
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 September 30, 2011

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 Number 001-32157

ADVENTRX Pharmaceuticals, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

84-1318182

(I.R.S. Employer Identification No.)

12390 El Camino Real, Suite 150, San Diego, CA

(Address of principal executive offices)

92130

(Zip Code)

(858) 552-0866

(Registrant's telephone number, including area code)

N/A

(Former name, former address and former fiscal year, if changed since last report)

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 the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

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

The number of shares outstanding of the registrant's common stock, \$0.001 par value per share, as of November 3, 2011 was 26,465,709.

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PART I — FINANCIAL INFORMATION**Item 1. Financial Statements**

ADVENTRX Pharmaceuticals, Inc. and Subsidiaries
(A Development Stage Enterprise)
Condensed Consolidated Balance Sheets
(Unaudited)

	<u>September 30,</u> <u>2011</u>	<u>December 31,</u> <u>2010 (1)</u>
Assets		
Current assets:		
Cash and cash equivalents	\$ 32,768,888	\$ 27,978,823
Short-term investments	5,522,955	—
Interest and other receivables	6,869	1,980
Contingent asset	178,366	—
Prepaid expenses	<u>560,802</u>	<u>428,276</u>
Total current assets	39,037,880	28,409,079
Property and equipment, net	235,527	44,254
In-process research and development	6,549,000	—
Goodwill	403,795	—
Other assets	<u>48,311</u>	<u>33,484</u>
Total assets	<u>\$ 46,274,513</u>	<u>\$ 28,486,817</u>
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 489,200	\$ 479,780
Accrued liabilities	1,312,882	864,857
Accrued compensation and payroll taxes	675,715	456,839
Contingent liability	<u>644,000</u>	<u>—</u>
Total current liabilities	<u>3,121,797</u>	<u>1,801,476</u>
Stockholders' equity:		
Common stock, \$0.001 par value; 500,000,000 shares authorized; 26,465,709 and 15,480,302 shares issued and outstanding at September 30, 2011 and December 31, 2010, respectively	26,466	15,480
Additional paid-in capital	210,166,429	182,798,982
Accumulated other comprehensive loss	(23,103)	—
Deficit accumulated during the development stage	<u>(167,017,076)</u>	<u>(156,129,121)</u>
Total stockholders' equity	<u>43,152,716</u>	<u>26,685,341</u>
Total liabilities and stockholders' equity	<u>\$ 46,274,513</u>	<u>\$ 28,486,817</u>

- (1) The balance sheet at December 31, 2010 has been derived from audited financial statements at that date. It does not include, however, all of the information and notes required by accounting principles generally accepted in the United States of America for complete financial statements.

See accompanying notes to unaudited condensed consolidated financial statements.

ADVENTRX Pharmaceuticals, Inc. and Subsidiaries
(A Development Stage Enterprise)
Condensed Consolidated Statements of Operations
(Unaudited)

	<u>Three months ended September 30,</u>		<u>Nine months ended September 30,</u>		Inception
	<u>2011</u>	<u>2010</u>	<u>2011</u>	<u>2010</u>	(June 12, 1996) through September 30, 2011
Licensing revenue	\$ —	\$ —	\$ —	\$ —	\$ 1,300,000
Net sales	—	—	—	—	174,830
Grant revenue	—	—	—	—	618,692
Total net revenue	—	—	—	—	2,093,522
Cost of sales	—	—	—	—	51,094
Gross margin	—	—	—	—	2,042,428
Operating expenses:					
Research and development	2,050,314	918,309	4,004,180	2,791,404	76,215,147
Selling, general and administrative	1,981,869	944,950	5,379,723	3,422,843	58,336,937
Transaction-related expenses	(487,836)	—	1,541,087	—	1,871,456
Depreciation and amortization	8,498	4,879	28,735	16,526	10,926,353
In-process research and development	—	—	—	—	10,422,130
Impairment loss	—	—	—	—	5,702,130
Equity in loss of investee	—	—	—	—	178,936
Total operating expenses	<u>3,552,845</u>	<u>1,868,138</u>	<u>10,953,725</u>	<u>6,230,773</u>	<u>163,653,089</u>
Loss from operations	(3,552,845)	(1,868,138)	(10,953,725)	(6,230,773)	(161,610,661)
Loss on fair value of warrants	—	—	—	—	(12,239,688)
Interest income	7,343	26,258	51,212	68,006	4,733,273
Interest expense	(272)	—	(272)	(1,629)	(180,991)
Other income (expense)	6,448	(2,019)	14,830	(2,019)	78,205
Loss before cumulative effect of change in accounting principle	(3,539,326)	(1,843,899)	(10,887,955)	(6,166,415)	(169,219,862)
Cumulative effect of change in accounting principle	—	—	—	—	(25,821)
Net loss	<u>(3,539,326)</u>	<u>(1,843,899)</u>	<u>(10,887,955)</u>	<u>(6,166,415)</u>	<u>(169,245,683)</u>
Preferred stock dividends	—	—	—	—	(621,240)
Deemed dividends on preferred stock	—	—	—	(5,639,796)	(10,506,683)
Net loss applicable to common stock	<u>\$ (3,539,326)</u>	<u>\$ (1,843,899)</u>	<u>\$ (10,887,955)</u>	<u>\$ (11,806,211)</u>	<u>\$ (180,373,606)</u>
Net loss per common share — basic and diluted	<u>\$ (0.13)</u>	<u>\$ (0.13)</u>	<u>\$ (0.43)</u>	<u>\$ (0.94)</u>	
Weighted average shares — basic and diluted	<u>26,465,709</u>	<u>14,701,216</u>	<u>25,170,734</u>	<u>12,593,971</u>	

See accompanying notes to unaudited condensed consolidated financial statements.

ADVENTRX Pharmaceuticals, Inc. and Subsidiaries
(A Development Stage Enterprise)
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	<u>Nine months ended September 30,</u>		<u>Inception</u>
	<u>2011</u>	<u>2010</u>	<u>(June 12, 1996)</u>
			<u>through</u>
			<u>September 30, 2011</u>
Cash flows from operating activities:			
Net loss	\$ (10,887,955)	\$ (6,166,415)	\$ (169,245,683)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation and amortization	28,735	16,526	10,476,355
(Gain) loss on disposals of fixed assets	(2,973)	2,019	56,812
Loss on fair value of warrants	—	—	12,239,688
Gain on change in fair value of contingent consideration	(318,785)	—	(318,785)
Expenses related to share-based compensation	533,704	604,772	9,757,646
Expense related to stock options issued to non-employees	—	—	204,664
Expenses paid by issuance of common stock	—	—	1,341,372
Expenses paid by issuance of warrants	—	—	573,357
Expenses paid by issuance of preferred stock	—	—	142,501
Expenses related to stock warrants issued	—	—	612,000
Accretion of discount on investments in securities	—	—	(1,604,494)
Amortization of debt discount	—	—	450,000
Forgiveness of employee receivable	—	—	30,036
Impairment loss — write-off of goodwill	—	—	5,702,130
Equity in loss of investee	—	—	178,936
In-process research and development	—	—	10,422,130
Write-off of license agreement	—	—	152,866
Write-off of assets available-for-sale	—	—	108,000
Cumulative effect of change in accounting principle	—	—	25,821
Changes in assets and liabilities, net of effect of acquisitions:			
Increase in prepaid expenses and other assets	(154,146)	(186,929)	(865,256)
Increase (decrease) in accounts payable and accrued liabilities	374,755	(1,277,316)	2,352,939
Net cash used in operating activities	<u>(10,426,665)</u>	<u>(7,007,343)</u>	<u>(117,206,965)</u>
Cash flows from investing activities:			
Purchases of short-term investments	—	—	(111,183,884)
Proceeds from sales and maturities of short-term investments	—	—	112,788,378
Purchases of property and equipment	(208,982)	(6,780)	(1,267,849)
Proceeds from sale of property and equipment	12,635	1,700	66,920
Purchase of certificate of deposits	(5,523,201)	—	(6,539,531)
Maturity of certificate of deposits	—	—	1,016,330
Payment on obligation under license agreement	—	—	(106,250)
Cash acquired from acquisitions, net of cash paid	—	—	32,395
Issuance of note receivable — related party	—	—	(35,000)
Payments on note receivable	—	—	405,993
Advance to investee	—	—	(90,475)
Cash transferred in rescission of acquisition	—	—	(19,475)
Cash received in rescission of acquisition	—	—	230,000
Net cash provided by (used in) investing activities	<u>(5,719,548)</u>	<u>(5,080)</u>	<u>(4,702,448)</u>

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	Nine months ended September 30,		Inception (June 12, 1996) through September 30, 2011
	2011	2010	
Cash flows from financing activities:			
Proceeds from sale of preferred stock	—	30,453,227	44,474,720
Proceeds of restricted cash for preferred stock dividends	—	633,008	633,008
Proceeds from sale of common stock	22,507,529	—	106,658,871
Proceeds from exercise of stock options	—	—	712,367
Proceeds from sale or exercise of warrants	—	317,444	14,714,258
Payment to escrow for preferred stock dividends obligation	—	(633,008)	(633,008)
Repurchase of warrants	—	—	(55,279)
Payments for financing and offering costs	(1,548,123)	(3,093,733)	(12,542,171)
Payments on notes payable and long-term debt	—	—	(605,909)
Proceeds from issuance of notes payable and detachable warrants	—	—	1,344,718
Cash paid in lieu of fractional shares for reverse stock split	—	(146)	(146)
Net cash provided by financing activities	<u>20,959,406</u>	<u>27,676,792</u>	<u>154,701,429</u>
Effect of exchange rate changes on cash	(23,128)	—	(23,128)
Net increase in cash and cash equivalents	4,790,065	20,664,369	32,768,888
Cash and cash equivalents at beginning of period	<u>27,978,823</u>	<u>8,667,404</u>	<u>—</u>
Cash and cash equivalents at end of period	<u>\$ 32,768,888</u>	<u>\$ 29,331,773</u>	<u>\$ 32,768,888</u>

See accompanying notes to unaudited condensed consolidated financial statements.

ADVENTRX Pharmaceuticals, Inc. and Subsidiaries
(A Development Stage Enterprise)
Notes to Condensed Consolidated Financial Statements
(Unaudited)

1. Basis of Presentation

ADVENTRX Pharmaceuticals, Inc., a Delaware corporation (“ADVENTRX,” “we,” “our” or the “Company”), prepared the unaudited interim condensed consolidated financial statements included in this report in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”) for interim financial information and with the instructions of the Securities and Exchange Commission (“SEC”). Accordingly, they do not include all of the information and disclosures required by U.S. GAAP for annual audited financial statements and should be read in conjunction with our audited consolidated financial statements and related notes for the year ended December 31, 2010 included in our Annual Report on Form 10-K filed with the SEC on March 10, 2011 (“2010 Annual Report”). The condensed consolidated balance sheet as of December 31, 2010 included in this report has been derived from the audited consolidated financial statements included in the 2010 Annual Report. In the opinion of management, these condensed consolidated financial statements include all adjustments (consisting of normal recurring adjustments) necessary for a fair presentation of the financial position, results of operations and cash flows for the periods presented. The results of operations for the interim periods shown in this report are not necessarily indicative of results expected for the full year.

The condensed consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries, SD Pharmaceuticals, Inc. and SynthRx, Inc. (“SynthRx”). All intercompany accounts and transactions have been eliminated in consolidation.

