

Advaxis, Inc.  
Form 10-Q  
June 14, 2013

**UNITED STATES**

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 10-Q**

(Mark One)

**QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended April 30, 2013

**TRANSITION REPORT UNDER SECTION 13 OR 15(d) OF THE EXCHANGE ACT**

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

Commission file number 000-28489

**ADVAXIS, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of incorporation or organization)

**02-0563870**

(IRS Employer Identification No.)

305 College Road East, Princeton, NJ 08540

(Address of principal executive offices)

(609) 452-9813

(Registrant's telephone number)

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

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

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

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

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller Reporting Company

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

The number of shares of the registrant's common stock, \$0.001 par value, outstanding as of June 7, 2013 was 595,867,092.

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All other items called for by the instructions to Form 10-Q have been omitted because the items are not applicable or the relevant information is not material.



**PART I-FINANCIAL INFORMATION****Item 1. Financial Statements****ADVAXIS, INC.****(A Development Stage Company)****BALANCE SHEETS**

	April 30, 2013 (unaudited)	October 31, 2012
<b>ASSETS</b>		
Current Assets:		
Cash	\$ 1,010,429	\$ 232
Prepaid Expenses	8,000	25,798
Other Current Assets	58,182	8,182
Deferred Expenses - current	578,447	860,293
Total Current Assets	1,655,058	894,505
Deferred Expenses – long term	355,593	342,007
Property and Equipment (net of accumulated depreciation)	68,884	78,068
Intangible Assets (net of accumulated amortization)	2,400,693	2,413,755
Deferred Financing Cost (net of accumulated amortization)	47,347	49,024
Other Assets	38,438	38,438
<b>TOTAL ASSETS</b>	<b>\$4,566,013</b>	<b>\$3,815,797</b>
<b>LIABILITIES AND SHAREHOLDERS' DEFICIENCY</b>		
Current Liabilities:		
Accounts payable	\$3,742,873	\$5,155,797
Accrued expenses	1,246,106	1,367,412
Short term convertible notes and fair value of embedded derivative	2,092,404	2,089,099
Notes Payable – Officer	420,407	477,274
Notes Payable – Other	-	250,000
Total Current Liabilities	7,501,790	9,339,582
Deferred Rent	-	4,803
Long-term Convertible Note (less unamortized debt discount of \$66,148)	823,852	-
Common Stock Warrant Liability	2,533,103	434,136
Total Liabilities	10,858,745	9,778,521

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Commitments and Contingencies

Shareholders' Deficiency:

Preferred stock, \$0.001 par value; 5,000,000 shares authorized; Series B Preferred Stock; issued and outstanding 740 at April 30, 2013 and at October 31, 2012. Liquidation preference of \$10,092,570	-	-
Common Stock - \$0.001 par value; authorized 1,000,000,000 shares, issued and outstanding 573,468,866 at April 30, 2013 and 394,804,165 at October 31, 2012.	573,467	394,804
Additional Paid-In Capital	62,303,262	51,727,921
Promissory Note Receivable	(10,583,182)	(10,484,022)
Deficit accumulated during the development stage	(58,586,279)	(47,601,427)
Total Shareholders' Deficiency	(6,292,732 )	(5,962,724 )
<b>TOTAL LIABILITIES AND SHAREHOLDERS' DEFICIENCY</b>	<b>\$4,566,013</b>	<b>\$3,815,797</b>

The accompanying notes are an integral part of these financial statements.

**ADVAXIS, INC.****(A Development Stage Company)****STATEMENTS OF OPERATIONS****(unaudited)**

	Three Months Ended April 30,		Six Months Ended April 30,		Period from March 1, 2002 (Inception) to April 30, 2013
	2013	2012	2013	2012	
Revenue	\$-	\$-	\$-	\$-	\$ 1,863,343
Research & Development Expenses	2,112,756	2,215,834	3,091,859	4,428,743	32,894,693
General & Administrative Expenses	3,364,041	1,013,993	4,565,992	2,045,385	31,434,502
Total Operating Expenses	5,476,797	3,229,827	7,657,851	6,474,128	64,329,195
Loss from Operations	(5,476,797 )	(3,229,827 )	(7,657,851 )	(6,474,128 )	(62,465,852 )
Other Income (expense):					
Interest Expense	(95,986 )	(1,579,626 )	(457,162 )	(3,196,508 )	(15,443,027 )
Other Income	21,344	(6,404 )	1,446	340	261,155
Gain (Loss) on note retirement	194,795	(543,428 )	347,286	(1,241,070 )	(645,656 )
Net changes in fair value of derivative liabilities	79,838	2,749,770	(3,943,761 )	3,589,520	17,098,535
Net Loss before benefit for income taxes	(5,276,806 )	(2,609,515 )	(11,710,042 )	(7,321,846 )	(61,194,845 )
Income tax benefit	-	-	725,190	346,787	2,652,450
Net Loss	(5,276,806 )	(2,609,515 )	(10,984,852 )	(6,975,059 )	(58,542,395 )
Dividends attributable to preferred shares	185,000	185,000	370,000	370,000	2,692,570
Net Loss applicable to Common Stock	\$(5,461,806 )	\$(2,794,515 )	\$(11,354,852 )	\$(7,345,059 )	\$(61,234,965 )
Net Loss per share, basic and diluted	\$(.01 )	\$(.01 )	\$(.02 )	\$(.02 )	
Weighted average number of shares outstanding, basic and diluted	528,819,975	285,322,425	489,078,097	273,945,902	

The accompanying notes are an integral part of these financial statements.



**ADVAXIS, INC.****(A Development Stage Company)****STATEMENTS OF CASH FLOWS****(unaudited)**

	Six Months Ended		Period from
	April 30,		March 1, 2002
			(Inception) to
	2013	2012	April 30,
			2013
<b>OPERATING ACTIVITIES</b>			
Net loss	\$(10,984,852)	\$(6,975,059)	\$(58,542,395 )
Adjustments to reconcile net loss to net cash used in operating activities:			
Non-cash charges to consultants and employees for options and stock	2,768,524	587,562	7,906,070
Amortization of deferred financing costs	25,177	-	338,824
Amortization of discount on convertible promissory notes	18,392	1,101,978	2,728,769
Impairment of intangible assets	-	-	26,087
Non-cash interest expense	396,111	2,078,633	11,757,800
(Gain) Loss on change in fair value of derivative liabilities	3,943,761	(3,589,520)	(17,098,535 )
Warrant Expense	24,467	-	788,827
Settlement Expense	364,335	-	629,335
Employee Stock Purchase Plan	14,250	2,162	32,551
Value of penalty shares issued	-	-	149,276
Depreciation expense	9,184	4,592	218,632
Amortization expense of intangibles	77,811	72,424	820,453
Write off of intangible assets	-	-	33,211
Interest Income	-	-	267
Loss (Gain) on note retirement	(347,286 )	1,241,070	645,656
Changes in operating assets and liabilities :		-	-
Decrease (Increase) in prepaid expenses	6,128	36,778	(19,669
(Increase) in other current assets	(50,000 )	(55,961 )	(58,182
(Increase) in other assets	-	-	(132,271
(Increase) decrease in deferred expenses	268,261	606,232	(426,311 )
Increase (decrease) in accounts payable and accrued expenses	69,967	2,107,964	12,574,227
(Decrease) in deferred rent	(4,803 )	(28,819 )	-
Increase in interest payable	17,642	15,299	10,344
Net cash used in operating activities	(3,382,931 )	(2,794,665)	(37,617,034 )
<b>INVESTING ACTIVITIES</b>			
Cash paid on acquisition of Great Expectations	-	-	(44,940
Purchase of property and equipment	-	(91,844 )	(241,937 )
Cost of intangible assets	(64,748 )	(191,688 )	(3,285,393 )
Net cash used in Investing Activities	(64,748 )	(283,532 )	(3,572,270

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FINANCING ACTIVITIES

Proceeds from convertible notes	1,453,500	1,451,963	19,312,900
Repayment of convertible notes	-	(87,941 )	(1,649,030
Payment of deferred offering expenses	(3,500 )	(28,500 )	(117,500 )
Cash paid for deferred financing costs	-	-	(584,493 )
Proceeds from notes payable	-	-	250,000
Proceeds from Officer Loan	11,200	-	1,465,685
Repayment of Officer Loan	(85,700 )	-	(1,215,700 )
Deferred Investment Funds	-	240,000	-
Net proceeds from issuance of Preferred Stock	-	-	8,610,499
Payment on cancellation of warrants	-	-	(600,000
Proceeds from exercise of warrants	94,444	411,765	1,761,210
Net proceeds of issuance of common stock	2,987,932	-	14,976,162
Net cash provided by Financing Activities	4,457,876	1,987,287	42,199,733
Net increase (decrease) in cash	1,010,197	(1,090,910)	1,010,429
Cash at beginning of period	232	1,096,538	-
Cash at end of period	\$1,010,429	\$5,628	\$ 1,010,429

The accompanying notes are an integral part of these financial statements.

**Supplemental Disclosures of Cash Flow Information**

	Six months ended April 30,		Period from March 1, 2002 (Inception) to April 30, 2013
	2013	2012	2013
Cash paid for Interest	\$ 188	\$ 52,998	\$ 788,205
Cash paid for Taxes	-	2,080	16,453

**Supplemental Schedule of Non-cash Investing and Financing Activities**

	Six months ended April 30,		Period from March 1, 2002 (Inception) to January 31, 2013
	2013	2012	2013
Equipment acquired under notes payable	\$-	\$-	\$ 45,580
Common stock issued to Founders	\$-	\$-	\$ 40
Notes payable and accrued interest converted to Preferred Stock	\$-	\$-	\$ 15,969
Stock dividend on Preferred Stock	\$-	\$-	\$ 43,884
Accounts Payable from consultants settled with Common Stock	\$-	\$-	\$ 51,978
Notes payable and embedded derivative liabilities converted to Common Stock	\$1,384,099	\$4,636,255-	\$ 10,026,469
Intangible assets acquired with notes payable	\$-	\$-	\$ 360,000
Intangible assets acquired with common stock	\$-	\$-	\$ 70,000
Debt discount in connection with recording the original value of the embedded derivative liability	\$	\$306,568	\$ 6,473,385
Allocation of the original secured convertible debentures to warrants	\$-	\$-	\$ 214,950
Allocation of the warrants on convertible notes as debt discount	\$	\$279,807	\$ 2,710,406
Cancellation of Note Receivable in connection with Preferred Stock Redemption	\$-	\$-	\$ (3,051,000 )
Note receivable in connection with exercise of warrants	\$-	\$-	\$ 9,998,210
Common stock issued in exchange for warrants	-	134,796	134,796
Warrants Issued in connection with issuance of Common Stock	\$-	\$-	\$ 1,505,550
Warrants Issued in connection with issuance of Preferred Stock	\$-	\$-	\$ 3,587,625

The accompanying notes are an integral part of these financial statements.



**ADVAXIS, INC.**

**NOTES TO THE FINANCIAL STATEMENTS**

**(unaudited)**

**1. NATURE OF OPERATIONS AND BASIS OF PRESENTATION**

Advaxis Inc. (the “Company”) is a clinical development stage biotechnology company with the intent to develop safe and effective immunotherapies for cancer and infectious diseases. These immunotherapies are based on a platform technology under exclusive license from the University of Pennsylvania (“Penn”) that utilizes live attenuated *Lm* bioengineered to secrete antigen/adjuvant fusion proteins. These *Lm* strains use a fragment of the protein listeriolysin (“LLO”), fused to a tumor associated antigen (“TAA”), or other antigen of interest. The Company refers to these as *Lm*-LLO immunotherapies. The Company believes these *Lm*-LLO agents redirect the potent immune response to *Lm* that is inherent in humans, to the TAA or antigen of interest. *Lm*-LLO based immunotherapies stimulate the immune system to induce antigen-specific anti-tumor immune responses involving both innate and adaptive arms of the immune system. In addition, this technology facilitates the immune response by altering the microenvironment of tumors to make them more susceptible to immune attack.

