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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

Mark One

☒ **Quarterly Report Pursuant to Section 13 or 15 (d) of the Securities Exchange Act of 1934**

For the quarterly period ended March 31, 2010

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: 001-33093

LIGAND PHARMACEUTICALS INCORPORATED

(Exact name of registrant as specified in its charter)

Delaware	**77-0160744**
(State or other jurisdiction of incorporation or organization)	**(I.R.S. Employer Identification No.)**
11085 Torrey Pines Road La Jolla, CA	**92037**
(Address of principal executive offices)	**(Zip Code)**

Registrant's Telephone Number, Including Area Code: (858) 550-7500

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

Large Accelerated Filer ☐ Accelerated Filer ☒ Non-Accelerated Filer ☐ Smaller Reporting Company ☐
(Do not check if a smaller reporting company)

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

As of April 26, 2010, the registrant had 117,579,148 shares of common stock outstanding.

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LIGAND PHARMACEUTICALS INCORPORATED
QUARTERLY REPORT

FORM 10-Q

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* No information provided due to inapplicability of item.

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PART I. FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

LIGAND PHARMACEUTICALS INCORPORATED
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)
(in thousands, except share data)

	March 31, 2010	December 31, 2009
ASSETS		
Current assets:		
Cash and cash equivalents	$ 4,044	$ 16,032
Short-term investments	35,012	37,200
Accounts receivable, net	298	618
Assets held for sale	—	3,170
Other current assets	1,317	1,364
Current portion of co-promote termination payments receivable	9,716	9,782
Total current assets	50,387	68,166
Restricted cash and investments	1,341	1,462
Property and equipment, net	7,772	8,522
Goodwill and other identifiable intangible assets	14,458	2,515
Long-term portion of co-promote termination payments receivable	29,057	30,993
Deferred income taxes	25,068	25,068
Other assets	5,537	5,081
Total assets	$ 133,620	$ 141,807
LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)		
Current liabilities:		
Accounts payable	$ 14,519	$ 16,945
Accrued liabilities	5,581	9,375
Payable to Neurogen stockholders	—	3,770
Allowances for loss on returns, rebates and chargebacks related to discontinued operations	19	31
Accrued litigation settlement costs	1,000	1,000
Current portion of deferred gain	1,702	1,702
Current portion of co-promote termination liability	9,716	9,782
Current portion of lease termination payments	4,493	4,487
Current portion of equipment financing obligations	81	91
Current portion of deferred revenue	4,323	4,989
Total current liabilities	41,434	52,172
Long-term portion of co-promote termination liability	29,057	30,993
Long-term portion of deferred revenue, net	2,546	3,495
Long-term portion of deferred gain	1,277	1,702
Long-term portion of lease termination payments	5,284	5,281
Income tax payable	28,378	28,108
Other long-term liabilities	15,155	7,968
Total liabilities	123,131	129,719
Commitments and contingencies		
Common stock subject to conditional redemption; 674,230 shares issued and outstanding at March 31, 2010 and December 31, 2009	8,344	8,344
Stockholders' equity (deficit):		
Convertible preferred stock, $0.001 par value; 5,000,000 shares authorized; none issued	—	—
Common stock, $0.001 par value; 200,000,000 shares authorized; 124,187,053 and 123,269,008 shares issued at March 31, 2010 and December 31, 2009, respectively	123	123
Additional paid-in capital	727,465	726,816
Accumulated other comprehensive income	1,021	513
Accumulated deficit	(684,330)	(681,574)
Treasury stock, at cost; 6,607,905 shares at March 31, 2010 and December 31, 2009	(42,134)	(42,134)
Total stockholders' equity (deficit)	2,145	3,744
	$ 133,620	$ 141,807

See accompanying notes.

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LIGAND PHARMACEUTICALS INCORPORATED
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)
(in thousands, except share data)

	Three Months Ended March 31,	
	2010	2009
Revenues:		
Royalties	$ 1,962	$ 2,730
Collaborative research and development and other revenues	3,996	6,740
Total revenues	5,958	9,470
Operating costs and expenses:		
Research and development	7,362	10,462
General and administrative	3,048	6,817
Total operating costs and expenses	10,410	17,279
Accretion of deferred gain on sale leaseback	(426)	(491)
Loss from operations	(4,026)	(7,318)
Other income (expense):		
Interest income	210	139
Interest expense	(18)	(194)
Other, net	1,119	(109)
Total other income (expense), net	1,311	(164)
Loss before income taxes	(2,715)	(7,482)
Income tax expense	274	—
Loss from continuing operations	(2,989)	(7,482)
Discontinued operations:		
Gain on sale of AVINZA Product Line before income tax benefit	9	2,131
Gain on sale of Oncology Product Line before income tax benefit	230	235
Income tax benefit on discontinued operations	—	—
Discontinued operations	239	2,366
Net loss:	$ (2,750)	$ (5,116)
Basic and diluted per share amounts:		
Loss from continuing operations	$ (0.02)	$ (0.07)
Discontinued operations	0.00	0.02
Net loss	$ (0.02)	$ (0.05)
Weighted average number of common shares	117,457,241	113,118,073

See accompanying notes.

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LIGAND PHARMACEUTICALS INCORPORATED
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)
(in thousands)

	For the three months ended March 31,	
	2010	2009
Operating activities		
Net loss	$ (2,750)	$ (5,116)
Less: gain from discontinued operations	239	2,366
Loss from continuing operations	(2,989)	(7,482)
Adjustments to reconcile net loss to net cash used in operating activities:		
Accretion of deferred gain on sale leaseback	(425)	(491)
Change in estimated fair value of contingent value rights	(552)	—
Impairment and amortization of acquired intangible assets	—	162
Depreciation and amortization of property and equipment	745	819
Non-cash lease costs	(47)	262
Gain on asset write-offs	(26)	(3)
Realized loss (gain) on investment	(691)	88
Stock-based compensation	624	820
Other	37	19
Changes in operating assets and liabilities, net of acquisition:		
Accounts receivable, net	320	(2,715)
Other current assets	47	802
Other long term assets	(456)	(202)
Accounts payable and accrued liabilities	(9,810)	(12,497)
Other liabilities	(1,300)	(174)
Deferred revenue	(1,615)	(2,214)
Net cash used in operating activities of continuing operations	(16,138)	(22,806)
Net cash provided by (used in) operating activities of discontinued operations	262	(1,315)
Net cash used in operating activities	(15,876)	(24,121)
Investing activities		
Purchases of property and equipment	(56)	(214)
Proceeds from sale of property and equipment and building	3,259	15
Acquisition of Metabasis, net of cash acquired	(2,834)	—
Purchases of short-term investments	(31,861)	(11,257)
Proceeds from sale of short-term investments	34,743	15,400
Other, net	629	(71)
Net cash provide by (used in) investing activities of continuing operations	3,880	3,873
Net cash provided by investing activities of discontinued operations	—	—
Net cash provided by (used in) investing activities	3,880	3,873
Financing activities		
Principal payments on equipment financing obligations	(10)	(163)
Repayment of debt	—	(3,443)
Net proceeds from issuance of common stock	18	21
Net cash used in financing activities	8	(3,585)
Net decrease in cash and cash equivalents	(11,988)	(23,833)
Cash and cash equivalents at beginning of period	16,032	28,753
Cash and cash equivalents at end of period	$ 4,044	$ 4,920

See accompanying notes.

LIGAND PHARMACEUTICALS INCORPORATED
Notes to Condensed Consolidated Financial Statements
(Unaudited)

1. Basis of Presentation

The accompanying condensed consolidated financial statements of Ligand Pharmaceuticals Incorporated (the "Company" or "Ligand") were prepared in accordance with instructions for this Quarterly Report on Form 10-Q for the quarter ended March 31, 2010 and, therefore, do not include all information necessary for a complete presentation of financial condition, results of operations, and cash flows in conformity with accounting principles generally accepted in the United States of America. However, all adjustments, consisting of normal recurring adjustments, which, in the opinion of management, are necessary for a fair presentation of the condensed consolidated financial statements, have been included. The results of operations and cash flows for the three months ended March 31, 2010 and 2009 are not necessarily indicative of the results that may be expected for the entire fiscal year or any other future period. These statements should be read in conjunction with the consolidated financial statements and related notes, which are included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2009.

The Company's and its partners' products are in various stages of development. Potential products that are at early stages of development may not reach the market for a number of reasons. Prior to generating revenues from these products, the Company or its collaborative partners must complete the development of the products in the human health care market. No assurance can be given that: (1) product development efforts will be successful, (2) required regulatory approvals for any indication will be obtained, (3) any products, if introduced, will be capable of being produced in commercial quantities at reasonable costs, or (4) patient and physician acceptance of these products will be achieved. The Company faces risks common to companies whose products are in various stages of development. These risks include, among others, the Company's need for additional financing to complete its research and development programs and commercialize its technologies. The Company has incurred significant losses since its inception. At March 31, 2010, the Company's accumulated deficit was $684.3 million. Management expects that the Company will continue to incur substantial research and development expenses. As further discussed in Note 2, the Company sold its oncology product line ("Oncology") on October 25, 2006 and its AVINZA product line ("AVINZA") on February 26, 2007. The operating results for Oncology and AVINZA have been presented in the accompanying condensed consolidated financial statements as "Discontinued Operations."

Principles of Consolidation

The condensed consolidated financial statements include the Company's wholly owned subsidiaries, Ligand Pharmaceuticals International, Inc., Seragen, Inc. ("Seragen"), Nexus Equity VI LLC ("Nexus"), Pharmacopeia, LLC, Neurogen Corporation and Metabasis Therapeutics, Inc. All significant intercompany accounts and transactions have been eliminated in consolidation.

Use of Estimates

The preparation of consolidated financial statements in conformity with generally accepted accounting principles requires the use of estimates and assumptions that affect the reported amounts of assets and liabilities, including disclosure of contingent assets and liabilities, at the date of the consolidated financial statements, and the reported amounts of revenue and expenses during the reporting period. The Company's critical accounting policies are those that are both most important to the Company's financial condition and results of operations and require the most difficult, subjective or complex judgments on the part of management in their application, often as a result of the need to make estimates about the effect of matters that are inherently uncertain. Because of the uncertainty of factors surrounding the estimates or judgments used in the preparation of the consolidated financial statements, actual results may materially vary from these estimates.

Income (Loss) Per Share

Basic earnings per share is calculated by dividing net income or loss by the weighted average number of common shares and vested restricted stock units outstanding. Diluted earnings per share is computed by dividing net income or loss by the weighted average number of common shares and vested restricted stock units outstanding and the weighted average number of dilutive common stock equivalents, including stock options and non-vested restricted stock units. Common stock equivalents are only included in the diluted earnings per share calculation when their effect is dilutive. For the three months ended March 31, 2010 and 2009, no potential common shares are included in the computation of any diluted per share amounts, including income (loss) per share from discontinued operations and net loss per share, as the Company reported a loss from continuing operations. Potential common shares, the shares that would be issued upon the exercise of outstanding stock options and warrants and the vesting of restricted shares that would be excluded from the computation of diluted loss per share, were 7.1 million and 5.8 million at March 31, 2010 and 2009, respectively.

Guarantees and Indemnifications

Under its amended and restated bylaws, the Company has agreed to indemnify its officers and directors for certain events or occurrences arising as a result of the officer's or director's serving in such capacity. The term of the indemnification period is for the officer's or director's lifetime. The maximum potential amount of future payments the Company could be required to make under these indemnification agreements is unlimited. The Company has a directors and officers liability insurance policy that limits its exposure and enables it to recover a portion of any future amounts paid. As a result of its insurance policy coverage, management believes the estimated fair value of these indemnification agreements is minimal and has no liabilities recorded for these agreements as of March 31, 2010 and December 31, 2009.

Revenue Recognition

Royalties on sales of AVINZA and PROMACTA are recognized in the quarter reported by the respective partner.

Revenue from research funding under the Company's collaboration agreements is earned and recognized on a percentage of completion basis as research hours are incurred in accordance with the provisions of each agreement.

Nonrefundable, up-front license fees and milestone payments with standalone value that are not dependent on any future performance by the Company under the Company's collaboration agreements are recognized as revenue upon the earlier of when payments are received or collection is assured, but are deferred if the Company has continuing performance obligations. Amounts received under multiple-element arrangements requiring ongoing services or performance by the Company are recognized over the period of such services or performance.

Revenue from milestones is recognized when earned, as evidenced by written acknowledgement from the collaborator, provided that (i) the milestone event is substantive, its achievability was not reasonably assured at the inception of the agreement, and the Company has no further performance obligations relating to that event, and (ii) collectability is reasonably assured. If these criteria are not met, the milestone payment is recognized over the remaining period of the Company's performance obligations under the arrangement.

Income Taxes

The Company recognizes liabilities or assets for the deferred tax consequences of temporary differences between the tax bases of assets or liabilities and their reported amounts in the financial statements. These temporary differences will result in taxable or deductible amounts in future years when the reported amounts of the assets or liabilities are recovered or settled. A valuation allowance is established when management determines that it is more likely than not that all or a portion of a deferred tax asset will not be realized. Management evaluates the realizability of its net deferred tax assets on a quarterly basis and valuation allowances are provided, as necessary. During this evaluation, management reviews its forecasts of income in conjunction with other positive and negative evidence surrounding the realizability of its deferred tax assets to determine if a valuation allowance is required. Adjustments to the valuation allowance will increase or decrease the Company's income tax provision or benefit. Management also applies the relevant guidance to determine the amount of income tax expense or benefit to be

allocated among continuing operations, discontinued operations, and items charged or credited directly to stockholders' equity (deficit). The Company recorded income tax expense of $0.3 million for the three months ended March 31, 2010 related to estimated interest on a proposed underpayment of tax.

A tax position must meet a minimum probability threshold before a financial statement benefit is recognized. The minimum threshold is a tax position that is more likely than not to be sustained upon examination by the applicable taxing authority, including resolution of any related appeals or litigation processes, based on the technical merits of the position. The Company recognizes interest and penalties related to uncertain tax positions in income tax expense.

Accounting for Stock-Based Compensation

Stock-based compensation expense for awards to employees and non-employee directors is recognized on a straight-line basis over the vesting period until the last tranche vests. Compensation cost for consultant awards is recognized over each separate tranche's vesting period. The Company recognized compensation expense of $0.6 million and $0.8 million for the three months ended March 31, 2010 and 2009, respectively. The compensation expense related to share-based compensation arrangements is recorded as components of research and development expenses ($0.3 million and $0.4 million) and general and administrative expenses ($0.3 million and $0.4 million) for the three months ended March 31, 2010 and 2009, respectively.