On April 23, 2010, the Company effected a 1-for-25 reverse split of its common stock, which was authorized by its stockholders at a special meeting held in August 2009.

2. Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the condensed consolidated financial statements and accompanying notes. Actual results could differ from those estimates.

3. Acquisition of SynthRx

On February 12, 2011, we entered into an agreement and plan of merger (the “Merger Agreement”) to acquire SynthRx, Inc., a privately-held Delaware corporation, in exchange for shares of our common stock as described below. The transaction was completed on April 8, 2011 and SynthRx became a wholly owned subsidiary of ADVENTRX. The acquisition is accounted for as a business combination.

As consideration for the transaction, all shares of SynthRx common stock outstanding immediately prior to the effective time of the merger were cancelled and automatically converted into the right to receive shares of ADVENTRX’s common stock, in the aggregate, as follows:

(i) 862,078 shares (the “Fully Vested Shares”) of ADVENTRX’s common stock, which shares were issued on April 8, 2011 and represent 1,000,000 shares, less 137,922 shares that were deducted as a result of certain expenses of SynthRx, and 200,000 of which were deposited into escrow (the “Closing Escrow Amount”) to indemnify ADVENTRX against breaches of representations and warranties;

(ii) up to 1,938,773 shares of ADVENTRX’s common stock, which shares were issued and outstanding on April 8, 2011 (the “Subject to Vesting Shares,” and together with the 862,078 Fully Vested Shares issued to the former stockholders of SynthRx and the escrow agent, the “Closing Shares”), which Subject to Vesting Shares are subject to various repurchase rights by ADVENTRX and fully vest, subject to reduction upon certain events, upon achievement of the First Milestone (defined below);

(iii) up to 1,000,000 shares of ADVENTRX’s common stock (the “First Milestone Shares”), which shares will be issued, if at all, upon achievement of the First Milestone (the “First Milestone Payment”); provided, however, that in the event the First Milestone is achieved prior to the first anniversary of the closing of the merger, 20% of the First Milestone Payment shall be deposited into escrow (the “First Milestone Escrow Amount,” and together with the Closing Escrow Amount, the “Escrow Amount”). The “First Milestone” means the dosing of the first patient in a phase 3 clinical study carried out pursuant to a protocol that is mutually agreed to by SynthRx and ADVENTRX; provided, however, that the number of evaluable patients planned to target statistical significance with a p value of 0.01 in the primary endpoint shall not exceed 250 (unless otherwise

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mutually agreed) (the “First Protocol”). In the event that the FDA indicates that a single phase 3 clinical study will not be adequate to support approval of a new drug application covering the use of ANX-188 for the treatment of sickle cell crisis in children (the “ANX-188 NDA”), “First Milestone” shall mean the dosing of the first patient in a phase 3 clinical study carried out pursuant to a protocol that (a) is mutually agreed to by SynthRx and ADVENTRX as such and (b) describes a phase 3 clinical study that the FDA has indicated may be sufficient, with the phase 3 clinical study described in the First Protocol, to support approval of the ANX-188 NDA. The amount of shares that becomes issuable upon achievement of the First Milestone may be reduced by up to 75%, or 750,000 shares, based on the timing of achievement of the First Milestone and whether and the extent to which the number of evaluable patients planned to target statistical significance with a p value of 0.01 in the primary endpoint exceeds 250 patients, unless otherwise agreed;

(iv) 3,839,400 shares of ADVENTRX’s common stock (the “Second Milestone Shares”), which shares will be issued, if at all, upon achievement of the Second Milestone (the “Second Milestone Payment”). The “Second Milestone” means the acceptance for review of the ANX-188 NDA by the FDA; and

(v) 8,638,650 shares of ADVENTRX’s common stock (the “Third Milestone Shares,” and together with the First Milestone Shares and the Second Milestone Shares, the “Milestone Shares”), which shares will be issued, if at all, upon achievement of the Third Milestone (the “Third Milestone Payment,” and together with the First Milestone Payment and the Second Milestone Payment, the “Milestone Payments”). The “Third Milestone” means the approval by the FDA of the ANX-188 NDA.

The Subject to Vesting Shares were issued on April 8, 2011 and classified as equity. However, ADVENTRX may repurchase up to 75% of the Subject to Vesting Shares, or 1,454,079 shares, for \$0.001 per share based on whether the First Milestone is achieved, the timing of its achievement and whether and the extent to which the number of evaluable patients planned to target statistical significance with a p value of 0.01 in the primary endpoint of the clinical trial associated with achievement of the First Milestone exceeds 250 patients, unless otherwise agreed. The fair value related to the number of such shares that may be repurchased was accounted for as a contingent asset. The fair value of the contingent asset will be remeasured at each reporting date until the arrangement is settled.

The Milestone Payments constitute contingent consideration because our obligation to make the Milestone Payments is contingent on future events. In order to determine the classification of the contingent consideration as a liability or equity, ADVENTRX reviewed Accounting Standards Codification (“ASC”) 815-40 “Derivatives and Hedging — Contracts in Entity’s Own Equity.” ASC 815-40 requires that contingent consideration arrangements that include potential net cash settlements or variable provisions should be classified as a liability. Classification as a liability requires fair value measurement initially and subsequently at each reporting date. Changes in the fair value of contingent consideration are recognized in earnings until the contingent consideration arrangement is settled. Classification as equity requires fair value measurement initially and there are no subsequent re-measurements. Settlement of equity-classified contingent consideration is accounted for within equity.

The fair value of the contingent consideration for the First Milestone was recorded as a liability as there is variability with respect to the number of shares that ultimately may be issued based on the timing of achievement of the First Milestone and whether and the extent to which the number of evaluable patients planned to target statistical significance with a p value of 0.01 in the primary endpoint of the clinical trial associated with achievement of the First Milestone exceeds 250 patients. The fair value of the contingent consideration for the First Milestone will be remeasured at each reporting date until the arrangement is settled. The fair values of the contingent consideration for the Second Milestone and the Third Milestone were recorded as equity as there is no net cash settlement provision and the number of shares that ultimately may be issued upon achievement of each of those milestones is fixed.

The remeasurement of the fair values for the contingent asset and liability at September 30, 2011 resulted in a net \$0.5 million reduction to transaction-related expenses for the quarter ended September 30, 2011.

Based on the fair value of the Closing Shares and the Milestone Payments (which is based upon the number of shares to be issued at the time of achievement of each milestone, the probability of achievement for each milestone, the estimated date of achievement for each milestone and the estimated market price of a share of common stock of ADVENTRX on the estimated date of achievement for each milestone), the total preliminary estimated purchase price was approximately \$6.7 million.

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The elements of the total preliminary estimated purchase price of the acquisition were as follows:

Event	Shares Issued / To Be Issued	Probability Weighted Fair Value
Initial consideration (Fully Vested Shares)	862,078	\$ 2,017,263
Initial consideration (Subject to Vesting Shares)	1,938,773	2,103,375
First Milestone — dosing of first patient	1,000,000	1,084,900
Second Milestone — NDA acceptance	3,839,400	733,403
Third Milestone — FDA approval	<u>8,638,650</u>	<u>730,801</u>
Total	<u>16,278,901</u>	<u>\$ 6,669,742</u>

Under the acquisition method of accounting, we recorded the net tangible and intangible assets and liabilities acquired based on their estimated fair values on April 8, 2011, the date we completed the acquisition of SynthRx. The following table summarizes the net tangible and intangible assets and liabilities acquired:

Net tangible assets acquired	\$ 18,513
Net tangible liabilities assumed	(301,566)
Acquired intangibles:	
In-process research and development	6,549,000
Goodwill	<u>403,795</u>
Total preliminary estimated purchase price	<u>\$ 6,669,742</u>

A value of \$0.4 million, representing the difference between the total preliminary estimated purchase price and the aggregate fair values of tangible and intangible assets acquired, less liabilities assumed, was recorded as goodwill. ADVENTRX acquired SynthRx to expand its product pipeline, enter into new therapeutic areas and address unmet market needs. These are among the factors that contributed to a purchase price for the SynthRx acquisition that resulted in the recognition of goodwill.

The following unaudited pro forma information presents the condensed consolidated results of operations of ADVENTRX and SynthRx as if the acquisition had occurred on January 1, 2010:

	Nine months ended September 30,	
	2011	2010
Revenues	\$ —	\$ —
Loss from operations	(10,222,478)	(7,413,324)
Net loss applicable to common stock	(10,156,682)	(12,988,626)

The pro forma condensed consolidated financial information includes the following adjustments directly attributable to the acquisition:

	Nine months ended September 30,	
	2011	2010
Transaction-related expenses	(1,071,090)	1,071,090

The pro forma information is not necessarily indicative of what the results of operations actually would have been had the acquisition been completed on the date indicated. In addition, it does not purport to project the future operating results of the combined entity. The pro forma condensed consolidated financial information is presented for illustrative purposes only.

The operations of SynthRx were fully integrated into our operations as of the closing of the acquisition. Accordingly, we do not present SynthRx's expenses separately.

4. Investments

We account for and report our investments in accordance with ASC 320, “Accounting for Certain Investments in Debt and Equity Securities.” Short-term investments are marketable securities with maturities of less than one year from the balance sheet date. All of our short-term investments are under the custodianship of a major financial institution and comprised of marketable securities consisting primarily of FDIC-insured certificates of deposit. Our policy is to protect the principal value of our investment portfolio.

Our marketable securities are classified as “available-for-sale” and stated at fair value, with net unrealized gains or losses recorded as a component of accumulated other comprehensive income (expense). The amortized cost of debt securities is adjusted for amortization of premiums and accretion of discounts to maturity with all amortization and accretion included in interest income. Realized gains and losses on available-for-sale securities are included in other income (loss). The cost basis of securities sold is based on the specific identification method. Interest on securities classified as available-for-sale is included in interest income. Marketable securities are evaluated periodically for impairment. If it is determined that a decline of any investment is other than temporary, then the investment basis would be written down to fair value and the write-down would be included in earnings as a loss.

At September 30, 2011, the fair value of our short-term investments was \$5,522,955. The cost basis of such investments was \$5,523,201 and unrealized gains were \$25.

5. Fair Value of Financial Instruments

Cash and cash equivalents, accounts payable and accrued liabilities are presented in the financial statements at their carrying amounts, which are reasonable estimates of fair value due to their short maturities.

The fair value of financial assets and liabilities is measured under a framework that establishes “levels” which are defined as follows: Level 1 fair value is determined from observable, quoted prices in active markets for identical assets or liabilities. Level 2 fair value is determined from quoted prices for similar items in active markets or quoted prices for identical or similar items in markets that are not active. Level 3 fair value is determined using the entity’s own assumptions about the inputs that market participants would use in pricing an asset or liability.