The Company’s lead construct, ADXS-HPV, is being evaluated in four ongoing clinical trials for human papillomaviruse (“HPV”)-associated diseases as follows: recurrent/refractory cervical cancer (India), locally advanced cervical cancer (with the Gynecologic Oncology Group (GOG), largely underwritten by the National Cancer Institute (NCI); head and neck cancer (with the Cancer Research, United Kingdom (CRUK), (UK)) and anal cancer (Brown University, Oncology Group (BrUOG), U.S.). In addition, the Company has developed immunotherapies for prostate cancer and HER2 overexpressing cancers (such as breast, gastric and other cancers in humans and osteosarcoma in canines). Over fifteen distinct constructs are in various stages of development, developed directly by the Company and through strategic collaborations with recognized centers of excellence.

Since inception in 2002, the Company has focused its development efforts on understanding its technology and establishing a drug development pipeline that incorporates this technology into therapeutic immunotherapies, currently those targeting HPV-associated diseases (cervical cancer, head and neck cancer and anal cancer), prostate cancer, and HER2 overexpressing cancers. Although no immunotherapies have been commercialized to date, research and development and investment continues to be placed behind the pipeline and the advancement of this technology. Pipeline development and the further exploration of the technology for advancement entail risk and expense. The Company anticipates that its ongoing operational costs will increase significantly as it continues conducting its clinical development program.

*Liquidity and Financial Condition*

The Company's products are being developed and have not generated significant revenues. As a result, the Company has suffered recurring losses and its liabilities exceed its assets. These losses are expected to continue for an extended period of time. The Company intends to continue raising funds through the sale of both debt and equity in order to continue funding ongoing clinical trials. The accompanying financial statements have been prepared assuming that the Company will continue as a going concern. There is a working capital deficiency, a shareholders' deficiency and recurring losses from operations that raise substantial doubt about its ability to continue as a going concern. The financial statements do not include any adjustments to the carrying amount and classification of recorded assets and liabilities should the Company be unable to continue operations. Management's plans are to continue to raise additional funds through the sales of debt or equity securities. Subsequent to April 30, 2013, the Company raised an aggregate of approximately \$230,000 in additional capital through the sale of equity securities and exercise of warrants.

The Company recognizes it will need to raise additional capital over and above the amount raised subsequent to April 30, 2013 in order to execute its business plan. There is no assurance that additional financing will be available when needed or that management will be able to obtain financing on terms acceptable to the Company or whether the Company will become profitable and generate positive operating cash flow. If the Company is unable to raise sufficient additional funds, it will have to develop and implement a plan to further extend payables and reduce overhead until sufficient additional capital is raised to support further operations. There can be no assurance that such a plan will be successful.

Accordingly, the accompanying consolidated financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America, which contemplate continuation of the Company as a going concern and the realization of assets and the satisfaction of liabilities in the normal course of business. The carrying amounts of assets and liabilities presented in the financial statements do not necessarily represent realizable or settlement values. The financial statements do not include any adjustments that might result from the outcome of this uncertainty.

#### *Basis of Presentation*

The accompanying unaudited interim financial statements include all adjustments (consisting only of those of a normal recurring nature) necessary for a fair statement of the results of the interim period. The October 31, 2012 balance sheet is derived from the audited balance sheet included in the Company's Annual Report on Form 10-K for the fiscal year ended October 31, 2012 (the "Form 10-K"). These interim financial statements should be read in conjunction with the Company's financial statements and notes for the fiscal year ended October 31, 2012 included in the Form 10-K. The Company believes these financial statements reflect all adjustments and reclassifications that are necessary for a fair presentation of its financial position and results of operations for the periods presented.

#### *Estimates*

The preparation of financial statements in accordance with Generally Accepted Accounting Principles (GAAP) involves the use of estimates and assumptions that affect the recorded amounts of assets and liabilities as of the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results may differ substantially from these estimates. Significant estimates include the fair value and recoverability of the carrying value of intangible assets (patents and licenses), the fair value of options, the fair value of embedded conversion features, warrants and related disclosure of contingent assets and liabilities. On an on-going basis, we evaluate our estimates, based on historical experience and on various other assumptions that we believe to be reasonable under the circumstances. Actual results may differ from estimates.

## 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### *Revenue Recognition*

Revenue from license fees and grants is recognized when the following criteria are met: (i) persuasive evidence of an arrangement exists, (ii) services have been rendered, (iii) the contract price is fixed or determinable, and (iv) collection is reasonably assured. In licensing arrangements, delivery does not occur for revenue recognition purposes until the license term begins. Nonrefundable upfront fees received in exchange for products delivered or services performed that do not represent the culmination of a separate earnings process will be deferred and recognized over the term of the agreement using the straight line method or another method if it better represents the timing and pattern of performance. Since its inception, all of the Company's revenues have been from multiple research grants. For the three and six months ended April 30, 2013 and 2012, the Company did not receive any revenue from such grants.



For revenue contracts that contain multiple elements, revenue arrangements with multiple deliverables are divided into separate units of accounting if the delivered item has value to the customer on a standalone basis and there is objective and reliable evidence of the fair value of the undelivered item.

*Cash*

The Company considers all highly liquid investments with an original maturity of three months or less when purchased to be cash equivalents. As of April 30, 2013 and October 31, 2012, the Company did not have any cash equivalents.

*Concentration of Credit Risk*

The Company maintains its cash in bank deposit accounts (checking) that at times exceed federally insured limits.

*Net Loss per Share*

Basic net income or loss per common share is computed by dividing net income or loss available to common shareholders by the weighted average number of common shares outstanding during the periods. Diluted earnings per share give effect to dilutive options, warrants, convertible debt and other potential common stock outstanding during the period. Therefore, in the case of a net loss the impact of the potential common stock resulting from warrants, outstanding stock options and convertible debt are not included in the computation of diluted loss per share, as the effect would be anti-dilutive. In the case of net income the impact of the potential common stock resulting from these instruments that have intrinsic value are included in the diluted earnings per share. The table sets forth the number of potential shares of common stock that have been excluded from diluted net loss per share.

	As of April 30,	
	2013	2012
Warrants	111,349,846	136,941,303
Stock Options	60,112,424	44,807,424
Convertible Debt (using the if-converted method)	41,630,875	38,135,707
Total	213,093,145	219,884,434

*Stock Based Compensation*

The Company has an equity plan which allows for the granting of stock options to its employees, directors and consultants for a fixed number of shares with an exercise price equal to the fair value of the shares at date of grant. The Company measures the cost of services received in exchange for an award of equity instruments based on the fair value of the award. For employees and directors, the fair value of the award is measured on the grant date and for non-employees, the fair value of the award is generally re-measured on interim financial reporting dates until the service period is complete. The fair value amount is then recognized over the period during which services are required to be provided in exchange for the award, usually the vesting period.

Stock-based compensation for directors is reflected in general and administrative expenses in the statements of operations. Stock-based compensation for employees and consultants could be reflected in research and development expenses or general and administrative expenses in the statements of operations.

### *Fair Value of Financial Instruments*

The carrying amounts of financial instruments, including cash, accounts payable and accrued expenses approximated fair value as of the balance sheet date presented, because of the relatively short maturity dates on these instruments. The carrying amounts of the financing arrangements issued approximate fair value as of the balance sheet date presented, because interest rates on these instruments approximate market interest rates after consideration of stated interest rates, anti-dilution protection and associated warrants.

### *Derivative Financial Instruments*

The Company does not use derivative instruments to hedge exposures to cash flow, market or foreign currency risks. The Company evaluates all of its financial instruments to determine if such instruments are derivatives or contain features that qualify as embedded derivatives. For derivative financial instruments that are accounted for as liabilities, the derivative instrument is initially recorded at its fair value and is then re-valued at each reporting date, with changes in the fair value reported in the statements of operations. For stock-based derivative financial instruments, the Company used the Black Scholes valuation model which approximated the binomial lattice options pricing model to value the derivative instruments at inception and on subsequent valuation dates. The classification of derivative instruments, including whether such instruments should be recorded as liabilities or as equity, is evaluated at the end of each reporting period. Derivative liabilities are classified in the balance sheet as current or non-current based on whether or not net-cash settlement of the instrument could be required within 12 months of the balance sheet date.

### *Hybrid Financial Instruments*

For certain hybrid financial instruments, the Company elected to apply the fair value option to account for certain instruments. The Company made an irrevocable election to measure such hybrid financial instruments at fair value in their entirety, with changes in fair value recognized in earnings at each balance sheet date. The election may be made on an instrument by instrument basis.

### *Debt Discount and Amortization of Debt Discount*

Debt discount represents the fair value of embedded conversion options of various convertible debt instruments and attached convertible equity instruments issued in connection with debt instruments. The debt discount is amortized over the earlier of (i) the term of the debt or (ii) conversion of the debt, using the straight-line method which approximates the interest method. The amortization of debt discount is included as a component of other expenses in

the accompanying statements of operations.

*Recent Accounting Pronouncements*

In July 2012, the FASB issued ASU 2012-02, "Intangibles-Goodwill and Other (Topic 350): Testing Indefinite-Lived Intangible Assets for Impairment." This ASU simplifies how entities test indefinite-lived intangible assets for impairment which improve consistency in impairment testing requirements among long-lived asset categories. These amended standards permit an assessment of qualitative factors to determine whether it is more likely than not that the fair value of an indefinite-lived intangible asset is less than its carrying value. For assets in which this assessment concludes it is more likely than not that the fair value is more than its carrying value, these amended standards eliminate the requirement to perform quantitative impairment testing as outlined in the previously issued standards. The guidance is effective for annual and interim impairment tests performed for fiscal years beginning after September 15, 2012, early adoption is permitted. The adoption of this standard did not have a material impact on the Company's financial position and results of operations.

In February 2013, the FASB issued ASU No. 2013-02, "Reporting of Amounts Reclassified Out of Other Comprehensive Income". ASU 2013-02 finalized the reporting for reclassifications out of accumulated other comprehensive income, which was previously deferred, as discussed below. The amendments do not change the current requirements for reporting net income or other comprehensive income in financial statements. However, they do require an entity to provide information about the amounts reclassified out of accumulated other comprehensive income by component. An entity is also required to present on the face of the financials where net income is reported or in the footnotes, significant amounts reclassified out of accumulated other comprehensive income by the respective line items of net income, but only if the amount reclassified is required under U.S. GAAP to be reclassified to net income in its entirety in the same reporting period. Other amounts need only be cross-referenced to other disclosures required that provide additional detail of these amounts. The amendments in this update are effective for reporting periods beginning after December 15, 2012. Early adoption is permitted.

*Income Taxes*

The Company uses the asset and liability method of accounting for income taxes in accordance with ASC Topic 740, "Income Taxes." Under this method, income tax expense is recognized for the amount of: (i) taxes payable or refundable for the current year and (ii) deferred tax consequences of temporary differences resulting from matters that have been recognized in an entity's financial statements or tax returns. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in the results of operations in the period that includes the enactment date. A valuation allowance is provided to reduce the deferred tax assets reported if based on the weight of the available positive and negative evidence, it is more likely than not some portion or all of the deferred tax assets will not be realized.