The fair-value for options that were awarded to employees and directors was estimated at the date of grant using the Black-Scholes option valuation model with the following weighted-average assumptions:

	Three Months Ended March 31,	
	2010	2009
Risk-free interest rate	2.7%	2.0%
Dividend yield	—	—
Expected volatility	73%	74%
Expected term	6.1 years	6.0 years

The expected term of the employee and non-employee director options is the estimated weighted-average period until exercise or cancellation of vested options (forfeited unvested options are not considered) based on historical experience. The expected term for consultant awards is the remaining period to contractual expiration.

Volatility is a measure of the expected amount of variability in the stock price over the expected life of an option expressed as a standard deviation. In selecting this assumption, management used the historical volatility of the Company's stock price over a period approximating the expected term.

Stock Option Activity

The following is a summary of the Company's stock option plan activity and related information:

	Shares	Weighted-Average Exercise Price	Weighted-Average Remaining Contractual Term in Years	Aggregate Intrinsic Value (in thousands)
Balance at December 31, 2009	4,011,477	$ 5.02		
Granted	1,286,850	1.66		
Exercised	—	—		
Forfeited	(39,947)	2.20		
Cancelled	(310,847)	10.11		
Balance at March 31, 2010	4,947,533	$ 3.85	8.06	$ 109
Exercisable at March 31, 2010	2,023,496	$ 5.68	6.61	$ 6
Options expected to vest as of March 31, 2010	4,551,801	$ 3.94	7.99	$ 97

The weighted-average grant-date fair value of all stock options granted during the three months ended March 31, 2010 was $1.09 per share. There were no options exercised during the three months ended March 31, 2010. As of March 31, 2010, there was $5.2 million of total unrecognized compensation cost related to nonvested stock options. That cost is expected to be recognized over a weighted-average period of 3.1 years.

As of March 31, 2010, 7.2 million shares were available for future option grants or direct issuance under the 2002 Plan.

Restricted Stock Activity

Restricted stock activity for the three months ended March 31, 2010 is as follows:

	Shares	Weighted-Average Grant Date Stock Price
Nonvested at December 31, 2009	574,287	$ 3.29
Granted	251,860	1.66
Vested	(263,815)	3.38
Forfeited	(9,933)	2.69
Nonvested at March 31, 2010	552,399	$ 2.51

The weighted-average grant-date fair value of restricted stock granted during the three months ended March 31, 2010 was $1.66 per share. As of March 31, 2010, there was $1.1 million of total unrecognized compensation cost related to nonvested restricted stock. That cost is expected to be recognized over a weighted-average period of 2.2 years.

Employee Stock Purchase Plan

On May 29, 2009, the Company's stockholders approved the amendment and restatement of the Company's Employee Stock Purchase Plan (the "Amended ESPP"). The Amended ESPP was amended to (a) increase the number of shares authorized for issuance under the Employee Stock Purchase Plan by 800,000, (b) extend the term of the Employee Stock Purchase Plan until June 2019, (c) reduce the length of offering periods from twenty-four

months to six months and reduce the number of purchase intervals during each offering period from eight to one, (d) eliminate the requirement that an employee have at least three months of employment as a condition to his or her eligibility to participate in the Amended ESPP, (e) provide that a participant will be eligible to purchase up to 7,500 shares of Ligand common stock during each offering period, but in no event may a participant purchase more than 7,500 shares of common stock during any calendar year, and (f) update the plan to conform it to recently issued Treasury Regulations applicable to employee stock purchase plans.

The Amended ESPP allows employees to purchase a limited amount of common stock at the end of each six month period at a price equal to 85% of the lesser of fair market value on either the start date of the period or the last trading day of the period (the "Lookback Provision"). The 15% discount and the Lookback Provision make the Amended ESPP compensatory. There were no shares of common stock issued under the Amended ESPP during the three months ended March 31, 2010, and the Company recorded compensation expense of $22,000. There were 9,140 shares of common stock issued under the Amended ESPP during the three months ended March 31, 2009, resulting in a compensation expense of $6,000. As of March 31, 2010, 712,731 shares were available for future purchases under the Amended ESPP.

Warrants

As of March 31, 2010, warrants to purchase 867,637 shares of the Company's common stock were outstanding with an exercise price of $8.59 per share and an expiration date of April 2012, and warrants to purchase 105,554 shares of the Company's common stock were outstanding with an exercise price of $9.47 per share and an expiration date of March 2011. The two series of warrants were assumed in the acquisition of Pharmacopeia, Inc.

As of March 31, 2010, 981,411 warrants with an exercise price of $29.90 per warrant and an expiration date of April 2013 were outstanding to purchase an aggregate of 776,160 shares of the Company's common stock. If exercised, these warrants are also entitled to receive $0.1 million in cash and 981,411 of each of the Company's four contingent value rights issued to Neurogen shareholders in December 2009. The series of warrants was assumed in the acquisition of Neurogen Corporation.

Cash, Cash Equivalents and Short-term Investments

Cash and cash equivalents consist of cash and highly liquid securities with maturities at the date of acquisition of three months or less. The following table summarizes the various investment categories at March 31, 2010 and December 31, 2009 (in thousands):

	Cost	Gross unrealized gains	Gross unrealized losses	Estimated fair value
March 31, 2010				
U.S. government securities	$12,960	$ 126	$ (71)	$13,015
Certificates of deposit	9,159	88	—	9,247
Corporate obligations	11,737	1,166	(153)	12,750
	33,856	1,380	(224)	35,012
Certificates of deposit—restricted	1,341	—	—	1,341
	$35,197	$ 1,380	$ (224)	$36,353
December 31, 2009				
U.S. government securities	$19,118	$ 51	$ (95)	$19,074
Certificates of deposit	5,784	2	(2)	5,784
Corporate obligations	11,866	486	(10)	12,342
	36,768	539	(107)	37,200
Certificates of deposit—restricted	1,341	—	—	1,341
	$38,109	$ 539	$ (107)	$38,541

In July 2007, the Company purchased $5.0 million of commercial paper issued by Golden Key Ltd. The investment was highly-rated and within the Company's investment policy at the time of purchase, but during the third quarter of 2007, large credit rating agencies downgraded the quality of this security. In addition, as a result of not meeting certain liquidity covenants, the assets of Golden Key Ltd. were assigned to a trustee who established a committee of the largest senior credit holders to determine the next steps. Subsequently, Golden Key Ltd. defaulted on its obligation to settle the security on the stated maturity date of October 10, 2007. Based on available information, management estimated that it would be able to recover approximately $2.5 million and $1.9 million of this investment as of March 31, 2010 and December 31, 2009, respectively. As a result of ongoing volatility in the liquidity of the capital markets, the Company may be exposed to additional impairment for this investment until it is fully recovered or disposed of.

Concentrations of Credit Risk

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash equivalents and investments.

The Company invests its excess cash principally in United States government debt securities, investment grade corporate debt securities and certificates of deposit. The Company has established guidelines relative to diversification and maturities that maintain safety and liquidity. These guidelines are periodically reviewed and modified to take advantage of trends in yields and interest rates. Except as described above, the Company has not experienced any significant losses on its cash equivalents, short-term investments or restricted investments.

As of March 31, 2010 and December 31, 2009, cash deposits held at financial institutions in excess of FDIC insured amounts of $250,000 were approximately $5.3 million.

Other Current Assets

Other current assets consist of the following (in thousands):

	March 31, 2010	December 31, 2009
Prepaid expenses	$ 626	$ 848
Other receivables	691	516
	$ 1,317	$ 1,364

Property and Equipment

Property and equipment is stated at cost and consists of the following (in thousands):

	March 31, 2010	December 31, 2009
Lab and office equipment	$ 24,094	$ 24,646
Leasehold improvements	11,728	11,728
Computer equipment and software	6,562	6,562
	42,384	42,936
Less accumulated depreciation and amortization	(34,612)	(34,414)
	$ 7,772	$ 8,522

Depreciation of equipment is computed using the straight-line method over the estimated useful lives of the assets, which range from three to ten years. Leasehold improvements are amortized using the straight-line method over their estimated useful lives or their related lease term, whichever is shorter.

Goodwill and Other Identifiable Intangible Assets

Goodwill and other identifiable intangible assets consist of the following (in thousands):

	March 31, 2010	December 31, 2009
Acquired in-process research and development	$13,758	$ 1,815
Goodwill	700	700
	$14,458	$ 2,515

As discussed in Note 7, on January 27, 2010, the Company completed its acquisition of Metabasis Therapeutics, following approval of the transaction by Metabasis stockholders. The Company paid $1.6 million in cash or about $0.046 per Metabasis share to Metabasis' stockholders. In addition, Metabasis stockholders received four tradable Contingent Value Rights (CVRs), one CVR from each of four respective series of CVRs, for each Metabasis share. The CVRs will entitle Metabasis stockholders to cash payments as frequently as every six months as cash is received by the Company from proceeds from Metabasis' partnership with Roche or the sale or partnering of any of the Metabasis drug development programs, among other triggering events. The Company has also committed to spend at least $8 million in new research and development funding on the Metabasis programs within 42 months following the closing of the transaction. The Company has allocated $12.0 million of the purchase price of Metabasis to acquired In-Process Research and Development (IPR&D).

Intangible assets related to IPR&D are considered to be indefinite-lived until the completion or abandonment of the associated research and development efforts. During the period the assets are considered to be indefinite-lived, they will not be amortized but will be tested for impairment on an annual basis and between annual tests if the Company becomes aware of any events occurring or changes in circumstances that would indicate a reduction in the fair value of the IPR&D projects below their respective carrying amounts. If and when development is complete, which generally occurs if and when regulatory approval to market a product is obtained, the associated assets would be deemed finite-lived and would then be amortized based on their respective estimated useful lives at that point in time. As of March 31, 2010, management has not performed an impairment test of IPR&D due to the recent acquisition of Metabasis.

Impairment of Long-Lived Assets

Management reviews long-lived assets for impairment annually or whenever events or changes in circumstances indicate the carrying amount of an asset may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to future undiscounted net cash flows expected to be generated by the asset. If such assets are considered to be impaired, the impairment to be recognized is measured as the amount by which the carrying amount of the assets exceeds the fair value of the assets. Fair value for the Company's long-lived assets is determined using the expected cash flows discounted at a rate commensurate with the risk involved. As of March 31, 2010, management believes that the future cash flows to be received from its long-lived assets will exceed the assets' carrying value.

Accrued Liabilities

Accrued liabilities consist of the following (in thousands):

	March 31, 2010	December 31, 2009
Warrant liability	$ 245	$ 459
Compensation	1,006	2,808
Legal	301	134
Restructuring costs	76	61
Other	3,953	5,913
	$ 5,581	$ 9,375

The following summarizes the activity in the allowances for loss on returns, rebates and charge-backs related to discontinued operations for the three months ended March 31, 2010 (in thousands):

	Charge-backs and Rebates	Returns	Total
Balance at December 31, 2009	$ 14	$ 17	$ 31
AVINZA Transaction Provision (1)	(2)	5	3
Oncology Transaction Provision (2)	(4)	—	(4)
Payments	—	—	—
Charges	—	(11)	(11)
Balance at March 31, 2010	$ 8	$ 11	$ 19

(1) The AVINZA transaction provision amounts represent changes in the estimates of the accruals for rebates, chargebacks and returns recorded in connection with the sale of the AVINZA product line.

(2) The Oncology transaction provision amounts represent changes in the estimates of the accruals for rebates, chargebacks and returns recorded in connection with the sale of the Oncology product line.

Comprehensive Income (loss)

Comprehensive income (loss) represents net income (loss) adjusted for the change during the periods presented in unrealized gains and losses on available-for-sale securities less reclassification adjustments for realized gains or losses included in net income (loss). Comprehensive loss is as follows (in thousands):

	Three Months Ended March 31,	
	2010	2009
Net loss as reported	$(2,750)	$(5,116)
Unrealized net gain (loss) on available-for-sale securities	508	(70)
Comprehensive loss	$(2,242)	$(5,186)

Recently Adopted Accounting Pronouncements

In October 2009, the FASB issued ASU No. 2009-13, "Multiple-Deliverable Revenue Arrangements," or ASU 2009-13, which amends existing revenue recognition accounting pronouncements that are currently within the scope of ASC 605. This guidance eliminates the requirement to establish the fair value of undelivered products and services and instead provides for separate revenue recognition based upon management's estimate of the selling price for an undelivered item when there is no other means to determine the fair value of that undelivered item. ASU 2009-13 is effective for the Company prospectively for revenue arrangements entered into or materially modified beginning January 1, 2011. The Company is currently evaluating the impact, if any, that the adoption of this amendment will have on its consolidated financial statements.

In January 2010, the FASB issued Accounting Standards Update ("ASU") No. 2010-06, *Improving Disclosures about Fair Value Measurements* , which, among other things, amends *Accounting Standards Topic 820 Fair Value Measurements and Disclosures (ASC 820)* to require entities to separately present purchases, sales, issuances, and settlements in their reconciliation of Level 3 fair value measurements (i.e., to present such items on a gross basis rather than on a net basis), and which clarifies existing disclosure requirements provided by ASC 820 regarding the level of disaggregation and the inputs and valuation techniques used to measure fair value for measurements that fall within either Level 2 or Level 3 of the fair value hierarchy. ASU No. 2010-06 is effective for interim and annual periods beginning after December 15, 2009, except for the disclosures about purchases, sales, issuances, and settlements in the roll forward of activity in Level 3 fair value measurements which are effective for fiscal years beginning after December 15, 2010 and for interim periods within those fiscal years. The Company's adoption of this standard had no impact on its consolidated financial position, results of operations or cash flows.

2. Discontinued Operations

Oncology Product Line

On September 7, 2006, the Company, Eisai Inc., a Delaware corporation and Eisai Co., Ltd., a Japanese company (together with Eisai Inc., "Eisai"), entered into a purchase agreement (the "Oncology Purchase Agreement") pursuant to which Eisai agreed to acquire all of the Company's worldwide rights in and to the Company's oncology products, including, among other things, all related inventory, equipment, records and intellectual property, and assume certain liabilities as set forth in the Oncology Purchase Agreement. The Oncology product line included the Company's four marketed oncology drugs: ONTAK, Targretin capsules, Targretin gel and Panretin gel.

Prior to the Oncology sale, the Company recorded accruals for rebates, chargebacks, and other discounts related to Oncology products when product sales were recognized as revenue under the sell-through method. Upon the Oncology sale, the Company accrued for rebates, chargebacks, and other discounts related to Oncology products in the distribution channel which had not sold-through at the time of the Oncology sale and for which the Company retained the liability subsequent to the sale. These products expired at various dates through July 31, 2008. The Company's accruals for Oncology rebates, chargebacks, and other discounts total $4,000 and $8,000 as of March 31, 2010 and December 31, 2009, respectively.