The fair values at September 30, 2011 of our short-term investments and our contingent asset and contingent liability related to the SynthRx acquisition are summarized in the following table:

	September 30, 2011			
	Total Fair Value	Fair Value Determined Under:		
		(Level 1)	(Level 2)	(Level 3)
Short-term investments	\$ 5,522,955	\$ 5,522,955	\$ —	\$ —
Contingent asset	\$ 178,366	\$ —	\$ —	\$ 178,366
Contingent liability	\$ (644,000)	\$ —	\$ —	\$ (644,000)

A reconciliation of the contingent asset and liability that are measured and recorded at fair value on a recurring basis using significant unobservable inputs (Level 3) in the nine months ended September 30, 2011 is as follows:

	Nine months ended September 30, 2011	
	Contingent Asset	Contingent Liability
Beginning balance	\$ —	\$ —
Net purchases, issuances, sales and settlements	300,481	(1,084,900)
Total net unrealized gains (losses) included in earnings	(122,115)	440,900
Total net unrealized gains (losses) included in other comprehensive income	—	—
Transfers into level 3 (gross)	—	—
Transfers out of level 3 (gross)	—	—
Ending balance	<u>\$ 178,366</u>	<u>\$ (644,000)</u>

6. Accrued Liabilities

Accrued liabilities at September 30, 2011 and December 31, 2010 were as follows:

	<u>September 30, 2011</u>	<u>December 31, 2010</u>
Accrued contracts and study expenses	\$ 860,525	\$ 381,309
Accrued acquisition costs	225,667	—
Other accrued liabilities	226,690	483,548
Total accrued liabilities	<u>\$ 1,312,882</u>	<u>\$ 864,857</u>

7. Share-Based Compensation Expense

Estimated share-based compensation expense related to equity awards granted to our employees and non-employee directors for the three and nine months ended September 30, 2011 and 2010 was as follows:

	<u>Three months ended September 30,</u>		<u>Nine months ended September 30,</u>	
	<u>2011</u>	<u>2010</u>	<u>2011</u>	<u>2010</u>
Selling, general and administrative expense	\$ 307,842	\$ 154,041	\$ 578,087	\$ 610,329
Research and development expense	17,219	(1,243)	(44,383)	(5,557)
Share-based compensation expense before taxes	325,061	152,798	533,704	604,772
Related income tax benefits	—	—	—	—
Share-based compensation expense	<u>\$ 325,061</u>	<u>\$ 152,798</u>	<u>\$ 533,704</u>	<u>\$ 604,772</u>
Net share-based compensation expense per common share — basic and diluted	<u>\$ 0.01</u>	<u>\$ 0.01</u>	<u>\$ 0.02</u>	<u>\$ 0.05</u>

There were no employee or non-employee director stock options exercised during the three and nine months ended September 30, 2011 and 2010. During the three and nine months ended September 30, 2011, we granted stock options to acquire an aggregate of 767,500 and 1,180,959 shares, respectively, of our common stock to our employees and non-employee directors with an estimated weighted-average grant date fair value of \$3.21 and \$2.88 per share, respectively. During the three and nine months ended September 30, 2010, we granted stock options to acquire an aggregate of 0 and 203,381 shares, respectively, of our common stock to our employees and non-employee directors with an estimated weighted-average grant date fair value of \$0 and \$6.91 per share, respectively. At September 30, 2011, total unrecognized estimated compensation cost related to non-vested employee and non-employee director share-based awards granted prior to that date was \$3.2 million, which is expected to be recognized over a weighted-average period of 3.21 years.

8. Comprehensive Loss

Comprehensive loss is defined as the change in equity of a business enterprise during a period from transactions and other events and circumstances from non-owner sources, including foreign currency translation adjustments and unrealized gains and losses on marketable securities. For the three and nine months ended September 30, 2011 and 2010, comprehensive loss was as follows:

	<u>Three months ended September 30,</u>		<u>Nine months ended September 30,</u>	
	<u>2011</u>	<u>2010</u>	<u>2011</u>	<u>2010</u>
Net loss	\$ (3,539,326)	\$ (1,843,899)	\$ (10,887,955)	\$ (11,806,211)
Unrealized gains on marketable securities	25	—	25	—
Foreign currency translation adjustments	(30,594)	—	(23,128)	—
Comprehensive loss	<u>\$ (3,569,895)</u>	<u>\$ (1,843,899)</u>	<u>\$ (10,911,058)</u>	<u>\$ (11,806,211)</u>

9. Net Loss Per Common Share

Basic and diluted net loss per common share was calculated by dividing the net loss applicable to common stock for the period by the weighted-average number of common shares outstanding during the period, without consideration for our outstanding common stock equivalents because their effect would have been anti-dilutive. Common stock equivalents are included in the calculation of diluted earnings per common share only if their effect is dilutive. At September 30, 2011 and 2010, our outstanding common stock equivalents consisted of options, warrants and convertible preferred stock as follows:

	September 30,	
	2011	2010
Options	1,553,692	421,737
Warrants	7,777,988	4,055,030
Convertible preferred stock	—	779,092
	<u>9,331,680</u>	<u>5,255,859</u>

10. Recent Accounting Pronouncements

In December 2010, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) No. 2010-29 Business Combinations (Topic 805): Disclosure of Supplementary Pro Forma Information for Business Combinations (“ASU 2010-29”). ASU 2010-29 specifies that if a public entity presents comparative financial statements, the entity should disclose revenue and earnings of the combined entity as though the business combination(s) that occurred during the current year had occurred as of the beginning of the comparable prior annual reporting period only. The amendments in ASU 2010-29 also expand the supplemental pro forma disclosures under Topic 805 to include a description of the nature and amount of material, nonrecurring pro forma adjustments directly attributable to the business combination included in the reported pro forma revenue and earnings. The amended guidance is effective prospectively for business combinations for which the acquisition date is on or after the beginning of the first annual reporting period beginning on or after December 15, 2010. We have accounted for our acquisition of SynthRx in April 2011 in accordance with this guidance.

In May 2011, the FASB issued ASU No. 2011-04, Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRSs (“ASU 2011-04”). ASU 2011-04 represents the converged guidance of the FASB and the International Accounting Standards Board on fair value measurement. The guidance clarifies how a principal market is determined, addresses the fair value measurement of instruments with offsetting market or counterparty credit risks, addresses the concept of valuation premise and highest and best use, extends the prohibition on blockage factors to all three levels of the fair value hierarchy and requires additional disclosures. ASU 2011-04 is effective for interim and annual periods beginning after December 15, 2011 and is applied prospectively. We are currently evaluating the requirements of ASU 2011-04 and have not yet determined its impact on our financial statements.

In June 2011, the FASB issued ASU No. 2011-05, Comprehensive Income (Topic 220): Presentation of Comprehensive Income (“ASU 2011-05”). The issuance of ASU 2011-05 is intended to improve the comparability, consistency and transparency of financial reporting and to increase the prominence of items reported in other comprehensive income. The guidance in ASU 2011-05 supersedes the presentation options in ASC Topic 220 and facilitates convergence of U.S. GAAP and IFRS by eliminating the option to present components of other comprehensive income as part of the statement of changes in stockholders’ equity and requiring that all non-owner changes in stockholders’ equity be presented either in a single continuous statement of comprehensive income or in two separate but consecutive statements. ASU 2011-05 is effective for interim periods and years beginning after December 15, 2011. We do not believe our adoption of the new guidance in the first quarter of 2012 will have an impact on our consolidated financial position, results of operations or cash flows.

In September 2011, the FASB issued ASU No. 2011-08, Intangibles — Goodwill and Other (Topic 350): Testing Goodwill for Impairment (“ASU 2011-08”). ASU 2011-08 is intended to reduce cost and complexity of the annual goodwill impairment test by providing companies the option of performing a qualitative assessment to determine whether further impairment testing is necessary. Under the amendments in ASU 2011-08, an entity may first assess qualitative factors to determine whether the existence of events or circumstances leads to a determination that it is more likely than not (that is, a likelihood of more than 50%) that the fair value of a reporting unit is less than its carrying amount. An entity is required to perform step one of the two-step annual goodwill impairment test only if it determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. The amendments in ASU 2011-08 are effective for annual and interim goodwill impairment tests performed for fiscal years beginning after December 15, 2011. Early adoption is permitted if an entity’s financial statements for the most recent annual or interim period have not yet been issued. We have elected to early adopt ASU No. 2011-08 and have utilized this revised standard for our annual goodwill impairment test performed as of September 30, 2011. No impairment was noted.

11. Grant Revenue

In November 2010, the Internal Revenue Service notified us that an aggregate amount of \$488,959 in grants had been awarded to us under the qualifying therapeutic discovery project program established under Section 48D of the Internal Revenue Code as a result of the Patient Protection and Affordable Care Act of 2010. We submitted applications in July 2010 for qualified investments we made, or expected to make, in 2009 and 2010 in our Exelbine™ and ANX-514 programs, and a grant in the amount of \$244,479 was approved for each of those programs. These grants are not taxable for federal income tax purposes. We received full payment of the grants in November 2010, all of which we recognized as revenue in the three month period ended December 31, 2010 because the criteria under our revenue recognition policy were met in that period.

12. Supplementary Cash Flow Information

Non-cash investing and financing transactions presented separately from the condensed consolidated statements of cash flows for the nine months ended September 30, 2011 and 2010 and for the period from inception (June 12, 1996) through September 30, 2011 are as follows:

	<u>Nine months ended September 30,</u>		<u>Inception</u> <u>(June 12, 1996)</u> <u>through</u> <u>September 30, 2011</u>
	<u>2011</u>	<u>2010</u>	
Supplemental disclosures of cash flow information Interest paid	\$ —	\$ 1,629	\$ 180,719
Supplemental disclosures of non-cash investing and financing activities:			
Issuance of warrants, common stock and preferred stock for:			
Conversion of notes payable and accrued interest	—	—	1,213,988
Prepaid services to consultants	—	—	1,482,781
Conversion of preferred stock	—	54,260	13,674
Acquisitions	5,885,323	—	30,666,878
Payment of dividends	—	—	213,000
Financial advisor services in connection with private placements	1,061,910	724,286	3,615,464
Acquisition of treasury stock in settlement of a claim	—	—	34,747
Cancellation of treasury stock	—	—	(34,747)
Assumptions of liabilities in acquisitions	301,566	—	1,537,473
Fair value of contingent liabilities, net of contingent assets, recorded due to acquisition	784,419	—	784,419
Acquisition of license agreement for long-term debt	—	—	161,180
Unrealized (gain)/loss on short-term investments	(25)	—	(25)
Cashless exercise of warrants	—	—	4,312
Dividends accrued	—	—	621,040
Trade asset converted to available-for-sale asset	—	—	108,000
Dividends extinguished	—	—	408,240
Trade payable converted to note payable	—	—	83,948
Issuance of warrants for return of common stock	—	—	50,852
Detachable warrants issued with notes payable	—	—	450,000
Cumulative preferred stock dividends	—	7,140,389	13,502,403

13. Stockholders' Equity

Common Stock Financing

In January 2011, we completed a registered direct equity financing involving the issuance of units consisting of 8,184,556 shares of our common stock, 5-year warrants to purchase up to an aggregate of 2,046,139 shares of our common stock and 1-year warrants to purchase up to an aggregate of 2,046,139 shares of our common stock. The gross proceeds of this financing were \$22.5 million, and we received \$21.0 million in net proceeds after deducting the fees and expenses of our placement agent and our other offering expenses. We may receive up to \$11.3 million of additional proceeds from the exercise of the warrants issued in this financing. Those warrants have an exercise price of \$2.75 per share. The 5-year warrants are exercisable any time on or before January 11, 2016 and the 1-year warrants are exercisable any time on or before January 19, 2012, subject to certain beneficial ownership limitations.

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Warrants

During January 2011, we issued warrants to the investors in our registered direct equity financing and to the placement agent for that financing. See details of the equity financing above.