ASC Topic 740-10-30 clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements and prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. ASC Topic 740-10-40 provides guidance on de-recognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. The Company will classify as income tax expense any interest and penalties. The Company has no material uncertain tax positions for any of the reporting periods presented. The Company files tax returns in U.S. federal and state jurisdictions, including New Jersey, and is subject to audit by tax authorities beginning with the year ended October 31, 2009.

**3. PROPERTY AND EQUIPMENT**

Property and equipment consists of the following:

	April 30, 2013 (Unaudited)	October 31, 2012
Laboratory Equipment	\$ 287,516	\$ 287,516
Accumulated Depreciation	(218,632 )	(209,448 )
Net Property and Equipment	\$ 68,884	\$ 78,068

Depreciation expense for the three and six months ended April 30, 2013 and 2012 and the period from March 1, 2002 (inception) to April 30, 2013 was \$4,592, \$9,184, \$4,592, \$4,592, and \$218,632, respectively.

**4. INTANGIBLE ASSETS**

Under the Penn license agreements, the Company is billed actual patent expenses as they are passed through from Penn and are billed directly from our patent attorney. The following is a summary of intangible assets as of the end of the following fiscal periods:

	April 30, 2013 (Unaudited)	October 31, 2012
License	\$ 651,992	\$ 651,992
Patents	2,487,158	2,422,409
Total intangibles	3,139,150	3,074,401
Accumulated Amortization	(738,457 )	(660,646 )
Intangible Assets	\$ 2,400,693	\$ 2,413,755

The expirations of the existing patents range from 2014 to 2023 but the expirations can be extended based on market approval if granted and/or based on existing laws and regulations. Capitalized costs associated with patent applications that are abandoned without future value are charged to expense when the determination is made not to pursue the application. No patent applications with future value were abandoned or expired and charged to expense in the three and six months ended April 30, 2013 or 2012. Amortization expense for licensed technology and capitalized patent cost is included in general and administrative expenses and aggregated \$39,108, \$77,811 and \$37,015, \$72,424 for the three and six months ended April 30, 2013 and 2012 and \$820,453 for the period from March 1, 2002 (inception) to April 30, 2013, respectively.

Estimated amortization expense for the next five years is as follows:

Year ended October 31,	
2013	70,000
2014	140,000
2015	140,000
2016	140,000
2017	140,000

## 5. SHORT-TERM CONVERTIBLE NOTES & FAIR VALUE OF EMBEDDED DERIVATIVE

	April 30, 2013 (Unaudited)	October 31, 2012
October 2011 Note Financing	\$ -	\$58,824
December 2011 Note Financing	-	131,928
May 2012 Note Financing	779,899	588,313
Bridge Notes	62,882	185,758
JMJ Financial	761,453	73,590
Hanover Holdings Note	89,945	362,791
Magna	-	333,086
Chris French	-	25,950
Asher	224,915	150,687
Yvonne Paterson	-	103,804
James Patton	173,310	78,909
<b>Total Convertible Notes</b>	<b>2,092,404</b>	<b>2,093,640</b>
Unamortized discount – Original Issue Discount (OID)	-	(4,541 )
<b>Current Portion of Convertible Notes</b>	<b>\$ 2,092,404</b>	<b>\$2,089,099</b>

Convertible Notes payable consist of the following:

October 2011 Note Financing

The notes issued by the Company in the offering completed in October 2011, which we refer to as the October 2011 Notes, matured on October 31, 2012. At October 31, 2012, there was one remaining October 2011 Note with an outstanding principal balance of \$58,824.



During the six months ended April 30, 2013, pursuant to the terms of an Assignment Agreement, the Company delivered a convertible note, which we refer to as the Second Magna Exchange Note, to Magna Group, LLC, an affiliate of Hanover, which we refer to as Magna, in an aggregate principal amount of \$58,824, convertible into shares of common stock, which bears interest at a rate of 6% per annum, which interest accrues, but does not become payable until maturity.

During the six months ended April 30, 2013, the Company converted the \$58,824 in principal into 2,277,992 shares of common stock at conversion prices ranging from \$0.025287 to \$0.026017, recording non-cash expense of approximately \$70,000 to the loss on retirement account, on the statement of operations, for the difference between the amount of the principal converted and the fair value of the shares issued as a result of the conversion. As of April 30, 2013, there were no outstanding October 2011 Notes.

#### December 2011 Note Financing

At October 31, 2012, there was one remaining note that was issued by the Company in the offering completed in December 2011, which we refer to as the December 2011 Note, with an outstanding principal balance of \$158,824, having an unamortized debt discount of \$26,896.

During the six months ended April 30, 2013, pursuant to the terms of an Assignment Agreement, we delivered a convertible note to Magna in an aggregate principal amount of \$170,589 (including the above \$158,824 and a junior subordinated convertible promissory note in the amount of \$11,765), convertible into shares of common stock, which bears interest at a rate of 6% per annum, which interest accrues, but does not become payable until maturity.

Accretion of the discount was \$26,896 for the three months ended January 31, 2013, resulting in the December 2011 Note being recorded at its principal value of \$158,824, on the balance sheet, prior to its assignment. During the six months ended April 30, 2013, the Company converted the \$170,589 in principal into 6,110,944 shares of our common stock at a conversion price of \$0.027915, recording non-cash expense of approximately \$104,000 to the loss on retirement account, on the statement of operations, for the difference between the amount of principal converted and the fair value of the shares issued as a result of the conversion. As of April 30, 2013, there were no outstanding December 2011 Notes.

#### May 2012 Note Financings

Effective May 14, 2012, the Company entered into a Note Purchase Agreement, which we refer to as the May 2012 Notes, in which investors acquired \$953,333 of convertible promissory notes for an aggregate purchase price of approximately \$715,000 in cash, representing an original issue discount of 25%. The May 2012 Notes are convertible into shares of common stock at \$0.15 per share. Additionally, investors received warrants, which the Company refers to as the May 2012 Warrants, to purchase such number of shares of common stock equal to 50% of the number of shares of our common stock that would be issuable upon conversion of their May 2012 Notes at an exercise price of \$0.15 per share. The May 2012 Notes matured on May 18, 2013. The Company may redeem the May 2012 Notes under certain circumstances. The May 2012 Warrants are exercisable at any time on or before May 18, 2017. The May 2012 Warrants may be exercised on a cashless basis under certain circumstances. As of April 30, 2013 the conversion price of the May 2012 Notes was \$.0253 due to the anti-dilution provisions contained therein and the exercise price of the May 2012 Warrants was \$.085 as a result of the price reset provisions contained therein.

The Company elected to apply the fair-value option to account for the May 2012 Notes and has recorded the May 2012 Notes at a fair value of \$454,680 upon issuance. Unrealized losses on the mark-to-market of the May 2012 Notes which amounted to \$653,322 for the period from the date of issuance or May, 14, 2012 through April 30, 2013 were recognized as a non-cash expense in the changes in fair value account on the statement of operations. Accretion of the discount, related to the original fair value of the associated warrants, was recognized through interest expense, amounting to \$205,976 for the period from the date of issuance or May 14, 2012 through April 30, 2013.

In addition, as a result of the reset provisions discussed above, the May 2012 Warrants, which have been recorded at a fair value of \$291,400 on May 14, 2012, are being reflected as a warrant liability as of the date of issuance. At October 31, 2012, the warrant liability amounted to \$112,487. As of April 30, 2013, the warrant liability amounted to \$83,720, which resulted in a non-cash income of \$7,829 for the three months ended April 30, 2013 and non-cash expense of \$73,011 for the six months ended April 30, 2013, being recorded in the changes in fair value account on the statement of operations.

During the six months ended April 30, 2013, the Company converted \$475,000 in principal into 18,784,353 shares of its common stock at a conversion price of \$0.025287, recording non-cash expense of approximately \$25,000 to the loss on retirement account, on the operations, for the difference between the amount of the principal converted and the fair value of the shares issued as a result of the conversion.

As of April 30, 2013, approximately \$478,000 in principal remained outstanding on the May 2012 Notes. As of April 30, 2013, the May 2012 Notes were recorded on the balance sheet at their fair value of \$779,899.

Subsequent to April 30, 2013, certain May 2012 note holders converted \$395,000 in principal into 15,620,674 shares of our common stock at a conversion rate of \$0.0253. Currently, only one May 2012 Note, with a remaining principal amount of approximately \$83,000, remains outstanding. (See Footnote 14: *Subsequent Events* for more information on these conversions after the balance sheet date).

#### Junior Subordinated Convertible Promissory Notes

The Company refers to all Junior Subordinated Convertible Promissory Notes as “Bridge Notes”.

The Bridge Notes are convertible into shares of the Company’s common stock at a fixed exercise price. For every dollar invested in the Company’s Bridge Notes, each investor received warrant coverage ranging from approximately 23% to 75%, subject to adjustments upon the occurrence of certain events as more particularly described below and in the form of warrant. As of October 31, 2012, substantially all of the Bridge Warrants had an exercise price of \$0.15 per share. The Bridge Notes may be prepaid in whole or in part at the option of the Company without penalty at any time prior to the maturity date. The warrants may be exercised on a cashless basis under certain circumstances.

As of October 31, 2012, the Company had approximately \$186,000 in principal outstanding on its junior subordinated convertible promissory notes with maturity dates ranging to May 12, 2012.

During the three and six months ended April 30, 2013, pursuant to the terms of various Assignment Agreements, the Company delivered convertible notes to Magna in aggregate principal amounts of \$170,589 (including \$11,765 of junior subordinated convertible promissory notes plus the above December 2011 Note in the principal amount of \$158,824) and \$111,111 (consisting of one junior subordinated convertible promissory note), convertible into shares of common stock, which bears interest at a rate of 6% per annum, which interest accrues, but does not become payable until maturity. The Company converted the exchange note, which it refers to as the Third Magna Exchange Note, in the principal amount of \$111,111 into 4,280,090 shares of our common stock at a conversion price of \$0.02596 per share, recording non-cash expense of approximately \$106,000 to the loss on retirement account, on the statement of operations, for the difference between the amount of the principal converted and the fair value of the shares issued as a result of the conversion.

As of April 30, 2013, approximately \$63,000 in principal remained outstanding on the junior unsubordinated convertible promissory notes, with maturity dates ranging to October 22, 2011. These notes are currently in default and are recorded as current liabilities on our balance sheet at April 30, 2013.

#### JMJ Financial

On August 27, 2012, in a private placement pursuant to a Note Purchase Agreement, we issued JMJ Financial a convertible promissory note in the aggregate principal amount of \$100,000 for a purchase price of \$100,000, which we refer to as the JMJ August 2012 Note. As of October 31, 2012, the JMJ August 2012 Note remained outstanding. Due to the conversion feature into a variable number of shares, the JMJ August 2012 Note is valued at fair value at each reporting period. As of October 31, 2012, the fair value of the JMJ August 2012 Note was \$73,590.

During the six months ended April 30, 2013, the Company converted the JMJ August 2012 Note totaling \$100,000 into 3,092,973 shares of our common stock. The Company recorded non-cash income of approximately \$96,000 upon conversion. This non-cash income was recorded to the gain on retirement account, on the statement of operations, representing the difference between the fair value of the JMJ August 2012 Note, as reported on the balance sheet, and the fair value of the shares issued as a result of the conversion.

On December 28, 2012, in a private placement pursuant to a note purchase agreement, the Company issued JMJ Financial a one month convertible promissory note, which we refer to as the JMJ December 2012 Note, in the aggregate principal amount of \$100,000 for a purchase price of \$100,000. If repaid before January 31, 2013, the principal amount of the JMJ December 2012 Note would be \$125,000. If the JMJ December 2012 Note was to be rolled into a future financing, the principal amount would be \$115,000.