AVINZA Product Line

On September 6, 2006, the Company and King Pharmaceuticals, Inc. ("King"), entered into a purchase agreement (the "AVINZA Purchase Agreement"), pursuant to which King agreed to acquire all of the Company's rights in and to AVINZA in the United States, its territories and Canada, including, among other things, all AVINZA inventory, records and related intellectual property, and assume certain liabilities as set forth in the AVINZA Purchase Agreement (collectively, the "Transaction").

Prior to the AVINZA sale, the Company recorded accruals for rebates, chargebacks, and other discounts related to AVINZA products when product sales were recognized as revenue under the sell-through method. Upon the AVINZA sale, the Company accrued for rebates, chargebacks, and other discounts related to AVINZA products in

the distribution channel which had not sold-through at the time of the AVINZA sale and for which the Company retained the liability subsequent to the sale. These products expired at various dates through June 30, 2009. The Company's accruals for AVINZA rebates, chargebacks, and other discounts total $4,000 and $6,000 as of March 31, 2010 and December 31, 2009, respectively.

Additionally, and pursuant to the terms of the AVINZA Purchase Agreement, the Company retained the liability for returns of product from wholesalers that had been sold by the Company prior to the close of the transaction. Accordingly, as part of the accounting for the gain on the sale of AVINZA, the Company recorded a reserve for AVINZA product returns. AVINZA products sold by the Company may be returned through a specified period subsequent to the product expiration date, but no later than December 31, 2009. Under the sell-through revenue recognition method, the Company previously did not record a reserve for returns from wholesalers. The Company's reserve for AVINZA returns is $12,000 and $17,000 as of March 31, 2010 and December 31, 2009, respectively.

3. Financial Instruments

The Company measures certain financial assets and liabilities at fair value on a recurring basis, including available-for-sale fixed income and equity securities and other equity securities. The fair value of these certain financial assets and liabilities was determined using the following inputs at March 31, 2010:

	Fair Value Measurements at Reporting Date Using			
	Total	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
Fixed income available-for-sale securities	$35,012	$ 32,512	$ 2,500	$ —
Liabilities:				
Warrant liability	$ 245	$ —	$ —	$ 245
Payable to shareholders for contingent value rights	8,590	$ 8,590	$ —	$ —
Total liabilities:	$ 8,835	$ 8,590	$ —	$ 245

The Company's short-term investments are fixed income available-for-sale securities and include U.S. Government Notes, Corporate Notes and Corporate Discount Commercial Paper. The fair value of the Company's short-term investments are determined using quoted market prices in active markets. The fair value of the warrant liability is determined using the Black-Scholes option-pricing model, which uses certain significant observable inputs, including stock price (quoted market prices in active market), warrant exercise price (defined in warrant agreement), expected life of warrant (defined in warrant agreement), dividend yields (determined by the Company), and risk-free interest rate (quoted market prices based on expected life assumption). The fair value of the payable to shareholders for contingent value rights is determined using quoted market prices in active markets.

4. AVINZA Co-Promotion

In February 2003, the Company and Organon Pharmaceuticals USA Inc. ("Organon") announced that they had entered into an agreement for the co-promotion of AVINZA. Subsequently in January 2006, the Company signed an agreement with Organon that terminated the AVINZA co-promotion agreement between the two companies and returned AVINZA co-promotion rights to Ligand. In consideration of the early termination and return of rights under the terms of the agreement, the Company agreed to and paid Organon $37.8 million in October 2006. The Company further agreed to and paid Organon $10.0 million in January 2007, in consideration of certain minimum sales calls during a Transition Period. In addition, following the Transition Period, the Company agreed to make royalty payments to Organon equal to 6.5% of AVINZA net sales through December 31, 2012 and thereafter 6.0% through patent expiration, currently anticipated to be November of 2017.

On February 26, 2007, the Company consummated its agreement with King pursuant to which King acquired all of the Company's rights in and to AVINZA, assumed certain liabilities, and reimbursed the Company the $47.8 million previously paid to Organon (comprised of the $37.8 million paid in October 2006 and the $10.0 million that

the Company paid in January 2007). King also assumed the Company's co-promote termination obligation to make payments to Organon based on net sales of AVINZA. In connection with King's purchase of AVINZA, Organon did not consent to the legal assignment of the co-promote termination obligation to King. Accordingly, the Company remains liable to Organon in the event of King's default of the obligation. Therefore, the Company recorded an asset as of February 26, 2007 to recognize King's assumption of the obligation, while continuing to carry the co-promote termination liability in the Company's consolidated financial statements to recognize the Company's legal obligation as primary obligor to Organon. This asset represents a non-interest bearing receivable for future payments to be made by King and is recorded at its fair value based on management's estimate of future sales of AVINZA. The receivable and liability will remain equal and adjusted each quarter for changes in the estimated fair value of the obligation including for any changes in the estimate of future net AVINZA product sales. This receivable will be assessed on a quarterly basis for impairment (e.g., in the event King defaults on the assumed obligation to pay Organon). As of March 31, 2010 and December 31, 2009, the fair value of the co-promote termination liability (and the corresponding receivable) was determined using a discount rate of 15%.

On an annual basis, management reviews the carrying value of the co-promote termination liability. Due to assumptions and judgments inherent in determining the estimates of future net AVINZA sales through November 2017, the actual amount of net AVINZA sales used to determine the current fair value of the Company's co-promote termination asset and liability may be materially different from current estimates.

A summary of the co-promote termination liability as of March 31, 2010 is as follows (in thousands):

Net present value of payments based on estimated future net AVINZA product sales as of December 31, 2009	$40,775
Assumed payments made by King or assignee	(2,113)
March 31, 2010 fair value adjustment of estimated future payments based on estimated future net AVINZA product sales	111
Total co-promote termination liability as of March 31, 2010	38,773
Less: current portion of co-promote termination liability as of March 31, 2010	(9,716)
Long-term portion of co-promote termination liability as of March 31, 2010	$29,057

5. Property Leases

In August 2009, the Company entered into a lease termination agreement for its 82,500 square foot office and laboratory facility in San Diego, California, which had a lease term through November 2021. Under the terms of the termination agreement, the Company will pay a termination fee of $14.3 million as follows: $4.5 million was paid upon signing, $4.5 million in July 2010 and $5.3 million in April 2011. As a result, during the third quarter of 2009, the Company recorded lease termination costs of $15.2 million, which included the net present value of the lease termination payments of $14.3 million and $0.9 million of other costs associated with the lease termination. In addition, the Company entered into a new lease with the same landlord for a period of 27 months commencing October 2009, for premises consisting of approximately 30,000 square feet of office and lab space located in San Diego to serve as its new corporate headquarters. Under the terms of the new lease, the Company pays a basic annual rent of $1.2 million (subject to an annual fixed percentage increase, as set forth in the agreement), plus other normal and necessary expenses associated with the lease.

The Company leases approximately 99,000 square feet in three facilities in Cranbury, New Jersey under leases that expire in 2016. The leases for the New Jersey facilities provide generally for scheduled rent increases, options to extend the leases with certain changes to the terms of the lease agreement, and refurbishment allowances. Commencing September 2009, the Company sublet 5,100 square feet of space through August 2014. As of March 31, 2010, the Company expects to receive $0.4 million in aggregate future lease payments over the duration of the sublease agreement.

The Company also leases an office and research facility in San Diego, California under an operating lease arrangement through July 2015. Commencing January 2008, the Company sublet this facility through July 2015 and fully vacated this facility in February 2008. The lease agreement provides for increases in annual rents based on changes in the Consumer Price Index or fixed percentage increases ranging from 3% to 7%. The sublease agreement provides for a 3% increase in annual rents. As of March 31, 2010, the Company expects to receive aggregate future minimum lease payments totaling $4.7 million (nondiscounted) over the duration of the sublease agreement. The Company recorded a net charge to operating expenses of $4.3 million for exit costs when it fully ceased use of this facility in the first quarter of 2008. The net charge consisted of a $6.5 million charge for future rent payments offset by a $2.3 million reversal of deferred rent. As of March 31, 2010 and December 31, 2009, $5.3 million and $5.5 million, respectively, has been recorded as a liability for these exit costs and included in accrued liabilities and other long-term liabilities on the condensed consolidated balance sheets.

6. Litigation

The Company and Seragen, Inc., a subsidiary, were named parties to *Sergio M. Oliver, et al. v. Boston University, et al.*, a shareholder class action filed on December 17, 1998 in the Court of Chancery in the State of Delaware. The Company and Seragen were dismissed from the action, but such dismissal is subject to appeal and the Company and Seragen may have possible indemnification obligations with respect to certain defendants. On December 21, 2009, the remaining parties entered into a Stipulation and Agreement of Compromise, Settlement and Release which the Court approved on March 15, 2010.

In February 2009, the Company reached a settlement with The Rockefeller University whereby the parties resolved all disputes that have arisen between them. As part of the settlement, the Company agreed to pay Rockefeller, $5.0 million immediately upon settlement, $1.0 million on or before February 10, 2010, $1.0 million on or before February 10, 2011, and 50% of any milestone payment and 5.88% to 7.0% of certain royalties, in each case received by the Company pursuant to an agreement with SmithKline Beecham Corporation (now known as GlaxoSmithKline) entered into on December 29, 1994. The Company also agreed to pay Rockefeller 1.5% of world-wide net sales of LGD-4665 as certain payments are received by the Company pursuant to its agreement with SmithKline Beecham Corporation entered into on December 17, 2008. As of March 31, 2010, the Company has recorded a liability of $1.0 million related to the settlement, which is included in current portion of accrued litigation settlement costs in the accompanying balance sheets.

In addition, from time to time the Company is subject to various lawsuits and claims with respect to matters arising out of the normal course of its business. If, based on the Company's assessment, it is probable that a liability has been incurred and can be reasonably estimated, then such loss is accrued and charged to operations. Management believes all costs that can be reasonably estimated will not exceed the related existing accruals.

7. Acquisition of Metabasis

On January 27, 2010, the Company completed the acquisition of Metabasis Therapeutics, Inc. (NASDAQ: MBRX), following approval of the transaction by Metabasis stockholders. As a result, the Company gained a fully funded partnership with Roche, additional pipeline assets and drug discovery technologies and resources. The transaction was first announced on October 27, 2009. The Company paid $1.8 million in cash or about $0.046 per Metabasis share to Metabasis' stockholders. In addition, Metabasis stockholders received four tradable Contingent Value Rights (CVRs), one CVR from each of four respective series of CVRs, for each Metabasis share. The CVRs will entitle Metabasis stockholders to cash payments as frequently as every six months as cash is received by the Company from proceeds from Metabasis' partnership with Roche or the sale or partnering of any of the Metabasis drug development programs, among other triggering events. The Company has also committed to spend at least $8 million in new research and development funding on the Metabasis programs within 42 months following the closing of the transaction.

The components of the preliminary purchase price allocation for Metabasis are as follows:

Purchase Consideration:	
(in thousands)	
Cash paid to Metabasis shareholders	$ 1,758
Fair value of contingent value rights	9,142
Total purchase consideration	$10,900
Allocation of Purchase Price:	
(in thousands)	
Cash acquired	$ 376
Other current assets	382
Acquired in-process research and development	11,975
Liabilities assumed	(1,833)
	$10,900

There were no acquired identified intangible assets with definite lives from the acquisition with Metabasis. The Company expensed approximately $0.3 million of transaction costs related to the acquisition.

The Company has allocated $12.0 million of the purchase price of Metabasis to IPR&D. This amount represents the estimated fair value of various acquired in-process projects that have not yet reached technological feasibility and do not have future alternative use as of the date of the merger. The amount is related to internal and partnered product candidates targeting a variety of indications and currently in the preclinical stage of development. Of the total amount, $2.8 million relates to a fully funded partnership with Roche for hepatitis C, $3.0 million relates to an internal program for glucagon antagonists to treat type 2 diabetes, $2.5 million relates to an internal liver-targeted thyroid receptor B agonist (TR Beta) program, and $3.7 million relates to various early stage programs as well as an equity interest in a private biotechnology company. The estimated fair values of acquired IPR&D was based on the relative value of the grossed up trading price of each CVR that it is associated with assuming former Metabasis shareholders would retain 50% of the Glucagon, TR Beta and General CVR's and 66% of the Roche CVR. The total value of $12.0 million was allocated based on the following percentages; Roche CVR – 23%, Glucagon CVR – 25%, TR Beta CVR – 21% and General CVR – 31%.

In addition, at the closing of the acquisition, the Company recorded a $9.1 million liability for amounts potentially due to Metabasis shareholders related to the CVR agreements. The fair value of the liability was determined using quoted market prices in active markets. The liability will be marked-to-market at each reporting period based upon the quoted market prices of the underlying CVR. The fair value of the liability at March 31, 2010 was $8.6 million. As a result, the Company recorded other income of $0.6 million during the three months ended March 31, 2010.

8. Warrant Liability

In connection with the acquisition of Pharmacopeia, Inc., the Company assumed approximately 867,637 warrants (as adjusted as a result of the merger from the original 1,450,000) to purchase its common stock. To qualify as permanent equity, an equity derivative must permit the issuer to settle in unregistered shares. Under securities law, if the warrants were issued in connection with a public offering and have a cash settlement feature at the holder's option, a company does not have the ability to settle in unregistered shares. Therefore, the warrants cannot be classified as permanent equity and are instead classified as a liability. The warrants issued as part of Pharmacopeia's equity financing in October 2006 meet this criteria, and have been recorded as a liability in the accompanying balance sheet. The fair value of the warrants is remeasured at each reporting date until the warrants are exercised or have expired. Changes in the fair value of the warrants are reported in the statement of operations as income (decreases) or expense (increases). At March 31, 2010 and December 31, 2009, the fair value of the warrants was approximately $0.2 million and $0.5 million, respectively, and is included in accrued liabilities.

The fair value of the warrants was calculated using the Black-Scholes option-pricing model with the following assumptions at March 31, 2010 and December 31, 2009:

	March 31, 2010	December 31, 2009
Risk-free interest rate	1.0%	1.1%
Dividend yield	—	—
Expected volatility	96%	98%
Expected term	2.0 years	2.3 years

9. Common Stock Subject to Conditional Redemption

During the three months ended March 31, 2009, the Company earned a milestone from Pfizer, Inc. (Pfizer). In April 2009, pursuant to the Company's 1991 research agreement and 1996 settlement agreement with Pfizer, Pfizer elected to pay the milestone by returning 323,338 shares of stock it owns in the Company, which at the date the milestone was earned had a market value of $0.9 million. Ligand retired the tendered shares in May 2009. The difference between the fair value of the shares tendered and the carrying value of such shares based on the contractual exchange ratio, approximately $3.1 million, was credited to additional paid-in capital. The Company is entitled to royalties on future sales from Pfizer, which pursuant to the 1996 settlement agreement, Pfizer may elect to pay by returning up to 674,230 shares of stock it owns in Ligand.

