Label Linkbase	Filed herewith
101.PRE	XBRL Taxonomy Extension Presentation Linkbase	Filed herewith

**FIRST AMENDMENT TO LEASE**

This First Amendment to Lease (the "First Amendment") is made and entered into this day of June, 2013 ("Effective Date"), by and between **SG PLAZA HOLDINGS, LLC**, a Delaware limited liability company ("Landlord"), and **REXAHN PHARMACEUTICALS, INC.**, a Delaware corporation ("Client").

WHEREAS, The Realty Associates Fund V, L.P., as landlord ("Original Landlord"), and Client entered into a Standard Office Lease and Addendum thereto ("Addendum"), both dated June 5, 2009 (together the "Lease"), under which Client leases approximately five thousand four hundred sixty-six (5,466) rentable square feet of space known as Suite 455 (the "Premises") in the building located at 15245 Shady Grove Road, Rockville, Maryland 20850, and known as Shady Grove Plaza (the "Building"); and

WHEREAS, Landlord has succeeded to the interest of Original Landlord in the Building and the Lease; and

WHEREAS, the Lease is scheduled to expire on June 30, 2014; and

WHEREAS, Landlord and Client wish, among other matters, to amend the Lease to extend the Lease Term, all on the terms hereinafter contained.

NOW THEREFORE, in consideration of the foregoing, and other good and valuable consideration, the receipt and sufficiency of which is acknowledged by the parties, the parties agree as follows:

1. **Extension Term.** The Extension Term of the Lease shall commence on July 1, 2013 (the "Extension Term Commencement Date") and shall expire on June 30, 2019.

2. **Base Rent for Extension Term.** Effective as of the Extension Term Commencement Date, Client shall pay to Landlord Base Rent for the Premises at a rate of Twenty- Seven and 50/100 Dollars (\$27.50) per rentable square foot of space, in legal tender, at Landlord's office, the annualized sum of One Hundred Fifty Thousand Three Hundred Fifteen and 00/100 Dollars (\$150,315.00), payable in equal monthly installments of Twelve Thousand Five Hundred Twenty-six and 25/100 Dollars (\$12,526.25), in advance, promptly on the first day of each calendar month of the Extension Term, without notice or demand, the same being hereby waived, and without any setoff, deduction, or recoupment whatsoever. Notwithstanding the foregoing, so long as Client is not in Default under the Lease (as amended hereby), Landlord shall abate one-half (1/2) of the Base Rent otherwise payable for the first eight (8) months of the Extension Term.

3. **Escalation of Base Rent.** The Base Rent shall be increased annually, effective on July 1, 2014 and on each July 1<sup>st</sup> thereafter during the Extension Term, by an amount equal to two and one-half percent (2.5%) of the escalated Base Rent then in effect, payable as follows:

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Period	Base Rent Per Square Foot	Monthly Base Rent	Annualized Base Rent
07/01/13-02/28/14	\$ 27.50	\$ 6,263.13*	\$ 75,157.56*
03/01/14 - 06/30/14	\$ 27.50	\$ 12,526.25	\$ 150,315.00
07/01/14-06/30/15	\$ 28.19	\$ 12,840.55	\$ 154,086.54
07/01/15-06/30/16	\$ 28.89	\$ 13,159.40	\$ 157,912.74
07/01/16-06/30/17	\$ 29.61	\$ 13,487.36	\$ 161,848.26
07/01/17-06/30/18	\$ 30.35	\$ 13,824.43	\$ 165,893.10
07/01/18-06/30/19	\$ 31.11	\$ 14,170.61	\$ 170,047.26

\*Reflects abatement of one-half (1/2) of Base Rent otherwise payable for this period, so long as Client is not in default hereunder.

4. **Operating Expenses and Real Property Taxes Payable During Extension Term.** Client shall not be responsible for the payment of Client's Share of increased Operating Expenses or Client's Share of increased Real Property Taxes (the "Passthroughs") from the Extension Term Commencement Date through December 31, 2014. Effective on and after January 1, 2015, Client shall pay the Passthroughs in accordance with the provisions of the Lease, except that the Base Year with respect to the Passthroughs shall mean calendar year 2014, grossed up to reflect a ninety-five percent (95%) occupancy for the Base Year and any subsequent years.