On April 26, 2013, in a private placement, we issued JMJ Financial a convertible promissory note. The face amount of the note reflects an aggregate principal amount of \$800,000 for total consideration of \$720,000 (or a 10% original issue discount). However, we have currently only borrowed \$425,000 from JMJ Financial under this convertible promissory note. JMJ Financial paid us \$300,000 in cash and exchanged a promissory note with an aggregate principal amount of \$125,000 that we issued to JMJ Financial on December 26, 2012 as consideration for the note. The exchange was analyzed and management concluded that the exchanged qualifies for modification accounting. JMJ Financial has no obligation to lend us the remaining \$295,000 of available principal amount under the note and may never do so. We have no obligation to pay JMJ Financial any amounts on the unfunded portion of the note. We may not prepay any portion of the note without JMJ Financial's consent.

The convertible promissory note matures April 26, 2014 and, in addition to the 10% original issue discount, provides for payment of a one-time interest charge of 5% on funded amounts. The convertible promissory note is convertible at any time, in whole or in part, at JMJ Financial's option into shares of our common stock at the lesser of \$0.07 or 70% of the average of the lowest two closing prices in the 20-day pricing period preceding a conversion. However, at no time will JMJ Financial be entitled to convert any portion of the note to the extent that after such conversion, JMJ Financial (together with its affiliates) would beneficially own more than 4.99% of our outstanding shares of common stock as of such date. We agreed to reserve at least 20,000,000 shares of our common stock for conversion of the note. The note also provides for penalties and rescission rights if we do not deliver shares of our common stock upon conversion within the required timeframes.

The convertible promissory note includes customary event of default provisions, and provides for a default rate of the lesser of 18% or the maximum permitted by law. Upon the occurrence of an event of default, the lender may require us to pay in cash the "Mandatory Default Amount" which is defined in the note to mean the greater of (i) the outstanding principal amount of the note plus all interest, liquidated damages and other amounts owing under the note, divided by the conversion price on the date payment of such amount is demanded or paid in full, whichever is lower, multiplied by the volume-weighted-average price, or VWAP, on the date payment of such amount is demanded or paid in full, whichever has a higher VWAP, or (ii) 150% of the outstanding principal amount of the note plus 100% of all interest, liquidated damages and other amounts owing under the note.

We also granted JMJ Financial the right, at its election, to participate in the next public offering of our securities by exchanging, in whole or in part, the funded portion of this note for a subscription to such public offering in an amount equal to 125% of the sum of the funded portion of the principal amount of being exchanged plus all accrued and unpaid interest, liquidated damages, fees, and other amounts due on such exchanged principal amount. If we complete a public offering of \$10,000,000 or more, JMJ Financial has the right, at its election, to require us to repay the note, in whole or in part, in amount equal to 125% of the sum of the funded principal amount being repaid plus all accrued and unpaid interest liquidated damages, fees, and other amounts due on such principal amount.

At April 30, 2013, the outstanding JMJ April 2013 Note was recorded on the balance sheet at its fair value of \$761,453.

Hanover Holdings Notes

On September 19, 2012, in a private placement pursuant to a Note Purchase Agreement, the Company issued Hanover Holdings I, LLC, which the Company refers to as Hanover, a convertible promissory note in the aggregate principal amount of \$132,500, for a purchase price of \$132,500, which the Company refers to as the Initial Hanover PIPE Note. On October 19, 2012, in a private placement pursuant to a note purchase agreement, the Company issued Hanover a convertible promissory note in the aggregate principal amount of \$132,500, for a purchase price of \$132,500, which the Company refers to as the Second Hanover PIPE Note, which, together with the Initial Hanover PIPE Note the Company refers to as the Hanover PIPE Notes.

On December 6, 2012, in a private placement pursuant to a note purchase agreement, the Company issued Hanover a convertible promissory note in the aggregate principal amount of \$100,000 for a purchase price of \$100,000, which the Company refers to as the Hanover December 2012 Note. The Hanover December 2012 Note bears interest at a rate of 12% per annum, which interest accrues, but does not become payable until maturity or acceleration of the principal of such Hanover December 2012 Note. The Hanover December 2012 Note is convertible into shares of our common stock at a conversion price of \$0.03 per share. On December 5, Hanover exchanged the Initial Hanover PIPE Notes for convertible notes in the form of the Hanover December 2012 Note in all material respects (other than date of issuance, exchange date, the maturity date of May 19, 2013 solely with respect to the exchanged Hanover PIPE Note issued in exchange for the Initial Hanover PIPE Note and the maturity date of June 19, 2013 solely with respect to the exchanged Hanover PIPE Note issued in exchange for the Second Hanover PIPE Note) that also are convertible into shares of our common stock at a conversion price of \$0.03 per share, which the Company refers to as the Exchanged Hanover PIPE Notes. In addition, on December 6, 2012, the Company issued Hanover a convertible promissory note in the aggregate principal amount of \$100,000, which the Company refers to as the Hanover December 2012 Note. Each of the Hanover December 2012 Note and the Exchanged Hanover PIPE Notes are subject to limitations on conversion if after giving effect to such conversion Hanover would beneficially own more than 4.99% of our common stock.

Due to the fixed conversion price of \$0.03, the Company reversed fair value adjustments taken in the period ended October 31, 2012 resulting in the Hanover PIPE Notes being recorded on the balance sheet at principal value. Then, the Company recorded beneficial conversion features in the aggregate principal amount of \$122,092 as a discount to these notes. Accretion of the discounts amounted to \$83,317 and \$112,037 for the three and six months ended April 30, 2013, respectively.

During the six months ended April 30, 2013, the note-holder converted principal of \$265,000 into 8,833,334 shares of the Company's common stock at a conversion rate of \$0.03/share. During the three months ended April 30, 2013, the Company recognized interest expense of approximately \$62,000 in order to accrete the unamortized debt discount back to the notes' principal through the dates of conversion. As of April 30, 2013, the remaining Hanover December 2012 Note was recorded on the balance sheet at \$89,945, net of \$10,055 unamortized discount.

Magna Note

As of October 31, 2012, the Magna Exchange Note was recorded at a fair value of \$333,086 on the balance sheet.

During the six months ended April 30, 2013, Magna converted the remaining approximately \$300,000 in principal into 10,124,026 shares of our common stock at prices ranging from \$0.0257 to \$0.0331, resulting in non-cash expense for the period of approximately \$44,000 resulting from the difference between the amount of principal converted and the fair value of the shares issued as a result of the conversion. As of April 30, 2013, the Magna Exchange Note had been converted in full.

Asher

On September 11, 2012, in a private placement pursuant to a Note Purchase Agreement, the Company issued Asher Enterprises, Inc, which it refers to as Asher, a convertible promissory note in the aggregate principal amount of \$103,500, for a purchase price of \$100,000, which it refers to as the Asher Note. The Asher Note bears interest at a rate of 8%, which interest accrues, but does not become payable until maturity or acceleration of the principal of the Asher Note. The Asher Note is convertible into shares of our common stock at a conversion price equal to 61% of the arithmetic average of the five lowest closing trading prices for the common stock during the 10 trading day period ending on the latest complete trading day prior to the applicable conversion date. The Asher Note matures on June 13, 2013, nine months from its issuance date. The Asher Note may be converted by Asher, at its option, in whole or in part. The Asher Note includes a limitation on conversion, which provides that at no time will Asher be entitled to convert any portion of the Asher Note, to the extent that after such conversion, Asher (together with its affiliates) would beneficially own more than 4.99% of the outstanding shares of the common stock as of such date.



Unrealized losses on the mark-to-market of the Asher Note which amounted to \$47,187, for the period from the date of issuance were recorded as non-cash expense for the period ended October 31, 2012. During the three months ended April 30, 2013, Asher converted principal of \$103,500 and accrued interest into 2,054,855 shares of the Company's common stock at a conversion rate of approximately \$0.052/share.

On November 12, 2012, in a private placement pursuant to a note purchase agreement, we issued Asher a convertible promissory note in the aggregate principal amount of \$153,500, for a purchase price of \$150,000, which we refer to as the Second Asher Note. The Second Asher Note bears interest at a rate of 8%, which interest accrues, but does not become payable until maturity or acceleration of the principal of the Second Asher Note. The Second Asher Note is convertible into shares of our common stock at a conversion price equal to 65% of the arithmetic average of the five lowest closing trading prices for the common stock during the 10 trading day period ending on the latest complete trading day prior to the applicable conversion date. The Second Asher Note matures on August 14, 2013, nine months from its issuance date. The Second Asher Note may be converted by Asher, at its option, in whole or in part. The Second Asher Note includes a limitation on conversion, which provides that at no time will Asher be entitled to convert any portion of the Second Asher Note, to the extent that after such conversion, Asher (together with its affiliates) would beneficially own more than 4.99% of the outstanding shares of the common stock as of such date.

Unrealized losses on the mark-to-market of the Second Asher Note which amounted to \$71,415, for the period from the date of issuance were recorded as non-cash expense for the period ended April 30, 2013. As of April 30, 2013, the Second Asher Note was recorded on the balance sheet at its fair value of \$224,915.

Chris French

During the six months ended April 30, 2013, the Company converted principal of \$25,000 of a note issued to Chris French plus accrued interest of approximately \$633, into 565,847 shares of our common stock at a conversion price of \$0.045 per share. In addition, the Company issued a warrant in the amount of 282,924 shares, which expires on October 26, 2015 and revalued the warrant liability, at April 30, 2013, with an exercise price of \$0.045, resulting in non-cash expense of approximately \$21,000 resulting from the difference between the fair value of the note as shown on the balance sheet plus accrued interest to-date and the fair value of the shares issued as a result of the conversion. As of April 30, 2013, this note no longer remained outstanding.

Yvonne Paterson

During the six months ended April 30, 2013, the Company converted principal of \$100,000 of a note issued to Yvonne Paterson plus accrued interest of approximately \$2,532, into 2,263,389 shares of our common stock at a

conversion price of \$0.045 per share. In addition, the Company issued a warrant in the amount of 1,131,695 shares, which expires on October 26, 2015 and revalued the warrant liability, at April 30, 2013, with an exercise price of \$0.045, resulting in non-cash expense of approximately \$32,000 resulting from the difference between the fair value of the note as shown on the balance sheet plus accrued interest to-date and the fair value of the shares issued as a result of the conversion. As of April 30, 2013, this note no longer remained outstanding.

James Patton

On August 2, 2012, in a private placement pursuant to a Note Purchase Agreement, we issued Dr. James Patton, a member of our board of directors, a convertible promissory note, which we refer to as the Patton Note in the principal amount of \$66,667 for a purchase price of \$50,000. The Patton Note was issued with an original issue discount of 25%. Dr. Patton paid \$0.75 for each \$1.00 of principal amount of the Patton Note purchased. The Patton Note is convertible into shares of our common stock at a per share conversion price equal to \$0.025287 and is subject to “full ratchet” anti-dilution protection upon certain equity issuances below \$0.025287 per share (as may be further adjusted). Additionally, Dr. Patton received a warrant, which we refer to as the Patton Warrant, to purchase such number of shares of our common stock equal to 50% of such number of shares of our common stock issuable upon conversion of the Patton Note at an exercise price of \$0.085 per share. The Patton Note matures on August 2, 2013. We may redeem the Patton Note under certain circumstances. The Patton Warrant is exercisable at any time on or before August 2, 2017. The Patton Warrant may be exercised on a cashless basis under certain circumstances. The Patton Note and the Patton Warrant each include a limitation on conversion or exercise, as applicable, which provides that at no time will Dr. Patton be entitled to convert any portion of the Patton Note or Patton Warrant, to the extent that after such conversion or exercise, as applicable, Dr. Patton (together with his affiliates) would beneficially own more than 4.99% of the outstanding shares of the common stock as of such date.