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

Caution: This discussion and analysis may contain predictions, estimates and other forward-looking statements that involve a number of risks and uncertainties, including those discussed in Item 1A "Risk Factors." This outlook represents our current judgment on the future direction of our business. These statements include those related to our AVINZA and PROMACTA royalty revenues, product returns, and product development. Actual events or results may differ materially from our expectations. For example, there can be no assurance that our revenues or expenses will meet any expectations or follow any trend(s), that we will be able to retain our key employees or that we will be able to enter into any strategic partnerships or other transactions. We cannot assure you that we will receive expected AVINZA and PROMACTA royalties to support our ongoing business or that our internal or partnered pipeline products will progress in their development, gain marketing approval or achieve success in the market. In addition, ongoing or future arbitration, or litigation or disputes with third parties may have a material adverse effect on us. Such risks and uncertainties, and others, could cause actual results to differ materially from any future performance suggested. We undertake no obligation to release publicly the results of any revisions to these forward-looking statements to reflect events or circumstances arising after the date of this quarterly report. This caution is made under the safe harbor provisions of Section 21E of the Securities Exchange Act of 1934, as amended.

Our trademarks, trade names and service marks referenced herein include Ligand. Each other trademark, trade name or service mark appearing in this quarterly report belongs to its owner.

References to Ligand Pharmaceuticals Incorporated ("Ligand," the "Company," "we" or "our") include our wholly owned subsidiaries—Ligand Pharmaceuticals (Canada) Incorporated; Seragen, Inc. ("Seragen"); Nexus Equity VI LLC ("Nexus"); Pharmacopeia, LLC; Neurogen Corporation; and Metabasis Therapeutics, Inc.

Overview

We are a biotechnology company that focuses on drug discovery and early-stage development of pharmaceuticals that address critical unmet medical needs or that are more effective and/or safer than existing therapies, more convenient to administer and are cost effective. Our goal is to build a profitable company by generating income from research, milestone, and royalty revenues resulting from our collaborations with pharmaceutical partners.

On September 7, 2006, we announced the sale of ONTAK, Targretin capsules, Targretin gel, and Panretin gel to Eisai, Inc., or Eisai, and the sale of AVINZA to King Pharmaceuticals, Inc., or King. The Eisai sales transaction subsequently closed on October 25, 2006. The AVINZA sale transaction subsequently closed on February 26, 2007. Accordingly, the results for the Oncology and AVINZA Product Lines have been presented in our consolidated statements of operations as "Discontinued Operations."

On December 23, 2008, we acquired all of the outstanding common shares of Pharmacopeia, Inc., or Pharmacopeia. Pharmacopeia was a clinical development stage biopharmaceutical company dedicated to discovering and developing novel small molecule therapeutics to address significant medical needs. Pharmacopeia's strategy was to retain the rights to product candidates at least to clinical validation, and to continue with (i) development on its own New Drug Application, or NDA, filings and (ii) commercialization for selected indications. Pharmacopeia had a broad portfolio of clinical and preclinical candidates under development internally or by partners.

On December 23, 2009, we acquired all of the outstanding common shares of Neurogen Corporation, or Neurogen. As consideration, we issued approximately 4.2 million shares of our common stock to Neurogen stockholders, or approximately 0.061 shares of our common stock for each outstanding Neurogen share, as well as approximately $0.6 million in cash. Security holders of Neurogen also received contingent value rights, under which they could receive cash payments under certain circumstances. Neurogen was a drug development company historically focusing on small-molecule drugs to improve the lives of patients suffering from psychiatric and neurological disorders with significant unmet medical needs. Neurogen has conducted its drug development independently and, when advantageous, collaborated with world-class pharmaceutical companies to access

additional resources and expertise.

On January 27, 2010, we completed the acquisition of Metabasis Therapeutics, Inc., or Metabasis, following approval of the transaction by Metabasis stockholders. As a result, we gained a fully funded partnership with Hoffman-La Roche, or Roche, additional pipeline assets and drug discovery technologies and resources. We paid $1.6 million in cash or about $0.046 per Metabasis share to Metabasis' stockholders. In addition, Metabasis stockholders received four tradable Contingent Value Rights (CVRs), one CVR from each of four respective series of CVRs, for each Metabasis share. The CVRs will entitle Metabasis stockholders to cash payments as frequently as every six months as cash is received by us from proceeds from Metabasis' partnership with Roche or the sale or partnering of any of the Metabasis drug development programs, among other triggering events.

Our business strategy includes targeted internal drug research and early-stage development capabilities. We believe that we have promising product candidates throughout our internal development programs. We also have research and development collaborations for our product candidates with numerous global pharmaceutical companies. These collaborations include ongoing clinical programs at Bristol-Myers Squibb, or BMS, GlaxoSmithKline, or GSK, Pfizer, Merck & Co., Inc., or Merck, Roche, Cephalon and Celgene. We aim to create value for shareholders by advancing our internally developed programs through early clinical development and then entering licensing agreements with larger pharmaceutical and biotechnology companies with substantially greater development and commercialization infrastructure. In addition to advancing our R&D programs, we expect to collect licensing fees and royalties from existing and future license agreements. We aim to build a profitable company by generating income from our corporate licenses.

We currently receive royalty revenues from King Pharmaceuticals, or King, and GSK. In February 2007, we completed the sale of our AVINZA product line to King. As a result of the sale, we received the right to future royalties on the net sales of AVINZA through 2017.

In December 2008, the U.S. Food and Drug Administration, or FDA, granted accelerated approval of GSK's PROMACTA for the treatment of thrombocytopenia in patients with chronic immune (idiopathic) thrombocytopenic purpura, or ITP, who have had an insufficient response to corticosteroids, immunoglobulins or splenectomy. PROMACTA is also approved under the trade name Revolade(R) in Venezuela, Kuwait, Chile and Russia. GSK also filed a regulatory application for PROMACTA in Japan in September 2009. PROMACTA is the first oral thrombopoietin, or TPO, receptor agonist therapy for the treatment of adult patients with chronic ITP. In March 2010, GSK received approval for Revolade from the European Medicines Agency's Committee for Medicinal Products for Human Use (CHMP) for the oral treatment of thrombocytopenia (reduced platelet count) in adults with the blood disorder chronic ITP. As a result of the regulatory approvals of PROMACTA, we are entitled to receive tiered royalties based on annual net sales of PROMACTA. As part of a settlement agreement and mutual release we entered into on February 11, 2009 with The Rockefeller University, or Rockefeller, we agreed to pay a share of such royalties to Rockefeller.

We also have the potential to receive near-term royalties on product candidates resulting from our research and development collaboration arrangements with third party pharmaceutical companies if and when any such product candidate is ultimately approved by the FDA and successfully marketed. Our near-term product candidates are discussed below.

In addition to the accelerated approval granted for GSK's PROMACTA for the treatment of thrombocytopenia in patients with chronic ITP, GSK also reported new phase III results for PROMACTA in chronic ITP at the 2009 14th Congress of European Hematology meeting and initiated two Phase III trials in patients with hepatitis C in the fourth quarter of 2007. GSK presented PROMACTA CLD Phase III data at the European Association for the Study of the Liver (EASL) conference in April 2010. At study termination with 292 patients, both primary and secondary efficacy end points were met. A platelet transfusion was avoided in 104 (72%) of the patients treated with PROMACTA versus 28 (19%) of the patients on placebo ($p<0.0001$). A Phase II study in patients with oncology-related thrombocytopenia is ongoing and a Phase I study is ongoing in patients with sarcoma receiving the adriamycin and ifosfamide regimen.

Bazedoxifene (Viviant) is a product candidate that resulted from one of our collaborations with Wyeth (now Pfizer). Bazedoxifene is a synthetic drug that was specifically designed to reduce the risk of osteoporotic fractures

while at the same time protecting breast and uterine tissue. Regarding Viviant, the FDA has advised that it expects to convene an advisory committee to review the pending NDAs for both the treatment and prevention indications. Approvable letters were received for each of these NDAs, in which, among other things, the FDA requested further analyses and discussion concerning the incidence of stroke and venous thrombotic events, identified certain issues concerning data collection and reporting, and requested additional source documents. An FDA-requested advisory committee meeting is expected to be scheduled following submission of the complete response to the approvable letters. In April 2009, Pfizer received approval in the EU for CONBRIZA (the EU trade name for Viviant) for the treatment of postmenopausal osteoporosis in women at increased risk of fracture. We expect CONBRIZA to be launched in the EU in 2010.

Pfizer is also developing bazedoxifene in combination with PREMARIN (Aprela) as a tissue selective estrogen complex under development for menopausal symptoms and osteoporosis. Two Phase III studies with bazedoxifene/conjugated estrogens (Aprela) showed reduced number and severity of hot flashes in symptomatic postmenopausal women by up to 80 percent when compared with placebo. Pfizer expects to file an initial NDA in the second half of 2010. We are entitled to receive tiered royalties on these products.

Lasofoxifene (FABLYN®) is a product candidate that resulted from our collaboration with Pfizer. Pfizer submitted an NDA and an MAA for FABLYN for osteoporosis treatment in December 2007 and January 2008, respectively. The FDA Advisory Committee in early September 2008 voted 9-3 in favor of approving this drug. In January 2009, Pfizer received a complete response letter from the FDA requesting additional information for FABLYN. In February 2009 FABLYN received approval in the EU for the treatment of osteoporosis. Pfizer reported that following a strategic review, it decided to explore strategic options for FABLYN, including out-licensing or sale. Under the terms of our agreement with Pfizer, we are entitled to receive royalty payments on worldwide net sales of lasofoxifene for any indication.

In April 2010, we earned a $6.5 million milestone payment from Roche as a result of Roche progressing RG7348 into a Phase I clinical trial for the treatment of hepatitis C viral (HCV) infection. The milestone payment arises from a 2008 collaboration and license agreement between Roche and Metabasis and approximately 65% will be shared with Metabasis shareholders under a contingent value rights agreement.

Results of Operations

Total revenues for the three months ended March 31, 2010 were $6.0 million compared to $9.5 million for the same 2009 period. We reported a loss from continuing operations of $3.0 million for the three months ended March 31, 2010 compared to a loss from continuing operations of $7.5 million for the same 2009 period.

Royalty Revenue

Royalty revenues were $2.0 million for the three months ended March 31, 2010 compared to $2.7 million for the same period in 2009. The decreases in royalty revenues of $0.7 million is primarily due to a reduction in the contractual royalty rate from 15% to 5% under our agreement with King for AVINZA sales, partially offset by PROMACTA royalties.

Collaborative Research and Development and Other Revenues

Collaborative research and development and other revenues were $4.0 million for the three months ended March 31, 2010 compared to $6.7 million for the same period in 2009. The decrease of $2.7 million is primarily due to a decrease in milestone revenues of $1.7 million as a result of $1.0 million of milestones received from Schering-Plough in 2010, compared with $2.7 million of milestones received from Pfizer, Schering-Plough and GlaxoSmithKline in 2009, and a decrease in collaboration revenues of $1.0 million as a result of the termination of our collaboration agreements with Schering-Plough and Bristol-Myers Squibb.

Research and Development Expenses

The major components of research and development expenses are as follows (in thousands):

	Three Months Ended March 31,	
	2010	2009
Internal research programs	$3,068	$ 3,434
Collaborative research	3,646	3,504
Development	648	3,524
Total research and development	$7,362	$10,462

Research and development expenses were $7.4 million for the three months ended March 31, 2010 compared to $10.5 million for the same 2009 period. The decrease of $3.1 million is primarily due to $2.9 million of costs associated with clinical trials and $0.2 million in reduced consulting and outside service costs associated with internal research programs.

A summary of our significant internal research and development programs as of March 31, 2010 is as follows:

Program	Disease/Indication	Development Phase
Selective Androgen Receptor Modulators (SARMs) (agonists)	Muscle wasting and frailty	Phase I
Thyroid receptor beta agonists	Hyperlipidemia	Phase I and Preclinical
Small molecule Erythropoietin (EPO) receptor agonists	Chemotherapy-induced anemia, anemia due to kidney failure	Preclinical
Glucagon receptor antagonists	Diabetes	Preclinical
Histamine 3 (H3) receptor antagonists	Cognitive disorders	Research

We do not provide forward-looking estimates of costs and time to complete our ongoing research and development projects, as such estimates would involve a high degree of uncertainty. Uncertainties include our inability to predict the outcome of complex research, our inability to predict the results of clinical studies, regulatory requirements placed upon us by regulatory authorities such as the FDA and EMEA, our inability to predict the decisions of our collaborative partners, our ability to fund research and development programs, competition from other entities of which we may become aware in future periods, predictions of market potential from products that may be derived from our research and development efforts, and our ability to recruit and retain personnel or third-party research organizations with the necessary knowledge and skills to perform certain research. Refer to “Item 1A. Risk Factors” for additional discussion of the uncertainties surrounding our research and development initiatives.

General and Administrative Expenses

General and administrative expenses were $3.0 million for the three months ended March 31, 2010 compared to $6.8 million for the same period in 2009. The decrease of $3.8 million is primarily due to $1.4 million of reduced legal expenses as ongoing litigation was settled in the first quarter of 2009, $1.0 million of facilities costs as a result of our lease buyout, $0.7 million of lower headcount costs as a result of staff reductions, and $0.3 million of lower consulting and outside service costs.

Accretion of Deferred Gain on Sale Leaseback

On November 9, 2006, we sold real property located in San Diego, California for a sale price of $47.6 million. This property includes our corporate headquarter building totaling approximately 82,500 square feet, the land on which the building is situated, and two adjacent vacant lots. As part of the sale transaction, we agreed to leaseback the building for a period of 15 years. We recognized an immediate pre-tax gain on the sale transaction of $3.1 million and deferred a gain of $29.5 million on the sale of the building. The deferred gain was being recognized on a straight-line basis over the 15 year term of the lease at a rate of approximately $2.0 million per year. In August 2009, we entered into a lease termination agreement for this building. As a result, we recognized $20.4 million of accretion of deferred gain during the quarter ended September 30, 2009, and will recognize the remaining balance of the deferred gain through the term of our new building lease, which expires in December 2011. The amount of the deferred gain recognized for the three months ended March 31, 2010 was $0.4 million, compared to $0.5 million for the same period in 2009.

Interest Income

Interest income was $0.2 million for the three months ended March 31, 2010 compared to $0.1 million for the same period in 2009. The increase in interest income is primarily due to higher average yields.