5. **Improvements to Premises.** Client agrees to accept the Premises in its then "as is" condition as of the Extension Term Commencement Date; provided, however, that, effective as of the Extension Term Commencement Date, Landlord shall make available to Client an allowance of up to Ten and 00/100 Dollars (\$10.00) per rentable square foot in the Premises ("Allowance"), which Allowance may be used by Client for the hard and soft costs of improvements to the Premises, including furniture, fixtures, equipment, tel/data cabling and wiring and consultants ("Client's Work"). Client shall perform Client's Work in accordance with and subject to the provisions of the Lease, including, without limitation, Section 7.3 ("Alterations and Additions"). So long as Client is not in Default under the Lease (as amended hereby), Landlord shall make payments to Client from the Allowance for the cost of improvements made to the Premises, provided that such payments shall not exceed, in the aggregate, the Allowance. The Allowance shall be available to Client upon timely submission of Client's statement ("Statement") with all required lien waivers and certificates as provided below as construction of the improvements to the Premises progresses and Client incurs expenses toward which the Allowance may be applied. Each Statement delivered by Client shall show, in reasonable detail, all costs incurred and shall be accompanied by invoices of each contractor, subcontractor, supplier or vendor for which payment is sought, and a lien waiver and a certificate, from each contractor and subcontractor whose contract has an aggregate value equal to or greater than \$2,500, certifying that all payments then due such contractor or subcontractor and to laborers, materialmen and subcontractors under it have been made, except the amounts then being requisitioned. All contract documents and requisitions submitted by Client for payments from the Allowance relating to design and construction shall be in the then current ALA format. Disbursement shall be made from the Allowance on or before thirty (30) days after Landlord receives Client's complete and correct Statements with all required supporting documentation. Notwithstanding the foregoing, Client shall forfeit any amount of the Allowance for which, on or before December 31, 2014, Client has not submitted complete Statements with all required supporting documentation.

6. **Security Deposit.** Client's existing Security Deposit L/C in the amount of Thirty-Seven Thousand Five Hundred and 00/100 Dollars (\$37,500.00) shall remain in place until its expiration on June 30, 2014. On or before July 1, 2014, Client shall deposit with Landlord a Security Deposit in the form of cash or L/C meeting the requirements of Section 2(a) of the Addendum in the amount of two (2) full months of the then-current Base Rent (i.e., a total of \$25,681.10), to be held by Landlord for the remainder of the Extension Term in accordance with the provisions of the Lease.

7. **Fitness and Conference Centers.**

a. **Conference Center.** During the Extension Term, Client shall have the non-exclusive right, at no charge to Client on weekdays during normal business hours, to utilize the conference center on the concourse level of the Building, provided, that such use shall be on a pre-reserved, first-come, first-served and "as available" basis. Client's use of the conference center also shall be free of charge outside normal business hours, except that Client shall be responsible for paying, as additional rent, the cost of any Overtime HVAC (chargeable at Landlord's standard hourly rate) provided to the conference center during such use.

b. **Fitness Center.** During the Extension Term, Client also shall have the non-exclusive right, at no charge to Client, to use the fitness facility on the concourse level of the Building ("Fitness Facility") during the Fitness Facility's hours of operation. Use of the Fitness Facility will be limited to tenants (including any permitted assignees and subtenants) of the Building and their employees on a non-exclusive basis. Client and its employees shall use the Fitness Facility at its own risk and will provide any certifications of waiver of liability as Landlord may request from time to time. Without limiting the generality of the foregoing, each user of the Fitness Facility shall be required to execute and deliver a waiver of liability in the form attached hereto as **Exhibit A**. Notwithstanding anything in this Lease to the contrary, Landlord shall have the right at any time, in its sole and absolute discretion to cease the operation of all or any portion of the Fitness Facility and thereafter use the space and equipment for any purpose that Landlord determines and to staff the Fitness Facility (or not) and contract or terminate any party hired in connection therewith. To the extent the Fitness Facility is operated by a third party, Landlord shall use commercially reasonable efforts to replace the operator should operations cease. Notwithstanding anything set forth herein to the contrary, in the event Landlord establishes a managed fitness center concept, Landlord may charge customary rates for the use of the Fitness Facility.

8. **Parking.** Client shall continue to have the right to use up to eighteen (18) unreserved parking spaces in the parking facility at the Project at no expense to Client during the Extension Term, such parking spaces to be used by Client in accordance with and subject to the provisions of Section 16 of the Lease.

9. **Client's Access to Premises.** Subject to Landlord's reasonable regulations, Client shall have access to the Premises 24 hours per day, 365 days per year, except in the case of an emergency or when the Building may be closed by governmental authorities.

10. **Option to Renew.** Client shall have one (1) additional option to renew the Term of the Lease, in accordance with and subject to the provisions of Section 4 of the Addendum.

11. **Brokerage.** Client warrants that it has had no dealings with any broker or agent other than Studley, Inc., Client's agent, and Lincoln Property Company, Landlord's agent (together, the "Brokers"), in connection with the negotiation or execution of this Second Amendment, and Client agrees to indemnify Landlord against all costs, expenses, attorneys' fees or other liability for commissions or other compensation or charges claimed by any other broker or agent claiming the same by, through or under Client.