As of April 30, 2013, the Patton Warrants had a fair value of \$10,756, resulting in non-cash income of approximately \$3,300 and noncash expense of approximately \$2,700 for the three and six months ended April 30, 2013, respectively. In addition, the Company recorded an unrealized gain of approximately \$12,000 and an unrealized loss of approximately \$91,000 on the mark-to-market of the note for the three and six months ended April 30, 2013, respectively.

Accretion of the discount amounted to \$3,355, for the three and six months ended April 30, 2013.

As of April 30, 2013, the Patton Note was recorded on the balance sheet at its fair value of \$173,310.

**6. NOTES PAYABLE-OFFICER:**

*Moore Notes*

The Company has agreed to sell senior promissory notes, which we refer to as the Moore Notes, to Mr. Moore, our chief executive officer, from time to time, under an agreement which we refer to as the Moore Agreement. The Moore

Notes bear interest at the rate of 12% per annum. Currently, under the terms of the amended and restated Moore Notes, the maturity date is the earlier of (i) the date of consummation of an equity financing in an amount of \$6.0 million or more or (ii) the occurrence of any event of default as defined in the Moore Notes. As of October 31, 2012, the Company owed Mr. Moore approximately \$477,000 in principal and interest under the Moore Notes.

For the six months ended April 30, 2013, Mr. Moore loaned the Company \$11,200 under the Moore Notes. The Company paid Mr. Moore \$85,700 principal on the Moore Notes for the six months ended April 30, 2013. For the three and six months ended April 30, 2013 and 2012 as well as the period from inception, the Company recorded interest expense of \$9,530, 17,642, \$317,664 respectively. As of April 30, 2013 and October 31, 2012, respectively, the Company was not in default under the terms of the Moore Agreement. The Company intends to repay Mr. Moore when funds are sufficiently available. As of April 30, 2013, the Company owed Mr. Moore approximately \$420,000 in principal and interest under the Moore Notes.

## **7. NOTES PAYABLE-OTHER:**

### *JLSI, LLC*

On July 21, 2012, the Company received \$250,000 from JLSI, LLC in return for issuing a promissory note in the principal amount of \$250,000, which bears interest at 33% per annum, compounded annually and which matured on December 31, 2012 ("July 2012 Note"). This note still remains outstanding. The Company has recorded approximately \$37,000 in interest related to this promissory note, through December 31, 2012.

On March 10, 2013 the Company entered into an Exchange Agreement with JLSI, LLC to exchange the July 2012 Note in the principal amount of \$250,000 plus interest of approximately \$37,000 for common stock, par value \$.001 per share. On December 31, 2012 the parties agreed to prepare the Exchange Agreement with a fixed conversion price of \$.03 per share, the market closing price of the Company's common stock on December 31, 2012. The Company issued 9,561,416 shares during the second fiscal quarter of 2013 to settle the note and interest.

## 8. LONG-TERM CONVERTIBLE NOTE

### *Tonaquint Note*

On December 13, 2012, the Company entered into a securities purchase agreement with Tonaquint, Inc., the Tonaquint Purchase Agreement, whereby the Company issued Tonaquint a convertible promissory note for the initial principal sum of \$890,000. The Company refer to this note as the Tonaquint Note. The Tonaquint Note bears interest at a rate of 8% and is due 26 months after its issue date. The Tonaquint Note can currently be converted at any time, from time to time, at the option of the holder, in whole or in part, a fixed price of \$0.16 per share but is subject to adjustment if and whenever on or after six months from the issue date we issue shares of our common stock or other securities convertible into or exchangeable for shares of our common stock below the current conversion price of \$0.16.

On the closing date, Tonaquint (i) funded \$400,000 in cash, (ii) issued a secured mortgage note in the principal amount of \$200,000, which is referred to as Mortgage Note 1, and (iii) issued an additional secured mortgage note in the principal amount of \$200,000, which is referred to as Mortgage Note 2. Mortgage Note 1 bears interest at a rate of 5% and is due on the earlier of (i) 60 days following the maturity date under the Tonaquint Note, and (ii) the later of (A) eight months after the closing date under the Tonaquint Purchase Agreement and (B) satisfaction of certain payment conditions. Mortgage Note 2 bears interest at a rate of 5% and is due on the earlier of (i) 60 days following the maturity date under the Tonaquint Note, and (ii) the later of (A) 10 months after the closing date under the Tonaquint Purchase Agreement and (B) satisfaction of certain payment conditions.

The Company has agreed to make installment payments on the Tonaquint Note beginning six months after closing in cash or in stock. If it chooses to make installment payments in stock, then such stock will be issued at a price per share equal to 80% of the average of the 5 lowest daily closing bid prices for the common stock during the 20 consecutive trading days prior to the installment date (which is adjusted to 70% if the average of the 3 lowest volume weighted average prices during such 20-day period is less than \$0.01 per share). Tonaquint has the right to receive additional shares or our common stock if the market price of the common stock is lower than the price per share of our common stock on the installment date.

On December 13, 2012, The Company also issued Tonaquint a warrant to purchase the number of shares equal to 75% of the principal sum of \$890,000 under the Tonaquint Note divided by market price as of the issue date as defined in the warrant agreement. This warrant expires 5-years from the issue date and provides for a variable exercise price per share as defined in the warrant agreement. On March 14, 2013, The Company issued 21,327,990 shares of our common stock resulting from the partial cashless exercise of the warrant issued to Tonaquint during the three months ended January 31, 2013. Additionally, on March 13, 2013 and March 19, 2013 Tonaquint paid us accelerated payments (including interest income) of \$202,493 and \$202,657 respectively owed to us under Mortgage Note 1 and Mortgage Note 2 described above. Accordingly, we recorded an increase to cash, interest income and short-term

convertible notes received during the second fiscal quarter of 2013. Warrants to purchase up to 10,785,345 shares of our common stock issued to Tonaquint remain outstanding.

## 9. COMMON STOCK WARRANT LIABILITY

### *Warrants*

As of April 30, 2013, there were outstanding warrants to purchase 111,349,846 shares of our common stock with exercise prices ranging from \$0.035 to \$0.17 per share. Information on the outstanding warrants is as follows:

Type	Exercise Price	Amount	Expiration Date	Type of Financing
Exchange warrants - nonexercisable	\$0.15	34,791,156	October 2014	July 2012 Exchanges
Common Stock Purchase Warrant	\$0.15	3,578,949	May 2015	May 2011 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.15	1,453,553	October 2014 - October 2015	Oct 2011 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.15	2,213,234	May 2015 - January 2016	December 2011 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.15	1,666,666	May 2017	May 2012 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.1399-0.17	25,715,046	May 2013-April 2015	Bridge Notes
Common Stock Purchase Warrant	\$0.035	166,667	December 2015	Stock Purchase Agreement
Common Stock Purchase Warrant	\$0.15	46,956	N/A	Vendor & Other
Common Stock Purchase Warrant	\$0.085-0.15	3,735,430	May 2014 – May 2017	Placement Agent – Convertible Debt Financing
Common Stock Purchase Warrant	0.045-0.085	1,636,844	October 2015-August 2017	August – September 2012 Convertible Promissory Notes
Common Stock Purchase Warrant	0.15	10,785,345	December 2014	Tonaquint Promissory Note
	Subtotal:	85,789,846		
Common Stock Purchase Warrant	TBD (1)	25,560,000	April 2014	Preferred Stock Agreement (4/04/2011)
	<b>Grand Total</b>	<b>111,349,846</b>		

During December 2011, the Company unreserved for issuance shares related to the preferred stock warrants. If (1) exercisable, exercise price means an amount per warrant share equal to the closing sale price of a share of common stock on the applicable tranche notice date.

As of October 31, 2012, there were outstanding warrants to purchase 100,322,588 shares of our common stock with exercise prices ranging from \$0.053 to \$0.17 per share. Information on the outstanding warrants is as follows:

Type	Exercise Price	Amount	Expiration Date	Type of Financing
Exchange warrants-nonexercisable	\$0.15	34,791,156	October 2014	July 2012 Warrant Exchanges
Common Stock Purchase Warrant	\$0.15	3,578,949	May 2015	May 2011 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.15	1,453,553	October 2014-October 2015	October 2011 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.15	2,213,234	January 2015-January 2016	December 2011 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.15	2,777,777	May 2017	May 2012 Convertible Debt Financing
Common Stock Purchase Warrant	\$0.1495-0.17	24,754,595	January 2013-April 2015	Bridge Notes
Common Stock Purchase Warrant	\$0.15	46,956	N/A	Vendor & Other
Common Stock Purchase Warrant	\$0.15	3,735,430	May 2014 – May 2017	Placement Agent – Convertible Debt Financing
Common Stock Purchase Warrant	0.0530-0.15	1,410,938	October 2015-August 2017	August – September 2012 Convertible Promissory Notes
	Subtotal:	74,762,588		
Common Stock Purchase Warrant	TBD (1)	25,560,000	April 2014	Preferred Stock Agreement (4/04/2011)
	<b>Grand Total</b>	<b>100,322,588</b>		

During December 2011, the Company unreserved for issuance shares related to the preferred stock warrants. If (1) exercisable, exercise price means an amount per warrant share equal to the closing sale price of a share of common stock on the applicable tranche notice date.

At both April 30, 2013 and October 31, 2012, the Company had approximately 15.2 and 15.1 million of its outstanding warrants, respectively, classified as equity (equity warrants). At issuance, equity warrants are recorded at their relative fair values, using the Relative Fair Value Method, in the shareholders' equity section of the balance sheet. Its equity warrants can only be settled through the issuance of shares and are not subject to anti-dilution provisions.



As of April 30, 2013, the Company had approximately 96.1 million of its total 111.3 million outstanding warrants classified as liability warrants (common stock warrant liability). The fair value of the warrant liability, as of April 30, 2013 was approximately \$2.5 million. At October 31, 2012, the Company had approximately 85.2 million of its total 100.3 million outstanding warrants classified as liability warrants (common stock warrant liability). The fair value of the warrant liability, as of October 31, 2012, was approximately \$0.4 million. In fair valuing the warrant liability, at April 30, 2013 and 2012, the Company used the following inputs in its Black-Scholes Model (BSM Model):

	(Unaudited) April 30, 2013	October 31, 2012
Exercise Price:	\$0.045-0.17	\$0.053-0.17
Stock Price	0.0665	0.045
Expected term:	245-1680 days	81-1736 days
Volatility %	94.01%-147.22 %	66.51%-146.78 %
Risk Free Rate:	0.11%-0.68 %	0.09-.056 %

#### *Warrant Liability*

As of April 30, 2013, the Company had approximately 96.1 million of its total approximately 111.3 million total warrants classified as liabilities (liability warrants). Of these 96.1 million liability warrants, approximately 61.3 million warrants are outstanding and 34.8 million warrants are exchange warrants – nonexercisable. The Company utilizes the BSM Model to calculate the fair value of these warrants at issuance and at each subsequent reporting date. For those warrants with exercise price reset features (anti-dilution provisions), the Company computes multiple valuations, each quarter, using an adjusted BSM model, to account for the various possibilities that could occur due to changes in the inputs to the BSM model as a result of contractually-obligated changes (for example, changes in strike price to account for down-round provisions). The Company effectively weights each calculation based on the likelihood of occurrence to determine the value of the warrants at the reporting date. Approximately 14.0 million of our 110 million liability warrants are subject to anti-dilution provisions. A certain number of liability warrants contain a cash settlement provision in the event of a fundamental transaction (as defined in the common stock purchase warrant). Any changes in the fair value of the warrant liability (i.e. - the total fair value of all outstanding liability warrants at the balance sheet date) between reporting periods will be reported on the statement of operations.