Income Taxes

We recorded income tax expense of $0.3 million for the three months ended March 31, 2010 related to estimated interest on a proposed underpayment of tax. In December 2009, the Internal Revenue Service, or IRS, issued to us a Notice of Proposed Adjustment, or NOPA, seeking an increase to our taxable income for the 2007 fiscal year of $71.5 million and a $4.1 million penalty for substantial underpayment of tax in fiscal 2007. We responded to the NOPA in February 2010, disagreeing with the conclusions reached by the IRS in the NOPA. We have recorded a FIN 48 liability of $25.1 million related to the income tax effect of the NOPA and $3.3 million related to estimated interest due on the proposed underpayment of tax. We also recorded deferred income tax assets of $25.1 million associated with the ability to carry back losses from 2008 and 2009 to offset the NOPA. In addition, we recorded an income tax receivable of $4.5 million associated with changes in income tax law in relation to prior AMT taxes paid on carry back periods. We have not recorded the penalties proposed by the IRS in our financial statements as we believe that we met the appropriate standard for the tax position on our 2007 tax return. If we are unsuccessful in our negotiations with the IRS, we may be required to pay the $4.1 million penalty and utilize a significant amount of our net operating loss carryforwards.

We recorded no provision for income taxes for the three months ended March 31, 2009 as we did not realize any taxable income from either continuing or discontinued operations.

Discontinued Operations

Oncology Product Line

On September 7, 2006, we and Eisai Inc., a Delaware corporation and Eisai Co., Ltd., a Japanese company (which we collectively refer to as Eisai), entered into a purchase agreement, or the Oncology Purchase Agreement, pursuant to which Eisai agreed to acquire all of our worldwide rights in and to our oncology products, including, among other things, all related inventory, equipment, records and intellectual property, and assume certain liabilities as set forth in the Oncology Purchase Agreement. The Oncology product line included our four marketed oncology drugs: ONTAK, Targretin capsules, Targretin gel and Panretin gel.

Pursuant to the terms of the Oncology Purchase Agreement, we retained the liability for returns of product from wholesalers that had been sold by us prior to the close of the transaction. Accordingly, as part of the accounting for the gain on the sale of the Oncology product line, we recorded a reserve for Oncology product returns.

During the three months ended March 31, 2010, we recognized a $0.2 million pre-tax gain due to subsequent changes in certain estimates and liabilities recorded as of the sale date. During the three months ended March 31,

2009, we recognized a $0.2 million pre-tax gain due to subsequent changes in certain estimates and liabilities recorded as of the sale date.

AVINZA Product Line

On September 6, 2006, we and King entered into a purchase agreement, or the AVINZA Purchase Agreement, pursuant to which King agreed to acquire all of our rights in and to AVINZA in the United States, its territories and Canada, including, among other things, all AVINZA inventory, records and related intellectual property, and assume certain liabilities as set forth in the AVINZA Purchase Agreement, which we collectively refer to as the Transaction.

Pursuant to the terms of the AVINZA Purchase Agreement, we retained the liability for returns of product from wholesalers that had been sold by us prior to the close of the Transaction. Accordingly, as part of the accounting for the gain on the sale of AVINZA, we recorded a reserve for AVINZA product returns.

During the three months ended March 31, 2010, we recognized a pre-tax gain of $9,000 due to subsequent changes in certain estimates and liabilities recorded as of the sale date. During the three months ended March 31, 2009, we recognized a pre-tax gain of $2.1 million due to subsequent changes in certain estimates and liabilities recorded as of the sale date.

Income Taxes

We recorded no provision for income taxes related to discontinued operations for the three months ended March 31, 2010 and 2009 as we did not realize any taxable income from discontinued operations.

Liquidity and Capital Resources

We have financed our operations through offerings of our equity securities, issuance of convertible notes, product sales and the subsequent sales of our commercial assets, royalties, collaborative research and development and other revenues, capital and operating lease transactions, accounts receivable factoring and equipment financing arrangements and investment income.

Working capital was $9.0 million at March 31, 2010 compared to $16.0 million at December 31, 2009. Available cash, cash equivalents and short-term investments totaled $39.1 million as of March 31, 2010 compared to $53.2 million as of December 31, 2009. We primarily invest our cash in certificates of deposit and United States government and investment grade corporate debt securities.

On July 19, 2007, we purchased $5.0 million of commercial paper issued by Golden Key Ltd. The investment was highly-rated and within our investment policy at the time of purchase, but during the third quarter of 2007, large credit rating agencies downgraded the quality of this security. In addition, as a result of not meeting certain liquidity covenants, the assets were assigned to a trustee who established a committee of the largest senior credit holders to determine the next steps. Subsequently, Golden Key defaulted on its obligation to settle the security on the stated maturity date of October 10, 2007. Based on available information, we currently estimate that we will be able to recover approximately $2.5 million on this security. Further, liquidity in the capital markets has continued to be volatile. Accordingly, we may be exposed to additional impairment for this investment until it is fully recovered.

In August 2009, we entered into a lease termination agreement for our corporate facility in San Diego. Under the terms of the agreement, we will pay a termination fee of $14.3 million as follows: $4.5 million was paid upon signing, $4.5 million in July 2010 and $5.3 million in April 2011. In addition, we entered into a new lease for a period of 27 months commencing October 2009, for premises consisting of office and lab space located in San Diego to serve as our new corporate headquarters.

In December 2009, the Internal Revenue Service, or IRS, issued to us a Notice of Proposed Adjustment, or NOPA, seeking an increase to our taxable income for the 2007 fiscal year of $71.5 million and a $4.1 million penalty for substantial underpayment of tax in fiscal 2007. We responded to the NOPA in February 2010, disagreeing with the conclusions reached by the IRS in the NOPA. We have recorded a FIN 48 liability of $25.1 million related to the income tax effect of the NOPA and $3.3 million related to estimated interest due on the

proposed underpayment of tax. We also recorded deferred income tax assets of $25.1 million associated with the ability to carry back losses from 2008 and 2009 to offset the NOPA. In addition, we recorded an income tax receivable of $4.5 million associated with changes in income tax law in relation to prior AMT taxes paid on carry back periods. We have not recorded the penalties proposed by the IRS in our financial statements as we believe that we met the appropriate standard for the tax position on our 2007 tax return. If we are unsuccessful in our negotiations with the IRS, we may be required to pay the $4.1 million penalty and utilize a significant amount of our net operating loss carryforwards.

Our future operating and capital requirements will depend on many factors, including, but not limited to: the pace of scientific progress in our research and development programs; the magnitude of these programs; the scope and results of preclinical testing and clinical trials; the time and costs involved in obtaining regulatory approvals; the costs involved in preparing, filing, prosecuting, maintaining and enforcing patent claims; competing technological and market developments; the amount of royalties on sales of AVINZA and PROMACTA; the efforts of our collaborative partners; obligations under our operating lease agreements and lease termination agreement; and the capital requirements of any companies we may acquire, including Neurogen and Metabasis.

Operating Activities

Operating activities used cash of $15.9 million for the three months ended March 31, 2010, compared to $24.1 million for the same period in 2009.

The use of cash for the three months ended March 31, 2010 reflects a net loss of $2.8 million, adjusted by $0.2 million of gain from discontinued operations and $0.3 million of non-cash items to reconcile the net income to net cash used in operations. These reconciling items primarily reflect the change in estimated fair value of contingent value rights of $0.6 million, accretion of deferred gain on the sale leaseback of the building of $0.4 million and realized gain on investment of $0.7 million, partially offset by depreciation of assets of $0.7 million and the recognition of $0.6 million of stock-based compensation expense. The use of cash during the three months ended March 31, 2010 is further impacted by changes in operating assets and liabilities due primarily to decreases in accounts payable and accrued liabilities of $9.8 million, an increase in other long term assets of $0.5 million, a decrease in other liabilities of $1.3 million and a decrease in deferred revenue of $1.6 million, partially offset by a decrease in accounts receivable, net of $0.3 million. Net cash provided by operating activities of discontinued operations was $0.3 million for the three months ended March 31, 2010.

The use of cash for the three months ended March 31, 2009 reflects a net loss of $5.1 million, adjusted by $2.4 million of gain from discontinued operations and $1.7 million of non-cash items to reconcile the net loss to net cash used in operations. These reconciling items primarily reflect the recognition of $0.8 million of stock-based compensation expense, depreciation of assets of $0.8 million, realized loss on investment of $0.1 million, non-cash lease costs of $0.3 million and the amortization of acquired intangible assets of $0.2 million, partially offset by the accretion of deferred gain on the sale leaseback of the building of $0.5 million. The use of cash during the three months ended March 31, 2009 is further impacted by changes in operating assets and liabilities due primarily to decreases in accounts payable and accrued liabilities of $3.9 million, a decrease in accrued litigation settlement costs of $8.5 million, an increase in accounts receivable, net of $2.7 million and a decrease in deferred revenue of $2.2 million partially offset by a decrease in other current assets of $0.8 million. Net cash used in operating activities of discontinued operations was $1.3 million for the three months ended March 31, 2009.

Investing Activities

Investing activities provided cash of $3.9 million for the three months ended March 31, 2010, compared to $3.9 million of cash used for the same 2009 period.

Cash provided by investing activities during the three months ended March 31, 2010 primarily reflects the net proceeds from the sale of short-term investments of $2.9 million and the proceeds from the sale of property, equipment and buildings of $3.3 million, partially offset by $2.8 million paid for the acquisition of Metabasis. None of the cash provided by investing activities for the three months ended March 31, 2010 related to discontinued operations.

Cash provided by investing activities during the three months ended March 31, 2009 primarily reflects the net

proceeds from the sale of short-term investments of $4.1 million partially offset by purchases of property and equipment of $0.2 million. None of the cash provided by investing activities for the three months ended March 31, 2009 related to discontinued operations.

Financing Activities

Financing activities provided cash of $8,000 for the three months ended March 31, 2010, compared to $3.6 million of cash used in financing activities for the same 2009 period.

Cash provided by financing activities for the three months ended March 31, 2010 primarily reflects $18,000 of proceeds from the issuance of common stock upon the exercise of stock options, partially offset by payments under equipment financing obligations of $10,000.

Cash used by financing activities for the three months ended March 31, 2009 primarily reflects payments under equipment financing obligations of $0.2 million and the repayment of debt of $3.4 million related to an equipment line of credit acquired from Pharmacopeia that was paid off in February 2009.

None of the cash used in financing activities for the three months ended March 31, 2010 and 2009 relates to discontinued operations.

Other

As part of certain of our strategic alliances with our research partners, we have received up-front cash payments and licenses to certain product candidates. In connection with these agreements, we are obligated to perform significant research and development activities over multiple years and as such, expect to incur significant costs performing such activities. The following table provides the period over which these research and development activities are to be provided, as well as the deferred revenue currently recorded for each agreement as of March 31, 2010:

Collaborative Agreement	Expiration of Initial Research Term	Deferred Revenue
BMS Discovery Collaboration Agreement	December 2009	$ 183
Wyeth Agreement	December 2010	981
Trevena Agreement	January 2011	493
GSK Agreement	March 2011	2,666

Certain of our property and equipment is pledged as collateral under various equipment financing arrangements. As of March 31, 2010, $0.1 million was outstanding under such arrangements and classified as current.

In connection with the acquisition of Pharmacopeia on December 23, 2008, Pharmacopeia security holders received a contingent value right that entitles them to an aggregate cash payment of $15.0 million under certain circumstances.

In connection with the acquisition of Neurogen Corporation on December 23, 2009, Neurogen security holders received CVRs under four CVR agreements. The CVRs entitle Neurogen shareholders to cash payments upon the sale or licensing of certain assets and upon the achievement of a specified clinical milestone.

In connection with the acquisition of Metabasis Therapeutics on January 27, 2010, Metabasis security holders received CVRs under four CVR agreements. The CVRs entitle Metabasis shareholders to cash payments upon the sale or licensing of certain assets and upon the achievement of specified milestones.

Leases and Off-Balance Sheet Arrangements

We lease our office and research facilities under agreements accounted for as operating leases with varying terms through August 2016. The agreements provide for increases in annual rents based on changes in the Consumer Price Index or fixed percentage increases ranging from 3% to 7%. Commencing January 2008, we also sublease a portion of our facilities through July 2015. The sublease agreement provides for a 3% increase in annual rents.

Contractual Obligations

As of March 31, 2010, future minimum payments due under our contractual obligations are as follows (in thousands):

	Payments Due by Period				
	Total	Less than 1 year	1-3 years	3-5 years	More than 5 years
Equipment financing obligations (1)	$ 55	$ 55	$ —	$ —	$ —
Operating lease obligations (2)	30,724	5,959	10,577	9,880	4,308
Consulting agreements	194	194	—	—	—
Lease termination payments	9,800	4,500	5,300	—	—
Co-promote termination liability (3)	—	—	—	—	—
Total contractual obligations	$40,773	$ 10,708	$15,877	$9,880	$ 4,308
(1) Includes interest payments as follows:	$ 1	$ 1	$ —	$ —	$ —

(2) We lease an office and research facility under an operating lease arrangement through July 2015. Commencing January 2008, we sublet this facility through July 2015. The sublease agreement provides for a 3% increase in annual rents. As of March 31, 2010, we expect to receive aggregate future minimum lease payments totaling $4.7 million (nondiscounted) over the duration of the sublease agreement as follows: less than one year, $0.8 million; one to three years, $1.8 million; three to five years, $1.9 million; and more than five years, $0.2 million.

(3) Our co-promote termination obligation to Organon was assumed by King pursuant to the AVINZA Purchase Agreement. However, as Organon did not consent to the legal assignment of the obligation to King, we remain liable to Organon in the event of King's default of the obligation. We have excluded payments under the co-promote termination liability from the table as amounts are expected to be reimbursed by King. As of March 31, 2010, the total estimated amount of the obligation is $64.9 million on an undiscounted basis.

As of March 31, 2010, we have net open purchase orders (defined as total open purchase orders at year end less any accruals or invoices charged to or amounts paid against such purchase orders) totaling approximately $4.8 million. We plan to spend approximately $0.2 million on capital expenditures during the remainder of 2010. In addition, under the terms of our merger with Metabasis, we are committed to spend at least $8 million in new research and development funding on the Metabasis programs within 42 months following the closing of the transaction.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

At March 31, 2010, our investment portfolio included fixed-income securities of $35.0 million. These securities are subject to interest rate risk and will decline in value if interest rates increase. However, due to the short duration of our investment portfolio, an immediate 10% change in interest rates is not expected to have a material impact on our financial condition, results of operations or cash flows. At March 31, 2010, we also have certain equipment financing arrangements with variable rates of interest. Due to the relative insignificance of such arrangements, however, an immediate 10% change in interest rates would have no material impact on our financial condition, results of operations, or cash flows. Declines in interest rates over time will, however, reduce our interest income, while increases in interest rates over time will increase our interest expense.