At September 30, 2011, outstanding warrants to purchase shares of common stock are as follows:

Warrants	Exercise Price	Expiration Date
432,429	\$ 56.5000	July 2012
36,071	\$ 3.7500	June 2014
19,007	\$ 4.4750	July 2014
14,183	\$ 4.0625	August 2014
216,000	\$ 3.6700	October 2014
144,000	\$ 5.8750	October 2014
498,488	\$ 8.7475	July 2012
99,696	\$ 11.9125	June 2014
1,816,608	\$ 3.6500	May 2015
2,046,139	\$ 2.7500	January 2012
2,046,139	\$ 2.7500	January 2016
409,228	\$ 3.4400	April 2015
<u>7,777,988</u>		

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with the condensed consolidated financial statements and related notes appearing elsewhere in this report. In addition to historical information, this discussion and analysis contains forward-looking statements that involve risks, uncertainties, and assumptions. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of certain factors, including but not limited to those identified under "Forward Looking Statements" below and those discussed under the section entitled "Risk Factors," in Item 1A of Part I of our annual report on Form 10-K for the year ended December 31, 2010.

Overview and Recent Developments

We are a specialty pharmaceutical company focused on developing proprietary product candidates. Our current lead product candidates are ANX-188, a novel, purified, rheologic and antithrombotic compound, which we initially are developing as a first-in-class treatment for pediatric patients with sickle cell disease in acute crisis, and ANX-514, a novel, detergent-free formulation of the chemotherapy drug docetaxel.

We have devoted substantially all of our resources to research and development, or R&D, and to acquisition of our product candidates. We have not yet marketed or sold any products or generated any significant revenue and have incurred significant losses since inception. We had a loss from operations of \$11.0 million for the nine months ended September 30, 2011 and cash, cash equivalents and short-term investments of approximately \$38.3 million at September 30, 2011.

ANX-188. We acquired ANX-188 (purified poloxamer 188) in April 2011 as part of our acquisition of SynthRx, Inc. We believe ANX-188 is a late-stage product candidate that restores hydration lattices and minimizes the cascade of adhesive, inflammatory and coagulation responses that cause adhesion of cells, impaired blood flow and tissue ischemia. ANX-188 may have numerous applications as a cytoprotective, rheologic, antithrombotic and anti-inflammatory agent. Initially, we are developing ANX-188 as a first-in-class treatment for pediatric patients with sickle cell disease in acute crisis. We plan to meet with the U.S. Food and Drug Administration, or FDA, in the fourth quarter of 2011 with the goal of reaching agreement on key aspects of our planned phase 3 pediatric study of ANX-188 in sickle cell crisis and to discuss our overall development plan for ANX-188 in that indication. In addition, we plan to meet with the FDA in the first quarter of 2012 to discuss the manufacture of ANX-188 for clinical trial material in connection with our planned phase 3 study and for commercial product.

ANX-514. In October 2011, we met with the FDA to discuss our clinical development plans for ANX-514 (docetaxel for injectable emulsion), a detergent-free reformulation of Taxotere® (docetaxel), and the FDA agreed that the clinical trial we proposed, which we refer to as Study 514-02, would generate sufficient clinical data to support approval of ANX-514 without requiring corticosteroid premedication. Study 514-02 will be a randomized, open-label, multicenter, non-inferiority study comparing ANX-514, administered without corticosteroid premedication, and Taxotere, administered with corticosteroid premedication in accordance with its label, in the treatment of non-small cell lung cancer after failure of prior platinum-based therapy. Approximately 400 patients will be enrolled and treated until evidence of progressive disease, unacceptable toxicity, withdrawal of consent, or other withdrawal criteria are met. The primary objective of Study 514-02 will be to compare the incidence of fluid retention between study arms. The secondary objectives will be to compare ANX-514 and Taxotere in terms of overall safety profile, objective response rate, duration of response, progression-free survival and overall survival. We believe that elimination of the high-dose corticosteroid premedication required for treatment with Taxotere would represent a significant benefit to cancer patients, particularly those who have diabetes or a predisposition to hyperglycemia, who we estimate constitute one-third of the patients who receive Taxotere. Corticosteroids expose cancer patients to otherwise unnecessary and costly complications, such as hyperglycemia, immunosuppression and insomnia. We believe ANX-514 has the potential to improve the tolerability and safety of docetaxel treatment while eliminating toxicities associated with the presence of the polysorbate 80 detergent in Taxotere and complications associated with the Taxotere premedication regimen. We plan to initiate Study 514-02 in 2012.

Exelbine™. Until recently, we were also pursuing FDA approval of Exelbine, our novel emulsion formulation of the chemotherapy drug vinorelbine. In November 2010, we submitted a NDA for Exelbine to the FDA and in August 2011, we received a complete response letter from the FDA stating that it could not approve the Exelbine NDA in its present form. In particular, the letter stated that, based on inspections at clinical sites, the authenticity of the drug products used in the pivotal bioequivalence trial, which we refer to as Study 530-01, could not be verified and that the bioequivalence trial would need to be repeated to address this deficiency. During a meeting with the FDA in September 2011, FDA staff indicated that the failure of the Study 530-01 clinical sites to randomly select and retain reserve samples of the test article (Exelbine) and reference standard (Navelbine®) could not be overcome by alternative methods of verifying authenticity and reiterated that the bioequivalence study would need to be repeated. We have discontinued making significant additional capital investments into the Exelbine program and are seeking a partner or outside investor for the program.

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We anticipate that our cash as of September 30, 2011 will be sufficient to fund our currently planned level of operations for at least the next 12 months. However, we may seek to raise substantial additional capital in the near-term to support development of ANX-188 and ANX-514, including our planned phase 3 clinical trials. We may pursue development activities for our product candidates, at levels or on timelines, or we may incur unexpected expenses, that shorten the period through which our operating funds will sustain us. In addition, we may acquire new technologies and/or product candidates and the cost to acquire and develop such new technologies and/or product candidates may shorten the period through which our operating funds will sustain us. We may not be able to obtain additional financing on a timely basis or on acceptable terms, if at all.

All trademarks, service marks or trade names appearing in this report, including but not limited to Navelbine® and Taxotere®, are the property of their respective owners. Use or display by us of other parties' trademarks, service marks, trade names, trade dress or products is not intended to and does not imply a relationship with, or endorsements or sponsorship of, us by the trademark, service mark, trade name, trade dress or product owners.

Critical Accounting Policies and Estimates

Our discussion and analysis of our financial condition and results of operations is based upon consolidated financial statements and condensed consolidated financial statements that we have prepared in accordance with accounting principles generally accepted in the U.S. The preparation of these consolidated financial statements requires management to make a number of assumptions and estimates that affect the reported amounts of assets, liabilities, revenues and expenses in the condensed consolidated financial statements and accompanying notes included in this report. On an on-going basis, we evaluate these estimates and assumptions, including those related to recognition of expenses in service contracts, license agreements and share-based compensation. Management bases its estimates on historical information and assumptions believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

Revenue Recognition. We may enter into revenue arrangements that contain multiple deliverables. In these cases, revenue is recognized when all of the following criteria are met: (1) persuasive evidence of an arrangement exists; (2) delivery has occurred or services have been rendered; (3) the seller's price to the buyer is fixed and determinable; and (4) collectability is reasonably assured.

Revenue from licensing agreements is recognized based on the performance requirements of the agreement. Revenue is deferred for fees received before earned. Nonrefundable upfront fees that are not contingent on any future performance by us are recognized as revenue when the license term commences and the revenue recognition criteria are met. Nonrefundable upfront fees, where we have ongoing involvement or performance obligations, are recorded as deferred revenue and recognized as revenue over the life of the contract, the period of the performance obligation or the development period, whichever is appropriate in light of the circumstances.

Payments related to substantive, performance-based milestones in an agreement are recognized as revenue upon the achievement of the milestones as specified in the underlying agreement when they represent the culmination of the earnings process. Royalty revenue from licensed products will be recognized when earned in accordance with the terms of the applicable license agreements.

We recognize revenues from federal government research grants during the period in which we receive the grant funds, or their collection is reasonably assured, and we incur the qualified expenditures.

R&D Expenses. R&D expenses consist of expenses incurred in performing R&D activities, including salaries and benefits, facilities and other overhead expenses, clinical trials, research-related manufacturing services, contract services and other outside expenses. R&D expenses are charged to operations as the underlying work is performed. Advance payments, including nonrefundable amounts, for goods or services that will be used or rendered for future R&D activities are deferred and capitalized. Such amounts will be recognized as an expense as the related goods are delivered or the related services are performed. If the goods will not be delivered, or services will not be rendered, then the capitalized advance payment is charged to expense.

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Milestone payments that we make in connection with in-licensed technology or product candidates are expensed as incurred when there is uncertainty in receiving future economic benefits from the licensed technology or product candidates. We consider the future economic benefits from the licensed technology or product candidates to be uncertain until such licensed technology is incorporated into products that, or such product candidates, are approved for marketing by the FDA or when other significant risk factors are abated. For accounting purposes, management has viewed future economic benefits for all of our licensed technology or product candidates to be uncertain.

Payments in connection with our clinical trials are often made under contracts with multiple contract research organizations that conduct and manage these trials on our behalf. The financial terms of these agreements are subject to negotiation and vary from contract to contract and may result in uneven payment flows. Generally, these agreements set forth the scope of work to be performed at a fixed fee or unit price or on a time-and-material basis. Payments under these contracts depend on factors such as the successful enrollment or treatment of patients or the completion of other milestones. Expenses related to clinical trials are accrued based on our estimates and/or representations from service providers regarding work performed, including actual level of patient enrollment, completion of patient studies, and trial progress. Other incidental costs related to patient enrollment or treatment are accrued when reasonably certain. If the contracted amounts are modified (for instance, as a result of changes in the clinical trial protocol or scope of work to be performed), we modify our accruals accordingly on a prospective basis. Revisions in scope of contract are charged to expense in the period in which the facts that give rise to the revision become reasonably certain. Because of the uncertainty of possible future changes to the scope of work in clinical trials contracts, we are unable to quantify an estimate of the reasonably likely effect of any such changes on our consolidated results of operations or financial position. Historically, we have had no material changes in our clinical trial expense accruals that would have had a material impact on our consolidated results of operations or financial position.

Transaction-Related Expenses. Transaction-related expenses consist of legal, accounting, financial and business development advisory fees associated with the evaluation of potential acquisition targets and execution of acquisition transactions, including our acquisition of SynthRx. Transaction-related expenses also include any changes in the fair value of the contingent asset and contingent liability related to our acquisition of SynthRx. We remeasure the fair value of this contingent consideration as of the end of each fiscal quarter. The fair value of the contingent consideration is based on our stock price at the end of the each fiscal quarter and significant estimates and assumptions of management, including the probability that the First Milestone will be achieved and the estimated number shares expected to vest and become issuable upon achievement of the First Milestone.

Goodwill. Goodwill is the excess of purchase price of an acquired business over the assets acquired and liabilities assumed in a business combination. In accordance with U.S. GAAP, goodwill is not amortized. Goodwill is tested for impairment annually or whenever an event occurs or circumstances change that would indicate the carrying amount may be impaired. We perform our annual goodwill impairment test as of September 30 of each year. We elected to early adopt ASU No. 2011-08, Intangibles — Goodwill and Other (Topic 350): Testing Goodwill for Impairment, and utilized this guidance for our September 30, 2011 testing. No impairment was noted.

Intangible Assets. Intangible assets include in-process research and development, or IPR&D, related to the acquisition of SynthRx and ANX-188. Under the guidance of Accounting Standards Codification, or ASC, 805, “Business Combinations,” the fair value of IPR&D is capitalized on the balance sheet until the project is either abandoned and written off or successfully commercialized, at which time the company begins amortizing the fair value over the estimated useful life.