As of April 30, 2013 and October 31, 2012, the fair value of the warrant liability was approximately \$2.5 million and \$434,000, respectively. For the three months ended April 30, 2013 and 2012, the Company reported income of approximately \$5,000 and \$2.3 million, respectively due to changes in the fair value of the warrant liability. For the six months ended April 30, 2013 and 2012, the Company reported expense of approximately \$2.95 million and income of approximately \$3.2 million, respectively, due to changes in the fair value of the warrant liability.

*Exercise of Warrants*

During the six months ended April 30, 2013, an accredited investor exercised 1,111,111 warrants at an exercise price of \$0.085, resulting in net proceeds to the Company of \$94,444. During the six months ended April 30, 2012, investors in the Company exercised 2,745,097 warrants at a price of \$0.15 per share, resulting in total proceeds to the Company of approximately \$412,000.

*Warrants with Anti-Dilution Provisions*

Some of our warrants (approximately 14.3 million) contain anti-dilution provisions originally set at \$0.20 with a term of five years. As of April 30, 2013, these warrants had an exercise price of approximately \$0.13. As of October 31, 2012, these warrants had an exercise price of approximately \$0.15. If the Company issues any common stock, except for exempt issuances as defined in the warrant for consideration less than the exercise price then the exercise price and the amount of warrant shares available would be adjusted to a new price and amount of shares per the “weighted average” formula included in the warrant. The anti-dilution provision requires the Company to issue approximately 111,000 additional warrant shares; and the exercise price to be lowered to a de minimis amount (\$0.1306). Any future financial offering or instrument issuance below the current exercise price will cause further anti-dilution and re-pricing provisions in approximately 14.0 million of our total outstanding warrants.

For those warrants with exercise price reset features (anti-dilution provisions), the Company computes multiple valuations, each quarter, using an adjusted BSM model, to account for the various possibilities that could occur due to changes in the inputs to the BSM model as a result of contractually-obligated changes (for example, changes in strike price to account for down-round provisions). The Company utilized different exercise prices of \$0.1306 and \$0.10, weighting the possibility of warrants being exercised at \$0.1306 between 40% and 50% and warrants being exercised at \$0.10 between 60% and 50%.

As of April 30, 2013, there were outstanding warrants to purchase 76,558,690 shares of our common stock and exchange warrants - nonexercisable to purchase 34,791,156 shares of our common stock with exercise prices ranging from \$0.035 to \$0.17 per share.

**10. STOCK OPTIONS:**

The Company has one active stock and cash-based incentive plan, the 2011 Omnibus Incentive Plan, which we refer to as the Incentive Plan, pursuant to which the Company has granted stock options to executive officers, directors, employees and consultants. The Incentive Plan was adopted on August 22, 2011 and approved by the shareholders on September 27, 2011. An aggregate of 20,000,000 shares of our common stock (subject to adjustment by the compensation committee) are reserved and available for delivery under the Incentive Plan. On August 13, 2012, at our annual meeting, shareholders ratified and approved an amendment to our Incentive Plan to increase the aggregate number of shares of common stock authorized for issuance under such plan to 65,000,000. As of April 30, 2013, the Company had granted 32,945,000 options to employees, directors and consultants, at exercise prices ranging from \$0.075 to \$0.15.

The Incentive Plan supersedes all of the Company's previous stock option plans, which include the 2004 Stock Option Plan, the 2005 Stock Option Plan and the 2009 Stock Option plan under which the Company had options to purchase 2,381,525, 5,444,000 and 19,341,899 shares of common stock. The terms and conditions of the options outstanding under these plans remain unchanged. As of April 30, 2013, the Company had outstanding options of 60,112,424.

Total compensation cost for our stock plans recognized in the statement of operations for the three months ended April 30, 2013 was approximately \$1.9 million, of which approximately \$805,000 was included in research and development expenses and approximately \$1.1million was included in general and administrative expenses. For the three months ended April 30, 2012, total compensation cost for our stock plans recognized in the statement of operations was approximately \$287,000 of which approximately \$134,000 was included in research and development expenses and approximately \$153,000 was included in general and administrative expenses. For the six months ended April 30, 2013, total compensation cost for our stock plans recognized in the statement of operations was approximately \$2.3 million of which approximately \$915,000 was included in research and development and approximately \$1.4 million was included in general and administrative expenses. For the six months ended April 30, 2012, total compensation cost for our stock plans recognized in the statement of operations was approximately \$588,000 of which approximately \$270,000 was included in research and development and approximately \$318,000 was included in general and administrative expenses

The fair value of options granted for the six months ended April 30, 2013 and 2012 amounted to \$1,582,500 and \$2,539,792, respectively.

As of April 30, 2013, there was approximately \$1,784,000 of unrecognized compensation cost related to non-vested stock option awards, which is expected to be recognized over a remaining average vesting period of 1.75 years.

A summary of changes in the stock option plan for six months ended April 30, 2013 is as follows:

	Number of Options	Weighted-Average Exercise Price
Outstanding at October 31, 2012:	44,807,424	\$ 0.16
Granted	15,825,000	\$ 0.075
Exercised	-	—
Expired	(520,000 )	0.15
Outstanding at April 30, 2013	60,112,424	\$ 0.14
Vested and Exercisable at April 30, 2013	42,435,812	\$ 0.14

### 2011 Employee Stock Purchase Plan

Our board of directors adopted the Advaxis, Inc. 2011 Employee Stock Purchase Plan, which we refer to as the ESPP, on August 22, 2011, and our shareholders approved the ESPP on September 27, 2011. The ESPP allows employees to purchase common stock of the Company at an 85% discount to the market price on designated exercise dates. Employees were eligible to participate in the ESPP beginning December 30, 2011. 5,000,000 shares of our common stock are reserved for issuance under the ESPP.

During the six months ended April 30, 2013, approximately \$15,548 was withheld from employees, on an after-tax basis, in order to purchase approximately 369,000 shares of our common stock in February and May 2013. During the six months ended April 30, 2012, approximately \$9,765 was withheld from employees, on an after-tax basis, in order to purchase 84,259 shares of our common stock during the six months ended April 2012.

## 11. COMMITMENTS AND CONTINGENCIES

### *Brio Claim*

On March 22, 2013, we were notified that a lawsuit against Advaxis had been filed by Brio Capital L.P., which we refer to as Brio, in the Supreme Court of the State of New York, County of New York, titled Brio Capital L.P. v. Advaxis Inc., Case No. 651029/2013, which we refer to as the Action. The complaint in the Action alleges, among other things, that Advaxis breached the terms of certain warrants to purchase shares of our common stock that we originally issued to Brio on October 17, 2007 and on June 18, 2009, each at an initial exercise price of \$0.20 per share, and that Brio has suffered damages as a result thereof. Brio's complaint seeks (i) a preliminary and permanent injunction directing us to issue to Brio 2,717,777 shares of our common stock, along with the necessary corporate

resolutions and legal opinions to enable Brio to sell such common stock publicly without restriction; and (ii) damages of at least \$500,000 (in an amount to be determined at trial), along with interest, costs and attorneys' fees related to the Action. On April 15, 2013, in partial settlement of the Brio lawsuit, we issued 2,717,777 shares of common stock and provided certain corporate resolutions and legal opinions necessary to enable Brio Capital L.P. to sell such common stock publicly without restriction. The Company believes the remaining claims under the Action are entirely without merit, and it intends to vigorously defend itself against the Action.

*University of Pennsylvania*

On May 10, 2010, The Company entered into a second amendment to the Penn license agreement pursuant to which we acquired exclusive licenses for an additional 27 patent applications related to our proprietary *Listeria* vaccine technology. As part of this amendment the Company exercised its option for the rights to seven additional patent dockets, including 23 additional patent applications, at an option exercise fee payable in the form of \$35,000 in cash and \$70,000 in our common stock (approximately 388,889 shares of our common stock based on a price of \$0.18 per share) and agreed to pay historical patent costs incurred by Penn at a cost of approximately \$462,000. As of April 30, 2013, the Company owed Penn approximately \$592,000 under all licensing agreements.

*Numoda*

On June 19, 2009 we entered into a Master Agreement and on July 8, 2009 we entered into a Project Agreement with Numoda Corporation, which we refer to as Numoda, a leading clinical trial and logistics management company, to oversee Phase II clinical activity with ADXS11-001 for the treatment of invasive cervical cancer and CIN. Numoda will be responsible globally for integrating oversight and logistical functions with the clinical research organizations, contract laboratories, academic laboratories and statistical groups involved. The scope of this agreement covers over three years and is estimated to cost approximately \$12.2 million for both trials. Pursuant to the Master Agreement, the Company is permitted to pay a portion of outstanding charges to Numoda in the form of the Company's common stock and during May 2010, the Company issued 3,500,000 shares of its common stock to an affiliate of Numoda in satisfaction of \$350,000 in services rendered by Numoda to the Company under the Master Agreement. The Company has recorded deferred expenses on the balance sheet for this amount and amortizes this amount to expense over the life of the agreement. As the Company is billed by Numoda on a monthly basis, these costs are capitalized to deferred expenses. As the clinical trials progress in terms of patient enrollment and time, the Company reduces the deferred expense balance and recognizes clinical trials expense on the statement of operations. From inception through April 30, 2013, the Company has paid Numoda approximately \$7.6 million.

As of April 30, 2013, the Company owed Numoda approximately \$586,000, which is recorded in our Accounts Payable.

*Numoda- Socius Stock Issuance*

On July 24, 2012, the Circuit Court of the 11th Judicial Circuit in and for Miami-Dade County, Florida entered an Order Approving Stipulation for Settlement of Claim, which the Company refers to as the Order, in the matter titled Socius CG II, Ltd. v. Advaxis, Inc. The Order, together with the Stipulation for Settlement Claim, which the Company refers to as the Stipulation, provide for the full and final settlement of Socius's \$2,888,860 claim against the Company (\$1.8 million claim from Numoda plus approximately \$1 million in transaction related costs) in connection with past due invoices relating to clinical trial services, which the Company refers to as the Claim. Socius purchased approximately \$1.8 million of the Claim against us from Numoda Corporation.

Pursuant to the terms of the Order and the Stipulation, the Company issued and delivered to Socius an aggregate of 24,681,069 shares of our common stock for the entire Claim, which are subject to adjustment as described in the Stipulation. During the three and six months ended April 30, 2013, the Company recorded non-cash income of approximately \$0 and \$615,000 related to the issuance of stock to Socius in settlement of the Claim.

*Separation Agreement*

On March 6, 2013, the Company announced the departure of Dr. John Rothman, the Company's Executive Vice President of Clinical and Scientific Operations, effective March 1, 2013. On March 20, 2013, the Company entered into a Separation Agreement and General Release with Dr. Rothman, pursuant to which Dr. Rothman released the Company from all claims and agreed to continue to assist the Company as a consultant until February 28, 2014 in exchange for (i) being compensated on an hourly basis for certain project assignments as requested by the Company, (ii) receiving an aggregate of approximately \$275,000, paid in installments over the course of the one year consulting period, and (iii) all of the options to purchase shares of our common stock held by Dr. Rothman being fully vested with the exercise period of such options being extended until March 1, 2015.

#### *Office & Laboratory Lease*

In April 2011, the Company entered into a Sublease Agreement and relocated the current offices and laboratory to an approximately 10,000 square foot leased facility in Princeton, NJ which approximates \$21,000 per month plus utilities. Utility costs are estimated to be approximately \$7,200 per month and are capped at approximately \$10,700 per month. The Company made an initial payment of approximately \$54,000 prior to entering the new facility. Approximately \$38,000 of the initial \$54,000 payment was for the security deposit and was recorded on the balance sheet as a long-term asset. The Sublease Agreement has a termination date of November 29, 2015. The Company expects its annual lease costs to approximate \$337,000 per year (approximately \$1.02 million in the aggregate) until the termination of this agreement in November 2015.