We do not have a significant level of transactions denominated in currencies other than U.S. dollars and as a result we have limited foreign currency exchange rate risk. The effect of an immediate 10% change in foreign exchange rates would have no material impact on our financial condition, results of operations or cash flows.

ITEM 4. CONTROLS AND PROCEDURES

Under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we conducted an evaluation of the effectiveness of the design and operation 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, as of the end of the period covered by this report, which we refer to as the Evaluation Date. Based on this evaluation, our principal executive officer and principal financial officer concluded as of the Evaluation Date that our disclosure controls and procedures were effective such that the information relating to us, including our consolidated subsidiaries, required to be disclosed in our SEC reports (i) is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms, and (ii) is accumulated and communicated to our management, including our principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

Under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we conducted an evaluation of any changes in our internal control over financial reporting (as such term is defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during our most recently completed fiscal quarter. Based on that evaluation, our principal executive officer and principal financial officer concluded that there has not been any change in our internal control over financial reporting during that quarter 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

We and Seragen, Inc., our subsidiary, were named parties to *Sergio M. Oliver, et al. v. Boston University, et al.*, a shareholder class action filed on December 17, 1998 in the Court of Chancery in the State of Delaware. We and Seragen were dismissed from the action, but such dismissal is subject to appeal and we and Seragen may have possible indemnification obligations with respect to certain defendants. On December 21, 2009, the remaining parties entered into a Stipulation and Agreement of Compromise, Settlement and Release, which the Court approved on March 15, 2010.

In December 2009, the Internal Revenue Service, or IRS, issued to us a Notice of Proposed Adjustment, or NOPA, seeking an increase to our taxable income for the 2007 fiscal year of $71.5 million and a $4.1 million penalty for substantial underpayment of tax in fiscal 2007. We responded to the NOPA in February 2010, disagreeing with the conclusions reached by the IRS in the NOPA. We have recorded a FIN 48 liability of $25.1 million related to the income tax effect of the NOPA and $3.3 million related to estimated interest due on the proposed underpayment of tax. We also recorded deferred income tax assets of $25.1 million associated with the ability to carry back losses from 2008 and 2009 to offset the NOPA. In addition, we recorded an income tax receivable of $4.5 million associated with changes in income tax law in relation to prior AMT taxes paid on carry back periods. We have not recorded the penalties proposed by the IRS in our financial statements as we believe that we met the appropriate standard for the tax position on our 2007 tax return. If we are unsuccessful in our negotiations with the IRS, we may be required to pay the $4.1 million penalty and utilize a significant amount of our net operating loss carryforwards.

In addition, from time to time we are subject to various lawsuits and claims with respect to matters arising out of the normal course of our business. Due to the uncertainty of the ultimate outcome of these matters, the impact on future financial results is not subject to reasonable estimates.

ITEM 1A. RISK FACTORS

The following is a summary description of some of the many risks we face in our business including any risk factors as to which there may have been a material change from those set forth in our Annual Report on Form 10-K for the year ended December 31, 2009. You should carefully review these risks in evaluating our business, including the businesses of our subsidiaries. You should also consider the other information described in this report.

We have marked with an asterisk (*) those risk factors that reflect substantive changes from the risk factors included in our previously filed Annual Report on Form 10-K for the year ended December 31, 2009.

Risks Related To Us and Our Business.

Royalties based on sales of AVINZA and PROMACTA represent a substantial portion of our revenues.*

King Pharmaceuticals, or King, is obligated to pay us royalties based on its sales of AVINZA and GlaxoSmithKline, or GSK, is obligated to pay us royalties on its sales of PROMACTA. These royalties represented 33% and 29% of total revenues for the three months ended March 31, 2010 and 2009, respectively, and will continue to be a substantial portion of our ongoing revenues for some time. We also receive milestones and collaborative revenue from our partners in various collaborations, but the amount of such revenue is unknown and highly uncertain. As a result, any setback that may occur with respect to AVINZA or PROMACTA could significantly impair our operating results and/or reduce the market price of our stock, as could any reduction in our expected milestone and collaborative revenue. Setbacks for AVINZA and PROMACTA could include problems with shipping, distribution, manufacturing, product safety, marketing, government licenses and approvals, intellectual property rights, competition with existing or new products and physician or patient acceptance of the products, as well as higher than expected total rebates, returns or discounts.

King and GSK's sales efforts for AVINZA and PROMACTA, respectively, could be affected by a number of factors and decisions regarding their organizations, operations, and activities as well as events both related and unrelated to AVINZA or PROMACTA, including sales force reorganizations and lower than expected sales calls and prescription volumes. AVINZA and PROMACTA could also face stiffer competition from existing or future products. The negative impact on the sales of AVINZA or PROMACTA will negatively affect our royalties, revenues and earnings.

Sales of AVINZA and PROMACTA may also be negatively impacted by higher than expected discounts (especially pharmacy benefit management/group purchasing organization rebates and Medicaid rebates, which can be substantial), returns and chargebacks and/or slower than expected market penetration. Other setbacks that AVINZA could face in the sustained-release opioid market include abuse issues and the inability to obtain sufficient quotas of morphine from the Drug Enforcement Agency to support production requirements.

AVINZA or PROMACTA could also face regulatory action and product safety issues. For example, the FDA previously requested expanded warnings on the AVINZA label to alert doctors and patients to the dangers of using AVINZA with alcohol. Changes were subsequently made to the label. The FDA also requested clinical studies to investigate the risks associated with taking AVINZA with alcohol. Any additional warnings, studies and any further regulatory action could have significant adverse effects on AVINZA sales.

On September 10, 2007, King reported that Actavis, a manufacturer of generic pharmaceutical products headquartered in Iceland, had filed with the FDA an Abbreviated New Drug Application, or ANDA, with a Paragraph IV Certification pertaining to AVINZA, the rights to which were acquired by King from us in February 2007. According to the report, Actavis's Paragraph IV Certification sets forth allegations that U.S. Patent No. 6,066,339, or the 339 patent, which pertains to AVINZA, and which is listed in the FDA's Approved Drug Products With Therapeutic Equivalence Evaluations, will not be infringed by Actavis's manufacture, use, or sale of the product for which the ANDA was submitted. The expiration date for this patent is November 2017. King, King Pharmaceuticals Research and Development, Inc., Elan Corporation, plc and Elan Pharma International Ltd. jointly filed suit in federal district court in New Jersey on October 18, 2007 against Actavis, Inc. and Actavis Elizabeth LLC for patent infringement under the 339 patent. The lawsuit seeks a judgment that would, among other things, prevent Actavis from commercializing its proposed morphine product until after expiration of the 339 patent.

On July 21, 2009, King, King Pharmaceuticals Research and Development, Inc., Elan Corporation, plc and Elan Pharma International Ltd. jointly filed suit in federal district court in New Jersey against Sandoz Inc., or Sandoz, for patent infringement under the 339 patent. According to the complaint, Sandoz filed an ANDA for morphine sulfate extended release capsules and, in connection with the ANDA filing, Sandoz provided written certification to the FDA alleging that the claims of the 339 patent are invalid, unenforceable and/or will not be infringed by the manufacture, use or sale of Sandoz's proposed morphine product. Similar to the lawsuit against Actavis, this lawsuit seeks a judgment that would, among other things, prevent Sandoz from commercializing its proposed morphine product until after expiration of the 339 patent.

AVINZA was licensed from Elan Corporation, or Elan, which is its sole manufacturer. Any problems with Elan's manufacturing operations or capacity could reduce sales of AVINZA, as could any licensing or other contract disputes with Elan, raw materials suppliers, or others.

Further, pursuant to the agreement with King, we may no longer receive AVINZA royalties on a quarterly basis, but will collect royalties on an annual basis, which may adversely impact our cash flows.

Our product candidates face significant development and regulatory hurdles prior to marketing which could delay or prevent sales and/or milestone revenue.

Before we obtain the approvals necessary to sell any of our potential products, we must show through preclinical studies and human testing that each product is safe and effective. We and our partners have a number of products moving toward or currently awaiting regulatory action, including bazedoxifene and lasofoxifene. Failure to show any product's safety and effectiveness could delay or prevent regulatory approval of a product and could adversely affect our business. The clinical trials process is complex and uncertain. For example, the results of preclinical studies and initial clinical trials may not necessarily predict the results from later large-scale clinical trials. In addition, clinical trials may not demonstrate a product's safety and effectiveness to the satisfaction of the regulatory authorities. Recently, a number of companies have suffered significant setbacks in advanced clinical trials or in seeking regulatory approvals, despite promising results in earlier trials. The FDA may also require additional clinical trials after regulatory approvals are received. Such additional trials may be expensive and time-consuming, and failure to successfully conduct those trials could jeopardize continued commercialization of a product.

The rate at which we complete our clinical trials depends on many factors, including, but are not limited to, our ability to obtain adequate supplies of the products to be tested and patient enrollment. Patient enrollment is a function of many factors, including the size of the patient population, the proximity of patients to clinical sites and the eligibility criteria for the trial. Delays in patient enrollment for our trials may result in increased costs and longer development times. For example, the trial entitled "Eltrombopag To Reduce The Need For Platelet Transfusion In Subjects With Chronic Liver Disease And Thrombocytopenia Undergoing Elective Invasive Procedures (ELEVATE)" was suspended in October 2009 in accordance with an IDMC Recommendation. GSK terminated the ELEVATE study and the program is under review. In addition, our collaborative partners have rights to control product development and clinical programs for products developed under the collaborations. As a result, these collaborative partners may conduct these programs more slowly or in a different manner than expected. Moreover, even if clinical trials are completed, we or our collaborative partners still may not apply for FDA approval in a timely manner or the FDA still may not grant approval.

We rely heavily on collaborative relationships, and any disputes or litigation with our collaborative partners or termination or breach of any of the related agreements could reduce the financial resources available to us, including milestone payments and future royalty revenues.

Our strategy for developing and commercializing many of our potential products, including products aimed at larger markets, includes entering into collaborations with corporate partners and others. These collaborations have provided us with funding and research and development resources for potential products for the treatment of a variety of diseases. These agreements also give our collaborative partners significant discretion when deciding whether or not to pursue any development program. Our existing collaborations may not continue or be successful, and we may be unable to enter into future collaborative arrangements to develop and commercialize our product candidates.

In addition, our collaborators may develop drugs, either alone or with others that compete with the types of drugs they are developing with us. This would result in increased competition for our programs. If products are approved for marketing under our collaborative programs, revenues we receive will depend on the manufacturing, marketing and sales efforts of our collaborative partners, who generally retain commercialization rights under the collaborative agreements. Generally, our current collaborative partners also have the right to terminate their collaborations under specified circumstances. If any of our collaborative partners breach or terminate their agreements with us or otherwise fail to conduct their collaborative activities successfully, our product development under these agreements will be delayed or terminated. Disputes or litigation may also arise with our collaborators, including disputes or litigation over ownership rights to intellectual property, know-how or technologies developed with our collaborators. Such disputes or litigation could adversely affect our rights to one or more of our product candidates. Any such dispute or litigation could delay, interrupt or terminate the collaborative research, development and commercialization of certain potential products, create uncertainty as to ownership rights of intellectual property, or could result in litigation or arbitration. The occurrence of any of these problems could be time-consuming and expensive and could adversely affect our business.

If we consume cash more quickly than expected, and if we are unable to raise additional capital, we may be forced to curtail operations.

Our operations have consumed substantial amounts of cash since inception. Clinical and preclinical development of drug candidates is a long, expensive and uncertain process. Also, we may acquire companies, businesses or products and the consummation of such acquisitions may consume additional cash. For example, as part of the consideration for our recent acquisition of Pharmacopeia, we distributed approximately $9.3 million in cash to Pharmacopeia stockholders. Security-holders of Pharmacopeia also received contingent value rights under which we could be required to make an aggregate cash payment of $15.0 million to such security-holders under certain circumstances. Security holders of Neurogen and Metabasis also received contingent value rights under which we could be required to make unspecified payments under certain circumstances.

In December 2009, the Internal Revenue Service, or IRS, issued to us a Notice of Proposed Adjustment, or NOPA, seeking an increase to our taxable income for the 2007 fiscal year of $71.5 million and a $4.1 million penalty for substantial underpayment of tax in fiscal 2007. We responded to the NOPA in February 2010, disagreeing with the conclusions reached by the IRS in the NOPA. We recorded a FIN 48 liability of $25.1 million related to the income tax effect of the NOPA and $3.3 million related to estimated interest due on the proposed underpayment of tax. We also recorded deferred income tax assets of $25.1 million associated with the ability to carry back losses from 2008 and 2009 to offset the NOPA. In addition, we recorded an income tax receivable of $4.5 million associated with changes in income tax law in relation to prior AMT taxes paid on carry back periods. We have not recorded the penalties proposed by the IRS in our financial statements as we believe that we met the appropriate standard for the tax position on our 2007 tax return. If we are unsuccessful in our negotiations with the IRS, we may be required to pay the $4.1 million penalty and utilize a significant amount of our net operating loss carryforwards.

We believe that our capital resources, including our currently available cash, cash equivalents, and short-term investments as well as our current and future royalty revenues, will be adequate to fund our operations at their current levels at least for the next twelve months. However, changes may occur that would cause us to consume available capital resources before that time. Examples of relevant potential changes that could impact our capital resources include:

- the costs associated with our drug research and development activities, and additional costs we may incur if our development programs are delayed or are more expensive to implement than we currently anticipate;
- changes in existing collaborative relationships, including the funding we receive in connection with those relationships;
- the progress of our milestone and royalty producing activities;

- our ability to reach a favorable resolution with the IRS with respect to their audit of our fiscal 2007 federal tax return, or to other potential tax assessments;
- acquisitions of other businesses or technologies;
- the termination of our lease agreements;
- the purchase of additional capital equipment;
- cash payments or refunds we may be required to make pursuant to certain agreements with third parties;
- competing technological and market developments; and
- the cost of filing, prosecuting, defending and enforcing patent claims and other intellectual property rights, and the outcome of related litigation.

Additional capital may not be available on favorable terms, or at all. If additional capital is not available, we may be required to curtail operations significantly or to obtain funds by entering into arrangements with partners or other third parties that may require us to relinquish rights to certain of our technologies, products or potential markets that we would not otherwise relinquish.

If, as the result of a merger, or otherwise, our collaborative partners were to change their strategy or the focus of their development and commercialization efforts with respect to our alliance products, the success of our alliance products could be adversely affected.