In accordance with previous accounting guidance effective through December 31, 2008, we accounted for the costs associated with any purchased IPR&D as an expense on the statement of operations upon acquisition. These amounts represented an estimate of the fair value of purchased IPR&D for projects that, as of the acquisition date, had not yet reached technological feasibility, had no alternative future use, and had uncertainty in generating future economic benefits. We determined the future economic benefits from the purchased IPR&D to be uncertain until such technology is incorporated into products approved for marketing by the FDA or when other significant risk factors are abated.

Share-based Compensation Expenses. We account for share-based compensation awards granted to employees and non-employee members of our board of directors in accordance with ASC 718, “Compensation — Stock Compensation.” Share-based compensation expense is measured at the grant date, based on the estimated fair value of the award, and is recognized as expense over the individual’s requisite service period. As share-based compensation expense is based on awards ultimately expected to vest, it has been reduced for estimated forfeitures. ASC 718 requires forfeitures to be estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates. Forfeitures are estimated based on historical experience. Our estimated forfeiture rates may differ from actual forfeiture rates which would affect the amount of expense recognized during the period. Estimated forfeiture rates are adjusted to actual amounts as they become known.

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We estimate the fair value of stock option awards on the date of grant using the Black-Scholes option-pricing model, or Black-Scholes model. The determination of the fair value of share-based payment awards on the date of grant using an option-pricing model is affected by the price of our common stock as well as assumptions regarding a number of complex and subjective variables. These variables include, but are not limited to, our expected share price volatility over the term of the awards, actual and projected employee stock option exercise behaviors, a risk-free interest rate and expected dividends. Our future volatility may differ from our estimated volatility at the grant date.

We account for share-based compensation awards granted to non-employees by determining the fair value of the share-based compensation awards granted as either the fair value of the consideration received or the fair value of the equity instruments issued, whichever is more reliably measurable. If the fair value of the equity instruments issued is used, it is measured using the share price and other measurement assumptions as of the earlier of (1) the date at which a commitment for performance by the counterparty to earn the equity instruments is reached or (2) the date at which the counterparty's performance is complete.

Income Taxes. We account for income taxes and the related accounts under the liability method in accordance with ASC 740, "Income Taxes." Deferred tax assets and liabilities are determined based on the differences between the financial statement carrying amounts and the income tax bases of assets and liabilities. A valuation allowance is applied against any net deferred tax asset if, based on available evidence, it is more likely than not that some or all of the deferred tax assets will not be realized.

The tax effects from an uncertain tax position can be recognized in our consolidated financial statements only if the position is more likely than not of being sustained upon an examination by tax authorities. An uncertain income tax position will not be recognized if it has less than a 50% likelihood of being sustained.

The foregoing is not intended to be a comprehensive list of all of our accounting policies. In most cases, the accounting treatment of a particular transaction is specifically dictated by accounting principles generally accepted in the U.S.

Results of Operations

A general understanding of the drug development process is critical to understanding our results of operations. Drug development in the U.S. and most countries throughout the world is a process that includes several steps defined by the FDA and similar regulatory authorities in foreign countries. The FDA approval processes relating to new drug products differ depending on the nature of the particular product candidate for which approval is sought. With respect to any product candidate with active ingredients not previously approved by the FDA, a prospective drug product manufacturer is required to submit an NDA that includes complete reports of pre-clinical, clinical and laboratory studies and extensive manufacturing information to demonstrate the product's safety and effectiveness. The NDA process generally requires, before the submission of the NDA, filing of an investigational new drug application, or IND, pursuant to which permission is sought to begin clinical testing of the new product candidate. An NDA based on published safety and effectiveness studies conducted by others, or previous findings of safety and effectiveness by the FDA, may be submitted under Section 505(b)(2) of the Federal Food, Drug and Cosmetic Act, or the FDCA.

Generally, with respect to any product candidate with active ingredients not previously approved by the FDA, an NDA must be supported by data from at least phase 1, phase 2 and phase 3 clinical trials. Phase 1 clinical trials can be expected to last from 6 to 18 months, phase 2 clinical trials can be expected to last from 12 to 24 months and phase 3 clinical trials can be expected to last from 18 to 36 months. However, clinical development timelines vary widely, as do the total costs of clinical trials and the likelihood of success. We anticipate that we will make determinations as to which of our R&D programs to pursue and how much funding to direct to each R&D program on an ongoing basis in response to the scientific, nonclinical and clinical success of the underlying product candidate, our ongoing assessment of its market potential and our available resources.

Future expenditures on R&D programs are subject to many uncertainties, including whether we will further develop our product candidates with a partner or independently. At this time, due to such uncertainties and the risks inherent in drug product development and the associated regulatory process, we cannot estimate with reasonable certainty the duration of or costs to complete our R&D programs or whether or when or to what extent revenues will be generated from the commercialization and sale of any of our product candidates. The duration and costs of our R&D programs, in particular those associated with clinical trials and research-related manufacturing, can vary significantly among programs as a result of a variety of factors, including:

- the number of trials necessary to demonstrate the safety and efficacy of a product candidate;
- the number of patients who participate in the trials;
- the number and location of sites included in trials and the rate of site approval for the trial;
- the rates of patient recruitment and enrollment;

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- the ratio of randomized to evaluable patients;
- the time and cost of process development activities related to our product candidates;
- the costs of manufacturing our product candidates;
- with respect to bioequivalence or comparative trials, the availability and cost of reference or control product in the jurisdiction of each site;
- the duration of patient treatment and follow-up;
- the time and cost of stability studies, including the need to identify critical parameters, methods to evaluate and test these parameters and validation of such methods and tests; and
- the costs, requirements, timing of and the ability to secure regulatory approvals.

The difficult process of seeking regulatory approvals for our product candidates, in particular any containing new chemical entities, and compliance with applicable regulations requires the expenditure of substantial resources. Any failure by us to obtain, or any delay in obtaining, regulatory approvals could cause our R&D expenditures to increase and, in turn, have a material and unfavorable effect on our results of operations. We cannot be certain when, if ever, we will generate revenues from sales of any of our product candidates.

While many of our R&D expenses are transacted in U.S. dollars, certain significant expenses are required to be paid in foreign currencies and expose us to transaction gains and losses that could result from changes in foreign currency exchange rates. In particular, we may be obligated to pay in foreign currencies for the services of many of the third-party manufacturers of and component suppliers for our product candidates. As a result, our exposure to currency risk likely will increase in connection with the manufacture of materials to be used in our clinical trials and, as applicable, for commercial sale. We include realized gains and losses from foreign currency transactions in operations as incurred.

We operate our business and evaluate our company on the basis of a single reportable segment, which is the business of acquiring, developing and commercializing proprietary product candidates.

Comparison of Three Months Ended September 30, 2011 and 2010

Revenue. We recognized no revenue for the three months ended September 30, 2011 and 2010.

We have not generated any revenue from product sales to date, and we do not expect to generate revenue from product sales until such time, if any, that we have obtained approval from a regulatory agency to sell one or more of our product candidates, which we cannot predict with certainty will occur.

R&D Expenses. We maintain and evaluate our R&D expenses by the type of cost incurred rather than by project. We maintain and evaluate R&D expenses by type primarily because we outsource a substantial portion of our work and our R&D personnel and consultants work across multiple programs rather than dedicating their time to one particular program. We began maintaining such expenses by type on January 1, 2005. The following table summarizes our consolidated R&D expenses by type for each of the periods listed:

	Three months ended September 30,		January 1, 2005 through September 30, 2011
	2011	2010	
External clinical trial fees and expenses	\$ 126,477	\$ (61,074)	\$ 24,467,631
External nonclinical trial fees and expenses (1)	1,600,282	920,232	30,325,966
Personnel costs	306,336	60,394	11,071,696
Share-based compensation expense	17,219	(1,243)	2,875,601
Total	\$ 2,050,314	\$ 918,309	\$ 68,740,894

(1) External nonclinical trial fees and expenses include preclinical, research-related manufacturing, quality assurance and regulatory expenses.

R&D expenses increased by \$1.2 million, or approximately 123.3%, to \$2.1 million for the three months ended September 30, 2011, compared to \$0.9 million for the same period in 2010. The increase in R&D expenses for the three months ended September 30, 2011 compared to the same period in 2010 was due primarily to a \$0.7 million increase in external nonclinical trial fees and expenses, a \$0.2 million increase in external clinical trial fees and expenses and a \$0.3 million increase in personnel costs. The increase in external nonclinical trial fees and expenses was primarily related to increased research-related manufacturing expenses of \$0.5 million for Exelbina and \$0.2 million for ANX-188. The increase in external clinical trial fees and expenses was primarily related to increased clinical consulting expenses of \$0.1 million for ANX-188 and \$0.1 million for ANX-514.

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We expect R&D expenses to increase in 2012 relative to 2011 to support development of ANX-188 and ANX-514, including in connection with initiating and conducting clinical trial activities for these product candidates.

Selling, General and Administrative Expenses. Selling, general and administrative, or SG&A, expenses increased by \$1.1 million, or approximately 109.7%, to \$2.0 million for the three months ended September 30, 2011, compared to \$0.9 million for the same period in 2010. This increase resulted primarily from a \$0.5 million increase in personnel costs, mainly due to additional staff hired in 2011 and an accrual for estimated bonus expense related to 2011 performance, a \$0.4 million increase in commercial-readiness activities for Exelbine, and a \$0.2 million increase in stock-based compensation.

We expect SG&A expenses to be flat in 2012 relative to 2011 as a result of our decision to discontinue any significant additional capital investments into our Exelbine program.

Transaction-Related Expenses. Transaction-related expenses were (\$0.5) million for the three months ended September 30, 2011, compared to \$0 for the same period in 2010. Our remeasurement at September 30, 2011 of the fair values for the contingent asset and contingent liability related to our consideration for the SynthRx acquisition resulted in a net \$0.5 million reduction to transaction-related expenses for the three months ended September 30, 2011. The reduction in fair value was primarily due to the decrease in our stock price at September 30, 2011 relative to June 30, 2011.

Interest Income. Interest income amounted to \$7,343 for the three months ended September 30, 2011, compared to \$26,258 for the same period in 2010. The decrease in interest income for the three months ended September 30, 2011 was attributable primarily to lower interest rates on invested balances in 2011 as compared to 2010. We expect that interest income will continue to be low due to negligible interest rates.

Net Loss Applicable to Common Stock. Net loss applicable to common stock was \$3.5 million, or \$0.13 per share, for the three months ended September 30, 2011, compared to net loss applicable to common stock of \$1.8 million, or \$0.13 per share, for the same period in 2010.

Comparison of Nine Months Ended September 30, 2011 and 2010

Revenue. We recognized no revenue for the nine months ended September 30, 2011 and 2010.

R&D Expenses. The following table summarizes our consolidated R&D expenses by type for each of the periods listed:

	<u>Nine months ended September 30,</u>	
	<u>2011</u>	<u>2010</u>
External clinical trial fees and expenses	\$ 449,569	\$ (14,963)
External nonclinical trial fees and expenses (1)	3,071,295	2,660,492
Personnel costs	527,700	151,432
Share-based compensation expense	(44,384)	(5,557)
Total	<u>\$ 4,004,180</u>	<u>\$ 2,791,404</u>

(1) External nonclinical trial fees and expenses include preclinical, research-related manufacturing, quality assurance and regulatory expenses.