On March 13, 2013, the Company entered into a modification of the Sublease Agreement whereby all unpaid accrued lease amounts and future lease amounts through June 30, 2013, which the Company estimated to be approximately \$450,000, would be satisfied by a payment in total of \$200,000, with \$100,000 paid on March 13, 2013 and \$100,000 payable upon the consummation of a future capital raising transaction by the Company. In addition, lease payments for the period July 1, 2013 through November 30, 2015 will be reduced to a total of \$20,000 per month.



*Other*

Pursuant to a Clinical Research Service Agreement, executed in April 2005, the Company is obligated to pay Pharm-Olam International for service fees related to our Phase I clinical trial. As of April 30, 2013, the Company has an outstanding balance of \$223,620 on this agreement.

*Sale of Net Operating Losses (NOLs)*

The Company may be eligible, from time to time, to receive cash from the sale of our Net Operating Losses under the State of New Jersey NOL Transfer Program. In December 2012, the Company received notification that it will receive a net cash amount of approximately \$725,000 from the sale of our state NOLs and R&D tax credits for the periods ended October 31, 2010 and 2011. These proceeds were received in January 2013.

## **12. SHAREHOLDERS' EQUITY**

*Equity Enhancement Program*

On October 26, 2012, we entered into a Common Stock Purchase Agreement, which we refer to as the Hanover Purchase Agreement, with Hanover, which requires Hanover to purchase up to \$10.0 million of shares of our common stock over the 24-month term following the effectiveness of the resale registration statement. The purchase price for such shares of common stock will be the higher of (i) the minimum price, which we refer to as the Floor Price, set forth in our notice electing to effect such issuance, and (ii) 90% of the arithmetic average of the five lowest closing sale prices of the common stock during the applicable ten trading day pricing period (or, if less, the arithmetic average of all trading days with closing sale prices in excess of the Floor Price), subject to adjustment. Each trading day with a closing sale price less than the Floor Price is excluded from the calculation of the purchase price and automatically reduces the number of trading days in the applicable pricing period.

In consideration for Hanover's execution and delivery of the Hanover Purchase Agreement, in connection with the execution and delivery of the Hanover Purchase Agreement, we have issued Hanover 3,500,000 Commitment Fee Shares in November 2012. The Company recognized non-cash expense of approximately \$157,000 related to the issuance of the Commitment Fee Shares in the current period. We have also agreed to issue Hanover additional Maintenance Fee Shares of our common stock in the event that no shares of common stock have been purchased or sold pursuant to the Hanover Purchase Agreement during any calendar quarter during the 24 month term per the terms of the Hanover Purchase Agreement.

The Hanover Purchase Agreement provides for indemnification of Hanover and its affiliates in the event that we breach any of our representations and warranties under the Hanover Purchase Agreement.

In connection with the Hanover Purchase Agreement, on October 26, 2012, we entered into a registration rights agreement, which we refer to as the Hanover Registration Rights Agreement, with Hanover, and granted to Hanover certain registration rights related to the Commitment Fee Shares, the Maintenance Fee Shares, and the shares issuable under the Hanover Purchase Agreement. Under the Hanover Registration Rights Agreement, we filed with the SEC a registration statement for the purpose of registering the resale of the common stock issued to Hanover.

During the six months ended April 30, 2013, the Company sold 43,190,514 shares of our common stock for proceeds totaling \$2,910,684.

#### *Ironridge Settlement*

On December 20, 2012, the Superior Court of the State of California for the County of Los Angeles Central District entered an Order for Approval of Stipulation for Settlement of Claims, which we refer to as the Order, in the matter titled Ironridge Global IV, Ltd. vs. Advaxis, Inc. The Order, together with the Stipulation for Settlement of Claims, which we refer to as the Stipulation, dated December 19, 2012, between us and Ironridge Global IV, Ltd., which we refer to as Ironridge, provides for full and final settlement of Ironridge's \$692,761 claim against us in connection with past due invoices relating to attorney fees, which Ironridge purchased pursuant to a Receivable Purchase Agreement, dated December 14, 2012, which we refer to as the Claim. Pursuant to the terms of the Order and the Stipulation, we are obligated to issue 33,389,663 shares of our common stock to settle the \$692,761 owed. On December 21, 2012, we issued and delivered to Ironridge 45,000,000 shares of our common stock, par value \$0.001 per share. Accordingly, Ironridge returned 11,610,337 shares of our common stock on January 30, 2013.

*Series B Preferred Stock Financing*

On July 19, 2010, the Company entered into a Series B Preferred Stock Purchase Agreement with Optimus (the “Series B Purchase Agreement”), pursuant to which Optimus agreed to purchase, upon the terms and subject to the conditions set forth therein and described below, up to \$7.5 million of the Company’s newly authorized, non-convertible, redeemable Series B preferred stock (“Series B Preferred Stock”) at a price of \$10,000 per share. Under the terms of the Series B Purchase Agreement, subject to the Company’s ability to maintain an effective registration statement for the Warrant Shares (as defined below), the Company may from time to time until July 19, 2013, present Optimus with a notice to purchase a specified amount of Series B Preferred Stock. Subject to satisfaction of certain closing conditions, Optimus is obligated to purchase such shares of Series B Preferred Stock on the 10th trading day after the date of the notice. The Company will determine, in its sole discretion, the timing and amount of Series B Preferred Stock to be purchased by Optimus, and may sell such shares in multiple tranches. Optimus will not be obligated to purchase the Series B Preferred Stock upon the Company’s notice (i) in the event the average closing sale price of the Company’s common stock during the nine trading days following delivery of such notice falls below 75% of the closing sale price of the Company’s common stock on the trading day prior to the date such notice is delivered to Optimus, or (ii) to the extent such purchase would result in the Company and its affiliates beneficially owning more than 9.99% of the Company’s outstanding common stock. The Series B Preferred Stock is only redeemable at the option of the Company as set forth in the Company’s Certificate of Designations of Preferences, Rights and Limitations of Series B Preferred Stock and not otherwise subject to redemption or repurchase by the Company in any circumstances.

Pursuant to the Series B Purchase Agreement, on July 19, 2010, the Company issued to an affiliate of Optimus a three-year warrant to purchase up to 40,500,000 shares of the Company’s common stock (the “Warrant Shares”), at an initial exercise price of \$0.25 per share, subject to adjustment as described below. The warrant consists of and is exercisable in tranches, with a separate tranche being created upon each delivery of a tranche notice under the Series B Purchase Agreement. On each tranche notice date, that portion of the warrant equal to 135% of the tranche amount will vest and become exercisable, and such vested portion may be exercised at any time during the exercise period on or after such tranche notice date. On and after the first tranche notice date and each subsequent tranche notice date, the exercise price of the warrant will be adjusted to the closing sale price of a share of the Company’s common stock on the applicable tranche notice date. The exercise price of the warrant may be paid (at the option of the affiliate of Optimus) in cash or by its issuance of a four-year, full-recourse promissory note, bearing interest at 2% per annum, and secured by a specified portfolio of assets. However, such promissory note is not due or payable at any time that (a) the Company is in default of any preferred stock purchase agreement for Series B Preferred Stock or any warrant issued pursuant thereto, any loan agreement or other material agreement or (b) there are any shares of the Series B Preferred Stock issued or outstanding. In addition, the Company redeemed two hundred twenty-six (226) shares of Series B Preferred Stock held by the Investor for an aggregate redemption price of \$3,141,004 consisting of (i) cash in an amount of \$76,622 and (ii) cancellation of certain promissory notes issued by an affiliate of the Investor to the Company in the aggregate amount of \$3,051,000 and accrued interest of approximately \$13,382. This resulted in a net promissory note receivable of \$9,998,210 as of October 31, 2011. The Company also recorded \$48,758, \$99,160 and \$485,812 in accrued interest on the promissory notes through the three and six months ended April 30, 2013 and the twelve months ended October 31, 2012, respectively. The value of the Promissory Note and Interest Receivable was \$10,583,182 and \$10,484,022 as of April 30, 2013 and October 31, 2012, respectively. The promissory bears interest at 2 % per annum which is credited directly to capital.

On April 4, 2011, the Company and Optimus entered into an amendment to the Preferred Stock Purchase Agreement dated July 19, 2010 between the Company and Optimus. Under the amendment, Optimus remains obligated, from time to time until July 19, 2013, to purchase up to an additional 284 shares of non-convertible, redeemable Series B Preferred Stock, \$0.001 par value per share at a purchase price of \$10,000 per share upon notice from the Company to the Investor, subject to the satisfaction of certain conditions set forth in the Purchase Agreement.

In order to satisfy certain conditions set forth in the Preferred Stock Purchase Agreement that would allow the Company to require the Investor to purchase the remaining shares of Series B Preferred Stock under the Preferred Stock Purchase Agreement, the Amendment provides that, among other things, the Company will issue to the Holder a three-year warrant (the “ Additional Warrant ”) to purchase up to an additional 25,560,000 shares of the Company’s common stock, at an initial exercise price of \$0.15 per share, subject to adjustment as described below. The Additional Warrant will become exercisable on the earlier of (i) the date on which a registration statement registering for resale the shares of the Company’s common stock issuable upon exercise of the Additional Warrant (the “ Warrant Shares ”) becomes effective and (ii) the first date on which such Warrant Shares are eligible for resale without limitation under Rule 144 (assuming a cashless exercise of the Additional Warrant). The Additional Warrant consists of and is exercisable in tranches, with a separate tranche being created upon each delivery of a tranche notice under the Preferred Stock Purchase Agreement. On each tranche notice date, that portion of the Additional Warrant equal to 135% of the tranche amount will vest and become exercisable, and such vested portion may be exercised at any time during the exercise period on or after such tranche notice date. On and after the first tranche notice date and each subsequent tranche notice date, the exercise price of the Additional Warrant will be adjusted to the closing sale price of a share of the Company’s common stock on the applicable tranche notice date. The exercise price of the Additional Warrant may be paid (at the option of the Investor) in cash or by the Investor’s issuance of a four-year, full-recourse promissory note (each, a “ Promissory Note ”), bearing interest at 2% per annum, and secured by specified portfolio of assets. However, no Promissory Note will be due or payable at any time that (a) the Company is in default of any preferred stock purchase agreement for Series B Preferred Stock or any warrant issued pursuant thereto, any loan agreement or other material agreement or (b) there are any shares of the Company’s Series B Preferred Stock issued or outstanding. The Additional Warrant also provides for cashless exercise in certain circumstances. If a “ Funding Default ” (as such term is defined in the Additional Warrant) occurs and the Additional Warrant has not previously been exercised in full, the Company has the right to demand surrender of the Additional Warrant (or any remaining portion thereof) without compensation, and the Additional Warrant will automatically be cancelled.

Holders of Series B preferred stock will be entitled to receive dividends, which will accrue in shares of Series B preferred stock on an annual basis at a rate equal to 10% per annum from the issuance date. Accrued dividends will be payable upon redemption of the Series B preferred stock or upon the liquidation, dissolution or winding up of our company. In the event the company redeems all or a portion of any shares of the Series B Preferred Stock then held by Optimus, Optimus shall apply, and the Company may offset, the proceeds of any such redemption to pay down the accrued interest and outstanding principal of the Promissory Note from Optimus.