Our collaborative partners may change the focus of their development and commercialization efforts as the result of a merger. Pharmaceutical and biotechnology companies have historically re-evaluated their priorities from time to time, including following mergers and consolidations which are common in these industries, and two of our collaborative partners have recently entered into merger agreements. In October 2009, Wyeth, a collaborative partner of ours, and Pfizer announced that Pfizer had completed its acquisition of Wyeth in a cash and stock transaction. Furthermore, in November 2009, Schering-Plough Corporation, another of our collaborative partners, and Merck & Co., Inc., or Merck, announced that Merck and Schering-Plough had combined, under the name Merck, in a stock and cash transaction. As a result of the consummation of these mergers, our collaborative partners may develop and commercialize, either alone or with others, products and services that are similar to or competitive with our alliance products. Furthermore, the ability of our alliance products to reach their potential could be limited if our collaborative partners reduce or fail to increase spending related to such products as a result of these mergers.

If our collaborative partners terminate their collaborations with us or do not commit sufficient resources to the development, manufacture, marketing or distribution of our alliance products, we could be required to devote additional resources to our alliance products, seek new collaborative partners or abandon such alliance products, all of which could have an adverse effect on our business.

We may not be successful in entering into additional out-license agreements on favorable terms, which may adversely affect our liquidity or require us to alter development plans on our products.

We have entered into several out-licensing agreements for the development and commercialization of our products. Although we expend considerable resources on internal research and development for our proprietary programs, we may not be successful in entering into additional out-licensing agreements under favorable terms due to several factors including:

- the difficulty in creating valuable product candidates that target large market opportunities;
- research and spending priorities of potential licensing partners;
- willingness of and the resources available to pharmaceutical and biotechnology companies to in-license product candidates for their clinical pipelines; or
- differences of opinion with potential partners on the valuation of products we are seeking to out-license.

The inability to enter into out-licensing agreements under favorable terms and to earn milestone payments, license fees and/or upfront fees may adversely affect our liquidity and may force us to curtail or delay development of some or all of our proprietary programs, which in turn may harm our business and the value of our stock.

Third party intellectual property may prevent us or our partners from developing our potential products and we may owe a portion of any payments we receive from our collaborative partners to one or more third parties.*

Our success will depend on our ability and the ability of our collaborative partners to avoid infringing the proprietary rights of others, both in the United States and in foreign countries. In addition, disputes with licensors under our license agreements may arise which could result in additional financial liability or loss of important technology and potential products and related revenue, if any. Further, the manufacture, use or sale of our potential products or our collaborative partners' products or potential products may infringe the patent rights of others. This could impact AVINZA, PROMACTA, bazedoxifene, lasofoxifene, LGD-4665, and any other products or potential products.

Several drug companies and research and academic institutions have developed technologies, filed patent applications or received patents for technologies that may be related to our business. Others have filed patent applications and received patents that conflict with patents or patent applications we have licensed for our use, either by claiming the same methods or compounds or by claiming methods or compounds that could dominate those licensed to us. In addition, we may not be aware of all patents or patent applications that may impact our ability to make, use or sell any of our potential products. For example, US patent applications may be kept confidential while pending in the United States Patent and Trademark Office and patent applications filed in foreign countries are often first published six months or more after filing.

Disagreements or litigation with our collaborative partners could delay our ability and the ability of our collaborative partners to achieve milestones or our receipt of other payments. In addition, other possible disagreements or litigation could delay, interrupt or terminate the research, development and commercialization of certain potential products being developed by either our collaborative partners or by us. The occurrence of any of the foregoing problems could be time-consuming and expensive and could adversely affect our business.

Third parties have not directly threatened an action or claim against us, although we do periodically receive other communications or have other conversations with the owners of other patents or other intellectual property. If others obtain patents with conflicting claims, we may be required to obtain licenses to those patents or to develop or obtain alternative technology. We may not be able to obtain any such licenses on acceptable terms, or at all. Any failure to obtain such licenses could delay or prevent us from pursuing the development or commercialization of our potential products.

In general, litigation claims can be expensive and time consuming to bring or defend against and could result in settlements or damages that could significantly impact our results of operations and financial condition. We cannot predict or determine the outcome of these matters or reasonably estimate the amount or range of amounts of any fines or penalties that might result from a settlement or an adverse outcome. However, a settlement or an adverse outcome could have a material adverse effect on our financial position, liquidity and results of operations.

Challenges to or failure to secure patents and other proprietary rights may significantly hurt our business.

Our success will depend on our ability and the ability of our licensors to obtain and maintain patents and proprietary rights for our potential products both in the United States and in foreign countries. Patents may not be issued from any of these applications currently on file, or, if issued, may not provide sufficient protection. Our patent position, like that of many biotechnology and pharmaceutical companies, is uncertain and involves complex legal and technical questions for which important legal principles are unresolved. We may not develop or obtain rights to products or processes that are patentable. Even if we do obtain patents, such patents may not adequately protect the technology we own or have licensed. In addition, others may challenge, seek to invalidate, infringe or circumvent any patents we own or license and rights we receive under those patents may not provide competitive advantages to us.

Any conflicts resulting from the patent rights of others could significantly reduce the coverage of our patents and limit our ability to obtain meaningful patent protection. We have had and will continue to have discussions with our current and potential collaborative partners regarding the scope and validity of our patents and other proprietary rights. If a collaborative partner or other party successfully establishes that our patent rights are invalid, we may not be able to continue our existing collaborations beyond their expiration. Any determination that our patent rights are invalid also could encourage our collaborative partners to seek early termination of our agreements. Such invalidation could adversely affect our ability to enter into new collaborations.

We may also need to initiate litigation, which could be time-consuming and expensive, to enforce our proprietary rights or to determine the scope and validity of others' rights. If litigation occurs, a court may find our patents or those of our licensors invalid or may find that we have infringed on a competitor's rights. In addition, if any of our competitors have filed patent applications in the United States which claim technology we also have invented, the United States Patent and Trademark Office may require us to participate in expensive interference proceedings to determine who has the right to a patent for the technology.

We also rely on unpatented trade secrets and know-how to protect and maintain our competitive position. We require our employees, consultants, collaborative partners and others to sign confidentiality agreements when they begin their relationship with us. These agreements may be breached, and we may not have adequate remedies for any breach. In addition, our competitors may independently discover our trade secrets.

Our product development involves a number of uncertainties, and we may never generate sufficient collaborative payments and royalties from the development of products to become profitable.

We were founded in 1987. We have incurred significant losses since our inception. As of March 31, 2010, our accumulated deficit was $684.3 million.

Most of our products in development will require extensive additional development, including preclinical testing and human studies, as well as regulatory approvals, before they can be marketed. We cannot predict if or when any of the products we are developing or those being developed with our partners will be approved for marketing. There are many reasons why we or our collaborative partners may fail in our efforts to develop our potential products, including the possibility that: preclinical testing or human studies may show that our potential products are ineffective or cause harmful side effects; the products may fail to receive necessary regulatory approvals from the FDA or foreign authorities in a timely manner, or at all; the products, if approved, may not be produced in commercial quantities or at reasonable costs; the products, if approved, may not achieve commercial acceptance; regulatory or governmental authorities may apply restrictions to our products, which could adversely affect their commercial success; or the proprietary rights of other parties may prevent us or our partners from marketing the products.

Any product development failures for these or other reasons, whether with our products or our partners' products, may reduce our expected revenues, profits, and stock price.

We may not be able to hire and/or retain key employees.

If we are unable to hire and/or retain key employees, we may not have sufficient resources to successfully manage our assets or our business, and we may not be able to perform our obligations under various contracts and commitments. Furthermore, there can be no assurance that we will be able to retain all of our key management and scientific personnel. If we fail to retain such key employees, we may not realize the anticipated benefits of our mergers. Either of these could have substantial negative impacts on our business and our stock price.

We will have continuing obligations to indemnify the buyers of our commercial product lines, and may be subject to other liabilities related to the sale of our commercial product lines.

We agreed to indemnify Eisai and King under certain circumstances pursuant to the asset purchase agreements we entered into with Eisai and King in connection with the sale of our commercial product lines. Some of our indemnification obligations still remain and our potential liability in certain circumstances is not limited to specific

dollar amounts. We cannot predict the liabilities that may arise as a result of these matters. Any claims related to our indemnification obligations to King or Eisai could materially and adversely affect our financial condition.

In addition, King assumed our obligation to make payments to Organon based on net sales of AVINZA (the fair value of which was $38.8 million as of March 31, 2010). We remain liable to Organon in the event King defaults on this obligation. Any requirement to pay a material amount to Organon, could adversely affect our business and the price of our securities.

The sale of our commercial product lines does not relieve us of exposure to product liability risks on products we sold prior to divesting these product lines. A successful product liability claim or series of claims brought against us may not be insured and could result in payment of significant amounts of money and divert management's attention from running our business.

If our partners do not reach the market with our alliance products before our competitors offer products for the same or similar uses, or if our partners are not effective in marketing our alliance products, our revenues from product sales, if any, will be reduced.

We face intense competition in our development activities. Our competitors might succeed in obtaining regulatory approval for competitive products more rapidly than our partners can for our products. In addition, competitors might develop technologies and products that are less expensive and perceived to be safer or more effective than those being developed by us or our partners, which could impair our product development and render our technology obsolete.

We use hazardous materials, which may expose us to significant liability.

In connection with our research and development activities, we handle hazardous materials, chemicals and various radioactive compounds. To properly dispose of these hazardous materials in compliance with environmental regulations, we are required to contract with third parties. We believe that we carry reasonably adequate insurance for toxic tort claims. However, we cannot eliminate the risk or predict the exposure of accidental contamination or injury from the handling and disposing of hazardous materials, whether by us or our third-party contractors. Any accident in the handling and disposing of hazardous materials may expose us to significant liability.

Our shareholder rights plan and charter documents may hinder or prevent change of control transactions.

Our shareholder rights plan and provisions contained in our certificate of incorporation and bylaws may discourage transactions involving an actual or potential change in our ownership. In addition, our Board of Directors may issue shares of preferred stock without any further action by the stockholders. Such restrictions and issuances may have the effect of delaying or preventing a change in our ownership. If changes in our ownership are discouraged, delayed or prevented, it would be more difficult for our current Board of Directors to be removed and replaced, even if you or our other stockholders believe that such actions are in the best interests of us and our stockholders.

We may lose some or all of the value of some of our short-term investments.

We engage one or more third parties to manage some of our cash consistent with an investment policy that allows a range of investments and maturities. The investments are intended to maintain safety of principal while providing liquidity adequate to meet projected cash requirements. Risks of principal loss are to be minimized through diversified short and medium term investments of high quality, but the investments are not in every case guaranteed or fully insured. As a result of changes in the credit market, one of our short-term investments in commercial paper is in default. We intend to pursue collection efforts, but we might not recoup some or all of our investment in the commercial paper. In addition, from time to time we may suffer other losses on our short-term investment portfolio.

We may require additional money to run our business and may be required to raise this money on terms which are not favorable to us or which reduce our stock price.

We may need to complete additional equity or debt financings to fund our operations. Our inability to obtain additional financing could adversely affect our business. Financings may not be available at all or on terms favorable to us. In addition, these financings, if completed, may not meet our capital needs and could result in substantial dilution to our stockholders.

If adequate funds are not available, we may be required to delay, reduce the scope of or eliminate one or more of our research or drug development programs. We may also be required to liquidate our business or file for bankruptcy protection. Alternatively, we may be forced to attempt to continue development by entering into arrangements with collaborative partners or others that require us to relinquish some or all of our rights to technologies or drug candidates that we would not otherwise relinquish.

Our drug development programs will require substantial additional future funding which could hurt our operational and financial condition.

Our drug development programs require substantial additional capital to successfully complete them, arising from costs to: conduct research, preclinical testing and human studies; establish pilot scale and commercial scale manufacturing processes and facilities; and establish and develop quality control, regulatory, marketing, sales and administrative capabilities to support these programs.

Our future operating and capital needs will depend on many factors, including: the pace of scientific progress in our research and development programs and the magnitude of these programs; the scope and results of preclinical testing and human studies; the time and costs involved in obtaining regulatory approvals; the time and costs involved in preparing, filing, prosecuting, maintaining and enforcing patent claims; competing technological and market developments; our ability to establish additional collaborations; changes in our existing collaborations; the cost of manufacturing scale-up; and the effectiveness of our commercialization activities.

We expect our research and development expenditures over the next three years to continue to be significant. However, we base our outlook regarding the need for funds on many uncertain variables. Such uncertainties include regulatory approvals, the timing of events outside our direct control such as product launches by partners and the success of such product launches, negotiations with potential strategic partners, possible sale of assets or other transactions and other factors. Any of these uncertain events can significantly change our cash requirements.

While we expect to fund our research and development activities from cash generated from AVINZA and PROMACTA royalties and royalties and milestones from our partners in various past and future collaborations to the extent possible, if we are unable to do so, we may need to complete additional equity or debt financings or seek other external means of financing. These financings could depress our stock price. If additional funds are required to support our operations and we are unable to obtain them on terms favorable to us, we may be required to cease or reduce further development or commercialization of our products, to sell some or all of our technology or assets or to merge with another entity.

Significant returns of products we sold prior to selling our commercial businesses could harm our operating results.

Under our agreements to sell our commercial businesses, we remain financially responsible for returns of our products sold before those businesses were transferred to their respective buyers. Consequently, if returns of those products are higher than expected, we could incur substantial expenses for processing and issuing refunds for those returns which, in turn, could negatively impact our financial results. The amount of returns could be affected by a number of factors including, but not limited to, ongoing product demand, product rotation at distributors and wholesalers, and product stability issues.

Our results of operations and liquidity needs could be materially negatively affected by market fluctuations and economic downturn.

Our results of operations could be materially negatively affected by economic conditions generally, both in the U.S. and elsewhere around the world. Continuing concerns over inflation, energy costs, geopolitical issues, the

availability and cost of credit, the U.S. mortgage market and a declining residential real estate market in the U.S. have contributed to increased volatility and diminished expectations for the economy and the markets going forward. These factors, combined with volatile oil prices, declining business and consumer confidence and increased unemployment, have precipitated an economic recession and fears of a possible depression. Domestic and international equity markets continue to experience heightened volatility and turmoil. These events and the continuing market upheavals may have an adverse effect on us. In the event of a continuing market downturn, our results of operations could be adversely affected by those factors in many ways, including making it more difficult for us to raise funds if necessary, and our stock price may further decline.

Our investment securities consist primarily of money market funds, corporate debt obligations and U.S. government agency securities. We do not have any auction rate securities. Recently, there has been concern in the credit markets regarding the value of a variety of mortgage-backed securities and the resultant effects on various securities markets. We cannot provide assurance that our investments are not subject to adverse changes in market value. If our investments experience adverse changes in market value, we may have less capital to fund our operations.

We may be unable to successfully integrate the businesses of Neurogen, Metabasis and/or Pharmacopeia and realize the anticipated benefits of the mergers.