12. **Lease Terms Amended or Deleted.** As of the Effective Date, the following provisions of the Lease are amended or deleted:

- a. Section 1.17 of the Lease is modified to provide the following for Landlord's notice for addresses:

SG Plaza Holdings, LLC  
c/o Meritage Properties  
2 Overhill Road, Suite 425  
Scarsdale, NY 10583

- b. Section 1.18 of the Lease is modified to provide the following for Landlord's address for payments:

c/o M. Robert Goldman & Co., Inc.  
100 Jericho Quadrangle, Suite 336  
Jericho, New York 11753-2702  
Attention: Lori Handyside

- c. All references in the Lease to "Tenant" shall be replaced with "Client".

d. The following provisions of the Lease are deleted in their entirety: Addendum, Section 3 ("Tenant Improvements"); Schedule 1 ("Work Letter"); and Schedule 1-A ("Space Plan").

13. **Defined Terms.** Except as otherwise expressly provided herein, all defined terms shall have the same meanings as provided in the Lease.

14. **Headings.** Headings contained in this First Amendment are for convenience only and are not substantive to the provisions of this First Amendment.

15. **Lease Terms Ratified.** Except as otherwise expressly provided herein, and unless inconsistent with the terms hereof, all other terms, conditions and covenants of the Lease are hereby ratified and confirmed, and shall apply to the Extension Term. Client certifies to Landlord that the Lease is in full force and effect, that Landlord is not in default or breach of any of Landlord's obligations under the Lease, and that Client is unaware of any condition or circumstance which, but for the passage of time or delivery of notice, would constitute a default by Landlord under the Lease.

*[SIGNATURE PAGE FOLLOWS]*

IN WITNESS WHEREOF, the parties have executed this First Amendment by affixing their hands and seals as of the date noted above.

**Client:**

WITNESS/ATTEST:

**REXAHN PHARMACEUTICALS, INC.**, a Delaware corporation

Mark K B Lee  
Mark Lee

By: /s/ Tae H. Jeong [SEAL]  
Name: Tae H. Jeong  
Title: CFO

**Landlord:**

WITNESS/ATTEST:

**SG PLAZA HOLDINGS, LLC**, a Delaware limited liability company

Rocio Brown

By: /s/ Arthur DellaSalla  
Arthur DellaSalla

**CERTIFICATION PURSUANT TO RULES 13A-14(A)  
AND 15D-14(A)**

I, Peter D. Suzdak, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Rexahn Pharmaceuticals, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: August 12, 2013

/s/ Peter D. Suzdak

Peter D. Suzdak

Chief Executive Officer

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**CERTIFICATION PURSUANT TO RULES 13A-14(A)  
AND 15D-14(A)**

I, Tae Heum Jeong, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Rexahn Pharmaceuticals, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: August 12, 2013

/s/ Tae Heum Jeong

Tae Heum Jeong

Chief Financial Officer

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CERTIFICATION OF  
CHIEF EXECUTIVE OFFICER  
PURSUANT TO  
18 U.S.C. SECTION 1350

**SECTION 1350 CERTIFICATION\***

In connection with the Quarterly Report of Rexahn Pharmaceuticals, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2013 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Peter D. Suzdak, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

Dated: August 12, 2013

By: /s/ Peter D. Suzdak  
Peter D. Suzdak,  
Chief Executive Officer

\* This Certification is being furnished as required by Rule 13a-14(b) under the Securities Exchange Act of 1934 (the "Exchange Act") and Section 1350 of Chapter 63 of Title 18 of the United States Code, and shall not be deemed "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liability of that section. This Certification shall not be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Exchange Act, except as otherwise stated in such filing.

A signed original of this written statement required by 18 U.S.C. § 1350 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

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CERTIFICATION OF  
CHIEF FINANCIAL OFFICER  
PURSUANT TO  
18 U.S.C. SECTION 1350

**SECTION 1350 CERTIFICATION\***

In connection with the Quarterly Report of Rexahn Pharmaceuticals, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2013 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Tae Heum Jeong, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

Dated: August 12, 2013

By: /s/ Tae Heum Jeong  
Tae Heum Jeong,  
Chief Financial Officer

\* This Certification is being furnished as required by Rule 13a-14(b) under the Securities Exchange Act of 1934 (the "Exchange Act") and Section 1350 of Chapter 63 of Title 18 of the United States Code, and shall not be deemed "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liability of that section. This Certification shall not be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Exchange Act, except as otherwise stated in such filing.

A signed original of this written statement required by 18 U.S.C. § 1350 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

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