R&D expenses increased by \$1.2 million, or approximately 43.5%, to \$4.0 million for the nine months ended September 30, 2011, compared to \$2.8 million for the same period in 2010. The increase in R&D expenses for the nine months ended September 30, 2011 compared to the same period in 2010 was due primarily to a \$0.4 million increase in external clinical trial fees and expenses, a \$0.4 million increase in external nonclinical trial fees and expenses and a \$0.4 million increase in personnel costs. The increase in external clinical trial fees and expenses is primarily related to increased clinical consulting expenses of \$0.2 million for ANX-188 and \$0.1 million for ANX-514, as well as a \$0.1 million increase for consulting expenses related to Study 530-01 clinical site inspections. The increase in external nonclinical trial fees and expenses is primarily related to increased research-related manufacturing expenses of \$0.8 million for Exelbine and \$0.3 million for ANX-188, offset by a \$0.7 million decrease in regulatory and research-related manufacturing expenses for ANX-514.

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Selling, General and Administrative Expenses. SG&A expenses increased by \$2.0 million, or approximately 57.2%, to \$5.4 million for the nine months ended September 30, 2011, compared to \$3.4 million for the same period in 2010. This increase resulted primarily from a \$0.9 million increase in personnel costs, mainly due to additional staff hired in 2011 and an accrual for estimated bonus expense related to 2011 performance, a \$0.7 million increase in commercial-readiness activities for Exelbina, a \$0.3 million increase in accounting, investor relations and business development professional fees and consulting services and a \$0.1 million increase in the cost of our facilities lease.

Transaction-Related Expenses. Transaction-related expenses were \$1.5 million for the nine months ended September 30, 2011, compared to \$0 for the same period in 2010. Transaction-related expenses for the nine months ended September 30, 2011 consisted of \$1.8 million related to legal, accounting, financial and business development advisory fees associated with the evaluation of potential acquisition targets, including SynthRx, and the execution of our acquisition of SynthRx, offset by a \$0.3 million reduction related to changes in the fair value of the contingent asset and contingent liability related to our consideration for the SynthRx acquisition. The reduction in fair value was primarily due to the decrease in our stock price at September 30, 2011 relative to April 8, 2011, the date we completed our acquisition of SynthRx.

Interest Income. Interest income amounted to \$51,212 for the nine months ended September 30, 2011, compared to \$68,006 for the same period in 2010. The decrease in interest income for the nine months ended September 30, 2011 was attributable primarily to lower interest rates on invested balances in 2011 as compared to 2010.

Net Loss Applicable to Common Stock. Net loss applicable to common stock was \$10.9 million, or \$0.43 per share, for the nine months ended September 30, 2011, compared to net loss applicable to common stock of \$11.8 million, or \$0.94 per share, for the same period in 2010. Included in net loss applicable to common stock for the nine months ended September 30, 2010 was non-cash deemed dividend expense of \$5.6 million related to our January and May 2010 registered direct equity financings.

Liquidity and Capital Resources

We have a history of annual losses from operations and we have funded our operations primarily through sales of our equity securities. We had a loss from operations of \$11.0 million for the nine months ended September 30, 2011 and cash, cash equivalents and short-term investments of approximately \$38.3 million as of September 30, 2011.

In January 2011, we completed a registered direct equity financing involving the issuance of units consisting of shares of our common stock and common stock purchase warrants. This financing resulted in \$22.5 million in gross proceeds, and we received \$21.0 million in net proceeds after deducting the fees and expenses of our placement agent and our other offering expenses.

We may receive up to \$0.8 million, \$4.4 million, \$9.5 million and \$11.3 million of additional net proceeds from the exercise of warrants issued in the registered direct equity financings we completed in October 2009, January and May 2010 and January 2011, respectively; however, the exercise of these warrants is subject to certain beneficial ownership limitations. Further, \$5.6 million of these potential net proceeds relate to warrants with an exercise price of \$2.75 per share that expire in January 2012. We may receive up to \$3.7 million of additional net proceeds from the exercise of warrants issued to our placement agent as additional consideration for services in connection with certain of our registered direct equity financings.

For a discussion of our liquidity and capital resources outlook, see “Management Outlook” below.

Operating activities. Net cash used in operating activities was \$10.4 million for the nine months ended September 30, 2011 compared to \$7.0 million for the same period in 2010. The increase in cash used in operating activities was primarily due to a higher net loss in 2011 as compared to 2010 (\$4.7 million), a gain on the change in fair value of contingent consideration related to our SynthRx acquisition (\$0.3 million), lower share-based compensation expense (\$0.1 million), offset by changes in assets and liabilities (\$1.7 million), primarily due to increases in accounts payable and accrued liabilities.

Investing activities. Net cash used in investing activities was \$5.7 million for the nine months ended September 30, 2011 compared to \$5,080 for the same period in 2010. The difference was primarily due to an increase of \$5.5 million in purchases of certificates of deposit and \$0.2 million in purchases of property and equipment.

Financing activities. Net cash provided by financing activities was \$21.0 million for the nine months ended September 30, 2011 compared to \$27.7 million for the same period in 2010. The cash provided by financing activities for the nine months ended September 30, 2011 reflects net proceeds of \$21.0 million from our January 2011 registered direct equity financing. The cash provided by financing activities for the nine months ended September 30, 2010 reflects adjusted net proceeds of \$27.4 million from our January and May 2010 registered direct equity financings and proceeds of \$0.3 million from the exercise of warrants issued in our June 2009 registered direct equity financing.

Management Outlook

We anticipate that our cash as of September 30, 2011 will be sufficient to fund our currently planned level of operations for at least the next 12 months. However, our future capital uses and requirements will be affected by numerous forward-looking factors that, depending on their actual outcome, could shorten or extend the period through which our operating funds will sustain us. These factors include, but are not limited to: the scope, prioritization and number of development programs we pursue; the rate of progress and costs of development and regulatory approval activities associated with our product candidates, including conducting manufacturing process development activities, manufacturing clinical trial material and initiating and conducting clinical trials, including clinical trials that we currently plan to conduct and any additional clinical trials recommended by the FDA in the future; the extent to which we acquire new technologies, product candidates, products or businesses; the extent to which we partner or collaborate with third parties to develop, seek regulatory approval of and commercialize our product candidates or products, or sell or license our product candidates or products to others; and whether any of our product candidates for which we receive regulatory approval, if any, achieve broad market acceptance. In addition, we have a small workforce and rely on third parties to perform many essential services for us, including the manufacture of clinical trial material, the conduct of clinical trials and regulatory submissions related to product approval. The timing and extent to which we increase our workforce is difficult to predict as it will be influenced by the rate of progress of development and regulatory approval of our product candidates and whether we partner them, as well as the extent to which we acquire and develop new technologies, product candidates, products or businesses. Increases in the size of our workforce would impact the period through which our operating funds will sustain us.

In April 2011, we completed our acquisition of SynthRx, Inc. and it became a wholly owned subsidiary of ours. As part of the acquisition, we acquired ANX-188 and, initially, we are developing it as a first-in-class treatment for pediatric patients with sickle cell disease in acute crisis. If we are able to reach agreement with the FDA on a study protocol on a timely basis, we may initiate a phase 3 clinical trial of ANX-188 for that indication in 2012. We plan to meet with the FDA in the fourth quarter of 2011 with the goal of reaching agreement on key aspects of the phase 3 study and to discuss our overall development plan for ANX-188 in pediatric sickle cell crisis. In parallel, we expect to prepare to initiate the phase 3 clinical trial, including conducting manufacturing process development activities and manufacturing clinical trial material, which could enable us to initiate it in 2012. We have and may continue to increase our workforce in connection with our development of ANX-188. We cannot forecast with any degree of certainty the costs that would be associated with our development of ANX-188, particularly in advance of meeting with the FDA. However, our preliminary estimate of third party costs related to this development program through submission of an NDA is approximately \$15 million to \$25 million.

In connection with the completion of the SynthRx acquisition, we issued 2,800,851 shares of our common stock to the former SynthRx stockholders, 1,454,079 of which are subject to repurchase by us in the event development of ANX-188 does not achieve the First Milestone, as described below, and 200,000 of which are subject to escrow to indemnify us against breaches of representations and warranties in the merger agreement, and we assumed \$0.3 million of SynthRx's transaction expenses. We could issue up to an aggregate of 13,478,050 additional shares of our common stock to the former SynthRx stockholders if the development of ANX-188 achieves certain milestones, as described below. Of the shares issuable in connection with achievement of milestones, up to 1,000,000 shares would be issuable upon the dosing of the first patient in a phase 3 clinical study that the FDA has indicated may be sufficient to support approval of a new drug application covering the use of ANX-188 for the treatment of sickle cell crisis in children, or the ANX-188 NDA, which we refer to as the First Milestone; 3,839,400 shares would be issuable upon acceptance for review of the ANX-188 NDA by the FDA, which we refer to as the Second Milestone; and 8,638,650 shares would be issuable upon approval by the FDA of the ANX-188 NDA, which we refer to as the Third Milestone. The amounts of the 1,454,079 shares and the 1,000,000 shares that potentially vest or become issuable, as applicable, upon achievement of the First Milestone are subject to reduction based on the timing of achievement of the First Milestone and whether and the extent to which the number of evaluable patients planned to target statistical significance with a p value of 0.01 in the primary endpoint exceeds 250 patients, unless otherwise agreed.

With respect to ANX-514, following our October 2011 meeting with the FDA at which we proposed Study 514-02 and the FDA agreed that it would generate sufficient clinical data to support approval of ANX-514 without requiring corticosteroid premedication, we are focused on conducting activities that would enable us to initiate Study 514-02 in 2012. We have incurred and expect to continue to incur significant R&D expenses in connection with initiating and conducting the 400-patient Study 514-02, including costs related to developing the protocol for the study, conducting manufacturing process development activities, manufacturing the clinical trial material, engaging a contract research organization, or CRO, to manage the trial and conducting the trial.

We believe ANX-514 has the potential to improve the tolerability and safety of docetaxel treatment while eliminating toxicities associated with the presence of the polysorbate 80 detergent in Taxotere and complications associated with the high-dose corticosteroid premedication required for treatment with Taxotere. Based on data from IMS Health, in 2010, before it went off-patent, sales of Taxotere were \$1.2 billion in the U.S. and \$2.9 billion worldwide. We currently estimate that peak annual sales of ANX-514 in the U.S. will be in excess of \$100 million. In parallel with our development of ANX-514, we also expect to continue to pursue partnering and other strategic opportunities for ANX-514, including its sale or exclusive license to a third party. However, partnering and other strategic options may not be available on acceptable terms, if at all.

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With respect to Exelbine, following our receipt of a complete response letter from the FDA in August 2011 and our September 2011 meeting with the FDA to discuss the complete response letter, we determined to discontinue any significant additional capital investments into the Exelbine program and we are seeking a partner or outside investor for the program.

During 2010 and the first half of 2011, our business strategy involved a particular focus on expanding our product pipeline through one or more in-license, asset acquisition or merger transactions. Although, currently, we are focused on developing ANX-188 and ANX-514, from time to time we evaluate additional pipeline expansion opportunities that we believe may increase the value of our company. We believe that, due to the continued challenging capital-raising environment, many drug development programs with substantial potential may be available at attractive valuations. The process of identifying and evaluating various opportunities can be lengthy and complex and divert management's attention from our current development programs, and we may not be able to acquire or acquire rights to additional technologies, product candidates and/or products on acceptable terms, or at all. We have limited resources to identify, evaluate and negotiate the acquisition of new technologies, product candidates and/or products or rights thereto and to integrate them into our current infrastructure. Supplementing our current resources to complete one or more transactions may be costly. We expect that our capital requirements would increase in future periods if we were to expand our product pipeline.