In December 2008, we completed our merger with Pharmacopeia. In December 2009, we completed our merger with Neurogen and in January 2010, we completed our merger with Metabasis. The success of these mergers will depend, in part, on our ability to realize the anticipated synergies, growth opportunities and cost savings from integrating Pharmacopeia's, Neurogen's and/or Metabasis' business with our business. Our success in realizing these benefits and the timing of this realization depend upon the successful integration of the operations of Pharmacopeia, Neurogen and/or Metabasis. The integration of independent companies is a complex, costly and time-consuming process. It is possible that the integration processes could result in the loss of key employees, diversion of each company's management's attention, the disruption or interruption of, or the loss of momentum in, each company's ongoing business or inconsistencies in standards, controls, procedures and policies, any of which could adversely affect either company's ability to maintain relationships with licensors, collaborators, partners, suppliers and employees or our ability to achieve the anticipated benefits of the merger, or could reduce our earnings or otherwise adversely affect the business and financial results of the combined company and, as a result, adversely affect the market price of our common stock.

We expect to incur significant costs and commit significant management time integrating Pharmacopeia's, Neurogen's and Metabasis' business operations, technology, development programs, products and personnel with those of ours. If we do not successfully integrate the business of Pharmacopeia, Neurogen and Metabasis, the expenditure of these costs will reduce our cash position.

Our stock price has been volatile and could experience a sudden decline in value.

Our common stock has experienced significant price and volume fluctuations and may continue to experience volatility in the future. As a result, you may not be able to sell your shares quickly or at the latest market price if trading in our stock is not active or the volume is low. Many factors may have a significant impact on the market price of our common stock, including, but not limited to, the following factors: results of or delays in our preclinical studies and clinical trials; the success of our collaboration agreements; publicity regarding actual or potential medical results relating to products under development by us or others; announcements of technological innovations or new commercial products by us or others; developments in patent or other proprietary rights by us or others; comments or opinions by securities analysts or major stockholders; future sales of our common stock by existing stockholders; regulatory developments or changes in regulatory guidance; litigation or threats of litigation; economic and other external factors or other disaster or crises; the departure of any of our officers, directors or key employees; period-to-period fluctuations in financial results; and limited daily trading volume.

The Financial Industry Regulatory Authority, or FINRA, (formerly the National Association of Securities Dealers, Inc.) and the Securities and Exchange Commission, or SEC, have adopted certain new rules. If we were unable to continue to comply with the new rules, we could be delisted from trading on the NASDAQ Global Market, or Nasdaq, and thereafter trading in our common stock, if any, would be conducted through the over-the-counter

market or on the Electronic Bulletin Board of FINRA. As a consequence of such delisting, an investor would likely find it more difficult to dispose of, or to obtain quotations as to the price of, our common stock. Delisting of our common stock could also result in lower prices per share of our common stock than would otherwise prevail.

Any future material weaknesses or deficiencies in our internal control over financial reporting could harm stockholder and business confidence on our financial reporting, our ability to obtain financing and other aspects of our business.

While no material weaknesses were identified as of March 31, 2010, we cannot assure you that material weaknesses will not be identified in future periods. The existence of one or more material weakness or significant deficiency could result in errors in our consolidated financial statements. Substantial costs and resources may be required to rectify any internal control deficiencies. If we fail to achieve and maintain the adequacy of our internal controls in accordance with applicable standards, we may be unable to conclude on an ongoing basis that we have effective internal controls over financial reporting. If we cannot produce reliable financial reports, our business and financial condition could be harmed, investors could lose confidence in our reported financial information, or the market price of our stock could decline significantly. In addition, our ability to obtain additional financing to operate and expand our business, or obtain additional financing on favorable terms, could be materially and adversely affected, which, in turn, could materially and adversely affect our business, our financial condition and the market value of our securities. Moreover, our reputation with customers, lenders, investors, securities analysts and others may be adversely affected.

Impairment charges pertaining to goodwill, identifiable intangible assets or other long-lived assets from our mergers could have an adverse impact on our results of operations and the market value of our common stock.*

The total purchase price pertaining to our mergers with Pharmacopeia, Neurogen and Metabasis have been allocated to net tangible assets, identifiable intangible assets, in process research and development and goodwill. To the extent the value of goodwill or identifiable intangible assets or other long-lived assets become impaired, we will be required to incur material charges relating to the impairment. Any impairment charges could have a material adverse impact on our results of operations and the market value of our common stock.

We may undertake strategic acquisitions in the future and any difficulties from integrating such acquisitions could adversely affect our stock price, operating results and results of operations.

We may acquire companies, businesses and products that complement or augment our existing business. We may not be able to integrate any acquired business successfully or operate any acquired business profitably. Integrating any newly acquired business could be expensive and time-consuming. Integration efforts often take a significant amount of time, place a significant strain on managerial, operational and financial resources and could prove to be more difficult or expensive than we predict. The diversion of our management's attention and any delay or difficulties encountered in connection with any future acquisitions we may consummate could result in the disruption of our on-going business or inconsistencies in standards and controls that could negatively affect our ability to maintain third-party relationships. Moreover, we may need to raise additional funds through public or private debt or equity financing, or issue additional shares, to acquire any businesses or products, which may result in dilution for stockholders or the incurrence of indebtedness.

As part of our efforts to acquire companies, business or product candidates or to enter into other significant transactions, we conduct business, legal and financial due diligence with the goal of identifying and evaluating material risks involved in the transaction. Despite our efforts, we ultimately may be unsuccessful in ascertaining or evaluating all such risks and, as a result, might not realize the intended advantages of the transaction. If we fail to realize the expected benefits from acquisitions we may consummate in the future, whether as a result of unidentified risks, integration difficulties, regulatory setbacks and other events, our business, results of operations and financial condition could be adversely affected. If we acquire product candidates, we will also need to make certain assumptions about, among other things, development costs, the likelihood of receiving regulatory approval and the market for such product candidates. Our assumptions may prove to be incorrect, which could cause us to fail to realize the anticipated benefits of these transactions.

In addition, we will likely experience significant charges to earnings in connection with our efforts, if any, to consummate acquisitions. For transactions that are ultimately not consummated, these charges may include fees and

expenses for investment bankers, attorneys, accountants and other advisors in connection with our efforts. Even if our efforts are successful, we may incur, as part of a transaction, substantial charges for closure costs associated with elimination of duplicate operations and facilities and acquired in-process research and development charges. In either case, the incurrence of these charges could adversely affect our results of operations for particular quarterly or annual periods.

Table of Contents

ITEM 6. EXHIBITS

The Index to Exhibits on page 45 is incorporated herein by reference as the list of exhibits required as part of this Quarterly Report.

LIGAND PHARMACEUTICALS INCORPORATED

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.

Date: May 5, 2010

By: /s/ John P. Sharp
John P. Sharp
Vice President , Finance and Chief Financial Officer

INDEX TO EXHIBITS

Exhibit Number	Description
2.1(1)	Agreement and Plan of Merger, by and among the Company, Pharmacopeia, Inc., Margaux Acquisition Corp. and Latour Acquisition, LLC, dated as of September 24, 2008 (Filed as Exhibit 2.1).
2.2(2)	Agreement and Plan of Merger, by and among the Company, Neurogen Corporation and Neon Signal, LLC, dated as of August 23, 2009 (Filed as Exhibit 10.1).
2.3(3)	Amendment to Agreement and Plan of Merger, by and among the Company, Neurogen Corporation, and Neon Signal, LLC, dated September 18, 2009 (Filed as Exhibit 10.1).
2.4(3)	Amendment No. 2 to Agreement and Plan of Merger, by and among the Company, Neurogen Corporation, and Neon Signal, LLC, dated November 2, 2009 (Filed as Exhibit 10.2).
2.5(4)	Amendment No. 3 to Agreement and Plan of Merger, by and among the Company, Neurogen Corporation, and Neon Signal, LLC, dated December 17, 2009 (Filed as Exhibit 10.1).
2.6(5)	Agreement and Plan of Merger, dated as of October 26, 2009, by and among the Company, Metabasis Therapeutics, Inc., and Moonstone Acquisition, Inc (Filed as Exhibit 10.1).
2.7(6)	Amendment to Agreement and Plan of Merger, by and among the Company, Metabasis Therapeutics, Inc., Moonstone Acquisition, Inc., and David F. Hale as Stockholders' Representative, dated November 25, 2009 (Filed as Exhibit 10.1).
3.1(7)	Amended and Restated Certificate of Incorporation of the Company (Filed as Exhibit 3.1).
3.2(7)	Bylaws of the Company, as amended (Filed as Exhibit 3.3).
3.3(8)	Amended Certificate of Designation of Rights, Preferences and Privileges of Series A Participating Preferred Stock of the Company (Filed as Exhibit 3.3).
3.4(9)	Certificate of Amendment of the Amended and Restated Certificate of Incorporation of the Company dated June 14, 2000 (Filed as Exhibit 3.5).
3.5(10)	Certificate of Amendment of the Amended and Restated Certificate of Incorporation of the Company dated September 30, 2004 (Filed as Exhibit 3.6).
3.6(11)	Amendment of the Bylaws of the Company dated November 8, 2005 (Filed as Exhibit 3.1).
3.7(12)	Amendment of Bylaws of the Company dated December 4, 2007 (Filed as Exhibit 3.1).
4.1(13)	Specimen stock certificate for shares of Common Stock of the Company.
4.2(14)	Pledge Agreement dated November 26, 2002, between the Company and J.P. Morgan Trust Company, National Association (Filed as Exhibit 4.5).
4.3(14)	Control Agreement dated November 26, 2002, among the Company, J.P. Morgan Trust Company, National Association and JP Morgan Chase Bank (Filed as Exhibit 4.6).
4.4(15)	2006 Preferred Shares Rights Agreement, by and between the Company and Mellon Investor Services LLC, dated as of October 13, 2006 (Filed as Exhibit 4.1).
10.1(16)	Roche Contingent Value Rights Agreement, by and among the Company, Metabasis Therapeutics, Inc., David F. Hale, as Stockholders' Representative, and Mellon Investor Services LLC as Rights Agent, dated January 27, 2010 (Filed as Exhibit 10.1).
10.2(16)	TR Beta Contingent Value Rights Agreement, by and among the Company, Metabasis Therapeutics, Inc., David F. Hale, as Stockholders' Representative, and Mellon Investor Services LLC as Rights Agent, dated January 27, 2010 (Filed as Exhibit 10.2).
10.3(16)	Glucagon Contingent Value Rights Agreement, by and among the Company, Metabasis

Exhibit Number	Description
	Therapeutics, Inc., David F. Hale, as Stockholders' Representative, and Mellon Investor Services LLC as Rights Agent, dated January 27, 2010 (Filed as Exhibit 10.3).
10.4(16)	General Contingent Value Rights Agreement, by and among the Company, Metabasis Therapeutics, Inc., David F. Hale, as Stockholders' Representative, and Mellon Investor Services LLC as Rights Agent, dated January 27, 2010 (Filed as Exhibit 10.4).
31.1	Certification by Principal Executive Officer, Pursuant to Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	Certification by Principal Financial Officer, Pursuant to Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1	Certification by Principal Executive Officer, Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2	Certification by Principal Financial Officer, Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

(1) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on September 26, 2008.

(2) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on August 24, 2009.

(3) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on November 6, 2009

(4) This exhibit was previously filed as part of, and is being incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on December 17, 2009.

(5) This exhibit was previously filed as part of, and is being incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on October 28, 2009.

(6) This exhibit was previously filed as part of, and is being incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on December 1, 2009.

(7) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Registration Statement on Form S-4 (No. 333-58823) filed on July 9, 1998.

(8) This exhibit was previously filed as part of and is hereby incorporated by reference to same numbered exhibit filed with the Company's Quarterly Report on Form 10-Q for the period ended March 31, 1999.

(9) This exhibit was previously filed as part of, and are hereby incorporated by reference to the numbered exhibit filed with the Company's Annual Report on Form 10-K for the year ended December 31, 2000.

(10) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2004.

(11) This exhibit was previously filed as part of, and is being incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on November 14, 2005.

(12) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on December 6, 2007.

(13) This exhibit was previously filed as part of, and is hereby incorporated by reference to the same numbered exhibit filed with the Company's Registration Statement on Form S-1 (No. 33-47257) filed on April 16, 1992 as amended.

(14) This exhibit was previously filed as part of, and is hereby incorporated by reference to the numbered exhibit filed with the Company's Registration Statement on Form S-3 (No. 333-102483) filed on January 13, 2003, as amended.

(15) This exhibit was previously filed as part of, and is being incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on October 17, 2006.

(16) This exhibit was previously filed as part of, and is being incorporated by reference to the numbered exhibit filed with the Company's Current Report on Form 8-K filed on January 28, 2010.

Exhibit 31.1

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

I, John L. Higgins, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Ligand Pharmaceuticals Incorporated;

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.

Date: May 5, 2010

/s/ John L. Higgins

John L. Higgins
President, Chief Executive Officer and Director
(Principal Executive Officer)

Exhibit 31.2

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

I, John P. Sharp, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Ligand Pharmaceuticals Incorporated;

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.

Date: May 5, 2010

/s/ John P. Sharp

John P. Sharp
Vice President, Finance and Chief Financial Officer
(Principal Financial Officer)

Exhibit 32.1

CERTIFICATION BY PRINCIPAL EXECUTIVE 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 accompanying Quarterly Report on Form 10-Q of Ligand Pharmaceuticals Incorporated (the "Company") for the quarter ended March 31, 2010, I, John L. Higgins, President, Chief Executive Officer and Director of the Company, hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, to the best of my knowledge and belief, that:

(1) such Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

(2) the information contained in such Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, fairly presents, in all material respects, the financial condition and results of operations of the Company.

The foregoing certification is being furnished solely to accompany such Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, pursuant to 18 U.S.C. § 1350, and is not being filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and is not to be incorporated by reference into any filing of the Company, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Date: May 5, 2010

/s/ John L. Higgins
John L. Higgins
President, Chief Executive Officer and Director
(Principal Executive Officer)

Exhibit 32.2

CERTIFICATION BY 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 accompanying Quarterly Report on Form 10-Q of Ligand Pharmaceuticals Incorporated (the "Company") for the quarter ended March 31, 2010, I, John P. Sharp, Vice President, Finance and Chief Financial Officer of the Company, hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, to the best of my knowledge and belief, that:

(1) such Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

(2) the information contained in such Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, fairly presents, in all material respects, the financial condition and results of operations of the Company.

The foregoing certification is being furnished solely to accompany such Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, pursuant to 18 U.S.C. § 1350, and is not being filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and is not to be incorporated by reference into any filing of the Company, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

Date: May 5, 2010

/s/ John P. Sharp

John P. Sharp
Vice President, Finance and Chief Financial Officer
(Principal Financial Officer)