We may seek to raise substantial additional capital in the near-term through public or private sales of our equity securities or debt financings to support development of ANX-188 and ANX-514, including our planned phase 3 clinical trials of those product candidates. However, we may not be able to obtain additional financing on a timely basis or on acceptable terms, if at all.

Recent Accounting Pronouncements

See Note 10, "Recent Accounting Pronouncements," of the Notes to the Condensed Consolidated Financial Statements (Unaudited) in this report for a discussion of recent accounting announcements and their effect, if any, on us.

Forward Looking Statements

This quarterly report, particularly Part I, Item 2, "Management's Discussion and Analysis of Financial Condition and Results of Operations," includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. All statements, other than statements of historical fact, are statements that could be deemed forward-looking statements, including statements we make regarding our business strategy, expectations and plans, our objectives for future operations and our future financial position. Forward-looking statements can be identified by words such as "believe," "may," "could," "will," "estimate," "continue," "anticipate," "intend," "expect," "indicate" and similar expressions. Examples of forward-looking statements include, but are not limited to, statements we make regarding activities, timing and costs related to developing and seeking regulatory approval for our product candidates, estimated peak annual sales for our product candidates, seeking to partner or collaborate with third parties with respect to the development and commercialization of our product candidates, seeking to partner or find an outside investor for our Exelbine program, the sale or exclusive license of one or more of our product candidate programs, raising additional capital, expanding our product pipeline and our belief that we have sufficient liquidity to fund our currently planned level of operations for at least the next 12 months. The foregoing is not an exclusive list of all forward-looking statements we make.

We have based the forward-looking statements we make on our current expectations and projections about future events and trends that we believe may affect our financial condition, results of operations, business strategy, short-term and long-term business operations and objectives, and financial needs. The forward-looking statements we make are subject to risks and uncertainties that could cause our actual results to differ materially from those reflected in such forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to the following:

- our ability to obtain additional funding to develop our current product candidates and any product candidates or products we may acquire in the future, on a timely basis or on acceptable terms, or at all;
- our ability to establish and maintain relationships with third-party manufacturers and component suppliers for our product candidates, and the ability of such manufacturers and suppliers, which may be single source manufacturers and suppliers, to successfully manufacture and supply clinical trial material;

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- delays in the commencement or completion of nonclinical testing and/or clinical trials of or manufacturing activities related to our product candidates;
- the success of future clinical trials;
- undesirable side effects that our product candidates may cause, including as a result of eliminating corticosteroid premedication with ANX-514;
- the satisfactory performance of third parties on whom we rely significantly to conduct our nonclinical testing and clinical trials and other aspects of our development programs;
- healthcare reform measures and reimbursement policies that, if not favorable to our product candidates, could hinder or prevent our ability to raise capital and, ultimately, the commercial success of our products;
- our ability, or that of a future partner, to successfully develop and obtain regulatory approval for our product candidates and, if approved, to successfully commercialize them in the U.S. and/or elsewhere;
- the extent to which we acquire new technologies, product candidates, products or businesses and our ability to integrate them, including the assets we acquired from SynthRx, Inc., successfully into our operations;
- the potential that we may enter into one or more commercial partnerships or other strategic transactions relating to our product candidates, and the terms of any such transactions;
- whether any of our product candidates for which we receive regulatory approval, if any, achieve broad market acceptance;
- our ability to maintain compliance with NYSE Amex continued listing standards and maintain the listing of our common stock on the NYSE Amex equities market or another national securities exchange;
- the extent to which we rebuild our workforce and our ability to attract and retain qualified personnel and manage growth;
- our ability to protect our intellectual rights with respect to our product candidates and proprietary technology;
- claims against us for infringing the proprietary rights of third parties; and
- the other factors that are described in the section entitled “Risk Factors,” in Item 1A of Part I of our annual report on Form 10-K for the year ended December 31, 2010.

Except as required by law, we do not intend to update the forward-looking statements discussed in this report publicly or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

In light of these risks and uncertainties and our assumptions, the forward-looking events and circumstances discussed in this report and in the documents incorporated in this report may not occur and actual results could differ materially and adversely from those anticipated or implied in such forward-looking statements. Accordingly, you are cautioned not to place undue reliance on such forward-looking statements.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

Under the rules and regulations of the U.S. Securities and Exchange Commission, or SEC, as a smaller reporting company we are not required to provide the information required by this item.

Item 4. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

As of the end of the period covered by this report, we conducted an evaluation, under the supervision and with the participation of our principal executive officer and principal financial officer, of the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended, or the Exchange Act. Based on this evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures were effective as of September 30, 2011.

Changes in Internal Control over Financial Reporting

There was no change in our internal control over financial reporting identified in connection with the evaluation required by Rules 13a-15(d) and 15d-15(d) under the Exchange Act that occurred during the period covered by this report that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II — OTHER INFORMATION

Item 1. Legal Proceedings

In the normal course of business, we may become subject to lawsuits and other claims and proceedings. Such matters are subject to uncertainty and outcomes are often not predictable with assurance.

Item 1A. Risk Factors

Under the rules and regulations of the SEC, as a smaller reporting company we are not required to provide the information required by this item.

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

None.

Item 3. Defaults Upon Senior Securities

None.

Item 4. (Removed and Reserved)

Item 5. Other Information

None.

Item 6. Exhibits

An Exhibit Index has been attached as part of this report and is incorporated herein by reference.

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.

ADVENTRX Pharmaceuticals, Inc.

Date: November 8, 2011

By: /s/ Brian M. Culley
Brian M. Culley
Chief Executive Officer
(Principal Executive Officer)

By: /s/ Patrick L. Keran
Patrick L. Keran
President and Chief Operating Officer
(Principal Financial Officer)

EXHIBIT INDEX

Exhibit	Description
10.1(1)#	2011 Mid-Year Executive Incentive Plan
10.2#	Form of Incentive Stock Option Grant Agreement (for the registrant's Chief Executive Officer and President and Chief Operating Officer) under the Amended and Restated 2008 Omnibus Incentive Plan
31.1	Certification of principal executive officer pursuant to Rules 13a-14(a)/15d-14(a)
31.2	Certification of principal financial officer pursuant to Rules 13a-14(a)/15d-14(a)
32.1*	Certification of principal executive officer and principal financial officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
101.INS**	XBRL Instance Document
101.SCH**	XBRL Taxonomy Extension Schema Document
101.CAL**	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF**	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB**	XBRL Taxonomy Extension Label Linkbase Document
101.PRE**	XBRL Taxonomy Extension Presentation Linkbase Document

Indicates management contract or compensatory plan.

* This certification is being furnished solely to accompany this report pursuant to 18 U.S.C. 1350, and is not being filed for purposes of Section 18 of the Securities Exchange Act of 1934 and is not to be incorporated by reference into any filing of the registrant, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

** Pursuant to Rule 406T of Regulation S-T, the Interactive Data Files on Exhibit 101 hereto are deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, are deemed not filed for purposes of Section 18 of the Securities and Exchange Act of 1934, and otherwise are not subject to liability under those sections.

(1) Filed with the registrant's Current Report on Form 8-K on July 8, 2011 (SEC file number 001-32157-11959481).

ADVENTRX Pharmaceuticals, Inc. 2008 Omnibus Incentive Plan

Incentive Stock Option Grant Agreement

THIS INCENTIVE STOCK OPTION GRANT AGREEMENT (this "Agreement"), effective as of [_____] (the "Grant Date"), is entered into by and between ADVENTRX Pharmaceuticals, Inc., a Delaware corporation (the "Company"), and [_____] (the "Grantee").

1. **Grant of Option.** The Company hereby grants to the Grantee a stock option (the "Option") to purchase [_____] shares of common stock of the Company, par value \$0.001 per share (the "Shares"), at the exercise price of \$[_____] per Share (the "Exercise Price"). The Option is intended to qualify as an incentive stock option under Section 422 of the Code.

2. **Subject to the Plan.** This Agreement is subject to the provisions of the ADVENTRX Pharmaceuticals, Inc. 2008 Omnibus Incentive Plan (the "Plan"), and, unless the context requires otherwise, terms used herein shall have the same meaning as in the Plan. In the event of a conflict between the provisions of the Plan and this Agreement, the Plan shall control.

3. **Term of Option.** Unless the Option terminates earlier pursuant to the provisions of this Agreement, the Option shall expire on the tenth anniversary of the Grant Date.

4. **Vesting.** The Option shall become vested with respect to 1/48th of the Shares on each monthly anniversary of [____]; **provided,** however, that the Grantee is then providing Services.

5. Exercise of Option

(a) **Manner of Exercise.** To the extent vested, the Option may be exercised, in whole or in part, by delivering written notice to the Company in accordance with paragraph (g) of Section 8 in such form as the Company may require from time to time. Such notice shall specify the number of Shares subject to the Option as to which the Option is being exercised, and shall be accompanied by full payment of the Exercise Price of such Shares in a manner permitted under the terms of Section 5.5 of the Plan, except that payment with previously acquired Shares may only be made with the consent of the Committee. The Option may be exercised only in multiples of whole Shares and no fractional Shares shall be issued.

(b) **Issuance of Shares.** Upon exercise of the Option and payment of the Exercise Price for the Shares as to which the Option is exercised, the Company shall issue to the Grantee the applicable number of Shares in the form of fully paid and nonassessable Shares.

(c) **Capitalization Adjustments.** The number of Shares subject to the Option and the Exercise Price shall be equitably and appropriately adjusted, if applicable, as provided in Section 12.2 of the Plan.

(d) **Withholding.** No Shares will be issued on exercise of the Option unless and until the Grantee pays to the Company, or makes satisfactory arrangements with the Company for payment of, any federal, state or local taxes required by law to be withheld in respect of the exercise of the Option. The Grantee hereby agrees that the Company may withhold from the Optionee's wages or other remuneration the applicable taxes. At the discretion of the Company, the applicable taxes may be withheld in kind from the Shares otherwise deliverable to the Grantee on exercise of the Option, up to the Grantee's minimum required withholding rate or such other rate that will not trigger a negative accounting impact.

(e) **Notice of Disposition.** Grantee agrees to notify the Company in writing within fifteen (15) days after the date of any disposition of any of the Shares issued upon exercise of the Option that occurs within the later of two (2) years after the Grant Date or within one (1) year after such Shares are transferred to the Grantee.

6. Termination of Option

(a) Termination of Employment or Service Relationship Other Than Due to Retirement, Death, Disability, Involuntary Termination or Cause. Unless the Option has earlier terminated, the Option shall terminate in its entirety, regardless of whether the Option is vested, ninety (90) days after the date the Grantee ceases to provide Services for any reason other than, as applicable, the Grantee's Retirement, death, Disability, Involuntary Termination or termination for Cause. Except as provided in paragraphs (b), (c), (d) or (e) of this Section, any portion of the Option that is not vested at the time the Grantee ceases to provide Services shall immediately terminate.

(b) Retirement. Upon the Retirement of the Grantee, unless the Option has earlier terminated, the Option shall continue in effect (and, for purposes of vesting pursuant to Section 4, the Grantee shall be deemed to continue to be providing Services) until the earlier of (i) two (2) years after the Grantee's Retirement (or, if later, the fifth anniversary of the Grant Date) or (ii) the expiration of the Option's term pursuant to Section 3. For purposes of this Agreement, "Retirement" shall mean termination of the Grantee's employment with the Company and its Subsidiaries, or a successor company (or a subsidiary or parent thereof) and their respective subsidiaries, other than for Cause (a) if (i) the Grantee is then at least age 60 and (ii) the sum of the Grantee's age and years of continuous service with the Company and its Subsidiaries is then equal to at least 70 or (b) if the Committee characterizes such termination as a "Retirement" for purposes of this Agreement. For clarity, this Section 6(b) shall apply only to Grantees who are Employees at the time of termination.

(c) Death. Upon the Grantee's death, unless the Option has earlier terminated, the Grantee's executor or personal representative, the person to whom the Option shall have been transferred by will or the laws of descent and distribution, or such other permitted transferee, as the case may be, may exercise the Option in accordance with paragraph (a) of Section 5, to the extent vested, provided such exercise occurs within twelve (12) months after the date of the Grantee's death or by the end of the term of the Option pursuant to Section 3, whichever is earlier.

(d) Disability. In the event that the Grantee ceases to provide Services by reason of Disability, unless the Option has earlier terminated, the Option may be exercised, in accordance with paragraph (a) of Section 5, to the extent vested, provided such exercise occurs within six (6) months after the date of Disability or by the end of the term of the Option pursuant to Section 3, whichever is earlier. For purposes of this Agreement, "Disability" shall mean the Grantee's becoming disabled within the meaning of Section 22(e) (3) of the Code, or as otherwise determined by the Committee in its discretion. The Committee may require such proof of Disability as the Committee in its sole and absolute discretion deems appropriate and the Committee's determination as to whether the Grantee has incurred a Disability shall be final and binding on all parties concerned.

(e) Involuntary Termination. In the event that the Grantee ceases to provide Services as an Employee by reason of an Involuntary Termination, unless the Option has earlier terminated, the Option shall, immediately prior to such Involuntary Termination, vest and become exercisable with respect to 25% of the total number of Shares subject to this Option (or [_____] Shares), and the Option may be exercised, in accordance with paragraph (a) of Section 5, to the extent vested as of such Involuntary Termination (for clarity, after taking into account the foregoing acceleration provision of this paragraph (e)), provided such exercise occurs by the close of business on the last calendar day of the 12th full calendar month following the date of such Involuntary Termination. For purposes of this Agreement, "Involuntary Termination" shall mean: (i) without the Grantee's express written consent, an action by the Company's Board of Directors or external events causing or immediately portending a material reduction or alteration of the Grantee's duties, position or responsibilities relative to the Grantee's duties, position or responsibilities in effect immediately prior to such reduction or alteration, or the removal of the Grantee from such position, duties or responsibilities; (ii) without the Grantee's express written consent, a material reduction by the Company of the Grantee's base salary as in effect immediately prior to such reduction; (iii) without the Grantee's express written consent, the relocation of the Grantee's principal place of employment with the Company by more than fifty (50) miles; or (iv) any termination of the Grantee by the Company without Cause or as a result of the Retirement of the Grantee.

(f) Termination for Cause. Upon termination by the Company or a Subsidiary or a successor company (or a subsidiary or parent thereof) of the Grantee's employment or service relationship for Cause, unless the Option has earlier terminated, the Option shall immediately terminate in its entirety and shall thereafter not be exercisable to any extent whatsoever. For purposes of this Agreement, "Cause" shall mean (i) any act of personal dishonesty taken by the Grantee in connection with his or her responsibilities as an employee which is intended to result in substantial personal enrichment of the Grantee; (ii) Grantee's conviction of a felony that the Company's Board of Directors reasonably believes has had or will have a material detrimental effect on the Company's reputation or business; (iii) a willful act by the Grantee that constitutes misconduct and is materially injurious to the Company; or (iv) continued willful violations by the Grantee of the Grantee's obligations to the Company after there has been delivered to the Grantee a written demand for performance from the Company that describes the basis for the Company's belief that the Grantee has not substantially performed his or her duties.

(f) Automatic Extension of Exercise Period. Notwithstanding any provisions of paragraphs (a), (b), (c), (d) or (e) of this Section to the contrary, if exercise of the Option following termination of employment or service during the time period set forth in the applicable paragraph or sale during such period of the Shares acquired on exercise would violate any of the provisions of federal securities laws (or any Company policy related thereto), the time period to exercise the Option shall be extended until the later of (i) forty-five (45) days after the date that the exercise of the Option and sale of the Shares acquired on exercise would not be a violation of federal securities laws (or a related Company policy), or (ii) the end of the time period set forth in the applicable paragraph.

7. Change in Control.

(a) Effect on Option. In the event of a Change in Control, unless the Option has earlier terminated, the Option shall vest and become exercisable with respect to fifty percent (50%) of the then unvested Shares on the day prior to the date of the Change in Control and shall vest and become exercisable with respect to the remaining fifty percent (50%) of the then unvested Shares on the one (1) year anniversary of the Change in Control; provided, however, that the Grantee is then providing Services.

(b) Assumption or Substitution. Subject to paragraph (a) of this Section 7, in the event of a Change in Control, to the extent the successor company (or a subsidiary or parent thereof) does not assume or substitute for the Option on substantially the same terms and conditions (which may include settlement in the common stock of the successor company (or a subsidiary or parent thereof)), the Option (i) shall become fully vested and exercisable on the day prior to the date of the Change in Control if the Grantee (A) is then providing Services or (B) was the subject of an Involuntary Termination in connection with, related to or in contemplation of the Change in Control and (ii) may be exercised, in accordance with paragraph (a) of Section 5, provided such exercise occurs by the close of business on the last calendar day of the 24th full calendar month following the date of such Involuntary Termination.

(c) Tail. Subject to paragraph (a) of this Section 7, in the event of a Change in Control, to the extent the successor company (or a subsidiary or parent thereof) assumes or substitutes for the Option on substantially the same terms and conditions (which may include providing for settlement in the common stock of the successor company (or a subsidiary or parent thereof)), and in the event of an Involuntary Termination of the Grantee within 12 months following the date of the Change in Control, the Option shall become fully vested and exercisable, and may be exercised by the Grantee at any time until the close of business on the last calendar day of the 24th full calendar month following the date of such Involuntary Termination.

8. Miscellaneous.

(a) No Rights of Stockholder. The Grantee shall not have any of the rights of a stockholder with respect to the Shares subject to this Option until such Shares have been issued upon the due exercise of the Option.

(b) No Registration Rights; No Right to Settle in Cash. The Company has no obligation to register with any governmental body or organization (including, without limitation, the U.S. Securities and Exchange Commission ("SEC")) any of (a) the offer or issuance of any Award, (b) any Shares issuable upon the exercise of any Award, or (c) the sale of any Shares issued upon exercise of any Award, regardless of whether the Company in fact undertakes to register any of the foregoing. In particular, in the event that any of (x) any offer or issuance of any Award, (y) any Shares issuable upon exercise of any Award, or (z) the sale of any Shares issued upon exercise of any Award are not registered with any governmental body or organization (including, without limitation, the SEC), the Company will not under any circumstance be required to settle its obligations, if any, under this Plan in cash.

(c) Nontransferability of Option. The Option shall be nontransferable otherwise than by will or the laws of descent and distribution, and during the lifetime of the Grantee, the Option may be exercised only by the Grantee or, during the period the Grantee is under a legal disability, by the Grantee's guardian or legal representative. Notwithstanding the foregoing, the Grantee may, by delivering written notice to the Company, in a form provided by or otherwise satisfactory to the Company, designate a third party who, in the event of the Grantee's death, shall thereafter be entitled to exercise the Option.

(d) Severability. If any provision of this Agreement shall be held unlawful or otherwise invalid or unenforceable in whole or in part by a court of competent jurisdiction, such provision shall (i) be deemed limited to the extent that such court of competent jurisdiction deems it lawful, valid and/or enforceable and as so limited shall remain in full force and effect, and (ii) not affect any other provision of this Agreement or part thereof, each of which shall remain in full force and effect.

(e) Governing Law. This Agreement shall be governed by, and interpreted in accordance with, the laws of the State of California, other than its conflict of laws principles.

(f) Headings. The headings in this Agreement are for reference purposes only and shall not affect the meaning or interpretation of this Agreement.

(g) Notices. All notices required or permitted under this Agreement shall be in writing and shall be sufficiently made or given if hand delivered or mailed by registered or certified mail, postage prepaid. Notice by mail shall be deemed delivered on the date on which it is postmarked.

Notices to the Company should be addressed to:

ADVENTRX Pharmaceuticals, Inc.
12390 El Camino Real, Suite 150
San Diego, CA 92130
Attention: Legal

Notice to the Grantee should be addressed to the Grantee at the Grantee's address as it appears on the records of the Company or a Subsidiary or a successor company (or a subsidiary or parent thereof).

The Company or the Grantee may by writing to the other party, designate a different address for notices. If the receiving party consents in advance, notice may be transmitted and received via facsimile or via such other electronic transmission mechanism as may be available to the parties. Such notices shall be deemed delivered when received.

(h) Agreement Not a Contract. This Agreement (and the grant of the Option) is not an employment or service contract, and nothing in the Option shall be deemed to create in any way whatsoever any obligation on Grantee's part to continue as an employee or director of or consultant to the Company or a Subsidiary or a successor company (or a subsidiary or parent thereof), or of the Company or a Subsidiary or a successor company (or a subsidiary or parent thereof) to continue Grantee's service as such an employee, director or consultant.

(i) Entire Agreement; Modification. This Agreement and the Plan contain the entire agreement between the parties with respect to the subject matter contained herein and may not be modified, except as provided in the Plan or in a written document signed by each of the parties hereto, and may be rescinded only by a written agreement signed by both parties.

IN WITNESS WHEREOF, the parties have executed this Agreement effective as of the Grant Date.

ADVENTRX PHARMACEUTICALS, INC.

By: _____

Grantee

**CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER PURSUANT TO
SECURITIES EXCHANGE ACT RULES 13a-14(a) AND 15(d)-14(a)
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Brian M. Culley, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of ADVENTRX 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 fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) 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.

November 8, 2011

/s/ Brian M. Culley _____
Brian M. Culley
Chief Executive Officer
(Principal Executive Officer)

**CERTIFICATION OF PRINCIPAL FINANCIAL OFFICER PURSUANT TO
SECURITIES EXCHANGE ACT RULES 13a-14(a) AND 15(d)-14(a)
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Patrick L. Keran, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of ADVENTRX 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 fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) 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.

November 8, 2011

/s/ Patrick L. Keran

Patrick L. Keran
President and Chief Operating Officer
(Principal Financial Officer)

**CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER AND PRINCIPAL FINANCIAL OFFICER PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of ADVENTRX Pharmaceuticals, Inc. (the "Company") on Form 10-Q for the quarter ended September 30, 2011, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Brian M. Culley, principal executive officer of the Company, certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (i) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, and
- (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

November 8, 2011

/s/ Brian M. Culley

Brian M. Culley
Chief Executive Officer
(Principal Executive Officer)

In connection with the Quarterly Report of ADVENTRX Pharmaceuticals, Inc. (the "Company") on Form 10-Q for the quarter ended September 30, 2011, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Patrick L. Keran, principal financial officer of the Company, certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (i) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, and
- (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

November 8, 2011

/s/ Patrick L. Keran

Patrick L. Keran
President and Chief Operating Officer
(Principal Financial Officer)