As of April 30, 2013, the Series B preferred stock had a liquidation preference of \$10,092,570 comprised of \$10,000 per share plus the total of the cumulative accrued dividends in the amount of \$2,692,570. At October 31, 2012 the Series B preferred stock had a liquidation preference of \$9,722,570 comprised of \$10,000 per share plus the total of the cumulative accrued dividends in the amount of \$2,322,570. During the three and six months ended April 30, 2013 and 2012 and the period from March 1, 2002 (date of inception) to April 30, 2013, the Company accrued dividends of \$185,000, \$370,000 and \$2,692,570 respectively.

On April 4, 2011, the Company and the Holder also entered into an Amended and Restated Security Agreement to ensure that any Promissory Note issued upon exercise of the Additional Warrant will be entitled to the benefits of the security and collateral provisions of the Security Agreement dated as of July 19, 2010.

During the six months ended April 30, 2013 and 2012, the Company did not sell any preferred shares to Optimus.

As of both April 30, 2013 and October 31, 2012, the Company continued to have 284 shares of its Series B Preferred Stock available for sale to Optimus at a gross purchase price of \$10,000.

### **13. FAIR VALUE**

The authoritative guidance for fair value measurements defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or the most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Market participants are buyers and sellers in the principal market that are (i) independent, (ii) knowledgeable, (iii) able to transact, and (iv) willing to transact. The guidance describes a fair value hierarchy based on the levels of inputs, of which the first two are considered observable and the last unobservable, that may be used to measure fair value which are the following:

- Level 1 — Quoted prices in active markets for identical assets or liabilities
  
- Level 2— Inputs other than Level 1 that are observable, either directly or indirectly, such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or corroborated by observable market data or substantially the full term of the assets or liabilities
  
- Level 3 — Unobservable inputs that are supported by little or no market activity and that are significant to the value of the assets or liabilities

The following table provides the liabilities carried at fair value measured on a recurring basis as of April 30, 2013:

April 30, 2013	Level 1	Level 2	Level 3	Total
Common stock warrant liability, warrants exercisable at \$0.045 - \$0.17 from May 2013 through August 2017	\$ -	\$	\$2,533,103	\$2,533,103
April 30, 2013				
Short term Convertible Notes Payable at fair value				
May 2012 Notes	\$ -	\$	\$779,899	\$779,899
Asher Notes –November 2012			224,915	224,915
Patton Note			173,310	173,311
JMJ Financial			761,453	761,453
Short-term convertible Notes Payable at fair value			1,939,577	\$1,939,577
October 31, 2012	Level 1	Level 2	Level 3	Total
Common stock warrant liability, warrants exercisable at \$0.053 - \$0.17 from October 2012 through August 2017	\$ -	\$	\$434,136	\$434,136
Embedded Derivative Liability			-	-
October 31, 2012				
Short term Convertible Notes Payable				
May 2012 Notes	\$ -	\$	\$588,313	\$588,313
Hanover PIPE Notes – September & October 2012			362,791	362,791
Magna Exchange Note			333,086	333,086
Asher Note			150,687	150,687
French, Patton & Paterson Notes			208,664	208,664
Short-term convertible Notes and FV of Embedded Derivative			\$1,643,541	\$1,643,541





**Common stock warrant liability:**

	April 30, 2013 (Unaudited)
Beginning balance: October 31, 2012	\$ 434,136
Issuance of common stock warrants	1,460,867
Reclassification of warrant liability to equity	-
Exercise of warrants	(795,411 )
Issuance of additional warrants due to anti-dilution provisions	24,467
Change in fair value	1,409,044
Balance at April 30, 2013	\$ 2,533,103

**Convertible notes at fair value:**

	April 30, 2013 (Unaudited)
Beginning balance – October 31, 2012	1,643,541
Issuance of note	553,500
Transfer-out	(1,330,683 )
Change in Fair Value of Note	1,073,219
Ending balance – April 30, 2013	1,939,577

**14. SUBSEQUENT EVENTS**

Subsequent events have been evaluated through the date that the financial statements were issued. All appropriate subsequent event disclosures, if any, have been made in the notes to the financial statements.

During the period May 1, 2013 through June 12, 2013, certain May 2012 note-holders converted \$395,000 in principal into 15,620,674 shares of the Company's common stock at a conversion rate of \$0.0253. The May 2012 Notes mature on May 18, 2013. Currently, there is only one May 2012 Note outstanding, with a remaining principal amount of \$83,333. The Company anticipates that this remaining principal will be converted into shares of its common stock in the next fiscal quarter.

During the period May 1, 2013 to June 12, 2013, Asher converted \$159,640 in principal and interest on its November 2012 Note into 5,520,080 shares of common stock at conversion rates ranging from \$0.0274 to \$0.0312. As of June 3,

2013, the Asher November 2012 Note was no longer outstanding as it had been converted in full.

During the period May 1, 2013 through June 12, 2013, the Company issued 246,140 shares of common stock to a consultant to settle an amount due of \$12,307 for services previously rendered.

On May 1, 2013, the Company issued 450,000 shares of common stock to a consultant to settle an amount due of \$15,000 for services previously rendered.

On May 1, 2013, the Company issued 161,332 shares of its common stock to employees under the Employee Stock Purchase Plan (ESPP). Approximately \$6,779 was withheld from these employees, in the three months ended April 30, 2013, in order to purchase these shares.

On May 14, 2013, the Company issued 400,000 shares of its common stock to Hanover Holdings in connection with the settlement of a draw down pursuant to the Hanover Purchase Agreement, at a price of approximately \$0.0599 per share. The per share price for such shares was established under the terms of the Hanover Purchase Agreement. The Company received total net proceeds of \$23,940 in connection with this draw down.

On May 1, 2013, in a private placement pursuant to a Note Purchase Agreement, the Company issued Asher a convertible promissory note in the aggregate principal amount of \$203,500, for a purchase price of \$203,500, which it refers to as the Third Asher Note. The Third Asher Note bears interest at a rate of 8%, which interest accrues, but does not become payable until maturity or acceleration of the principal of the Third Asher Note. The Third Asher Note is convertible into shares of the Company's common stock at a conversion price equal to 65% of the arithmetic average of the five lowest closing trading prices for the common stock during the 10 trading day period ending on the latest complete trading day prior to the applicable conversion date. The Third Asher Note matures on February 3, 2014, nine months from its issuance date. The Third Asher Note may be converted by Asher, at its option, in whole or in part. The Third Asher Note includes a limitation on conversion, which provides that at no time will Asher be entitled to convert any portion of the Third Asher Note, to the extent that after such conversion, Asher (together with its affiliates) would beneficially own more than 4.99% of the outstanding shares of the common stock as of such date.

On May 15, 2013, we filed a Registration Statement on Form S-1 for the sale of up to \$23 million of our common stock and warrants. Prior to any such offering, we intend to effect a reverse stock split of our outstanding common stock and uplist to a national market. However, the reverse stock split may not increase our stock price sufficiently and we may not be able to list our common stock and warrants on a national market, such as The NASDAQ Capital market. There can be no assurance that we will be successful in raising such funds or uplisting to any national market.



## ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

### *Cautionary Note Regarding Forward Looking Statements*

We have included in this Quarterly Report certain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 concerning our business, operations and financial condition.

"Forward-looking statements" consist of all non-historical information, and the analysis of historical information, including the references in this Quarterly Report to future revenues, collaborative agreements, future expense growth, future credit exposure, earnings before interest, taxes, depreciation and amortization, future profitability, anticipated cash resources, anticipated capital expenditures, capital requirements, and our plans for future periods. In addition, the words "could", "expects", "anticipates", "objective", "plan", "may affect", "may depend", "believes", "estimates", "projects" and words and phrases are also intended to identify such forward-looking statements.

Actual results could differ materially from those projected in our forward-looking statements due to numerous known and unknown risks and uncertainties. These include, among other things, our ability to raise capital, unanticipated technological difficulties, the length, scope and outcome of our clinical trials, costs related to intellectual property, cost of manufacturing and higher consulting costs, product demand, changes in domestic and foreign economic, market and regulatory conditions, the inherent uncertainty of financial estimates and projections, the uncertainties involved in certain legal proceedings, instabilities arising from terrorist actions and responses thereto, and other considerations described as "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended October 31, 2012 and in our other filings with the SEC. Such factors may also cause substantial volatility in the market price of our common stock. All such forward-looking statements are current only as of the date on which such statements were made. We do not undertake any obligation to publicly update any forward-looking statement to reflect events or circumstances after the date on which any such statement is made or to reflect the occurrence of unanticipated events.

### **Overview**

We are a clinical development stage biotechnology company with the intent to develop safe and effective immunotherapies for cancer and infectious diseases. These immunotherapies are based on a platform technology under exclusive license from the University of Pennsylvania, or Penn, that utilizes live attenuated *Lm* bioengineered to secrete antigen/adjuvant fusion proteins. These *Lm* strains use a fragment of the protein listeriolysin, or LLO, fused to a tumor associated antigen, or TAA, or other antigen of interest which we refer to these as *Lm* -LLO immunotherapies. We believe these *Lm* -LLO agents redirect the potent immune response to *Lm* which is inherent in humans, to the TAA or antigen of interest. *Lm* -LLO based immunotherapies stimulate the immune system to induce antigen-specific anti-tumor immune responses involving both innate and adaptive arms of the immune system. In addition, this technology facilitates the immune response by altering the microenvironment of tumors to make them more susceptible to immune attack.

Our lead construct, ADXS-HPV, is being evaluated in four ongoing clinical trials for human papillomavirus, or HPV, -associated diseases as follows: recurrent/refractory cervical cancer (India), locally advanced cervical cancer (with the Gynecologic Oncology Group (GOG), largely underwritten by the National Cancer Institute (NCI));, head and neck cancer (with the Cancer Research, United Kingdom (CRUK), (UK)) and anal cancer (Brown University, Oncology Group (BrUOG), U.S.). In addition, we have developed immunotherapies for prostate cancer and HER2 overexpressing cancers (such as breast, gastric and other cancers in humans and osteosarcoma in canines). Over fifteen distinct constructs are in various stages of development, developed directly by us and through strategic collaborations with recognized centers of excellence.

We have no customers. Since our inception in 2002, we have focused our development efforts on understanding our technology and establishing a drug development pipeline that incorporates this technology into therapeutic immunotherapies, currently those targeting HPV-associated diseases (cervical cancer, CIN 2/3, head and neck cancer and anal cancer), prostate cancer, and HER2 overexpressing cancers. Although no immunotherapies have been commercialized to date, research and development and investment continues to be placed behind the pipeline and the advancement of this technology. Pipeline development and the further exploration of the technology for advancement entail risk and expense. We anticipate that our ongoing operational costs will increase significantly as we continue conducting our clinical development program.

If we fail to raise a significant amount of capital, we may need to significantly curtail operations or cease operations in the near future. Any sale of our common stock or issuance of rights to acquire our common stock below \$0.025287 per share (as may be further adjusted) with respect to certain of our outstanding debt instruments or \$0.1306 per share (as may be further adjusted) with respect to certain of our outstanding warrants will trigger significant dilution due to the anti-dilution protection provisions contained therein.

We have sustained losses from operations in each fiscal year since our inception, and we expect these losses to continue for the indefinite future, due to the substantial investment in research and development. As of April 30, 2013 and October 31, 2012, we had an accumulated deficit of \$58,586,279 and \$47,601,427, respectively and stockholders' deficiency of \$6,292,732 and \$5,962,724, respectively. Our projected annual staff, overhead, laboratory and nonclinical expenses are estimated to be approximately \$4.1 million for the current fiscal year ended October 31, 2013. We expect to incur significant additional costs. The timing and estimated costs of these projects are difficult to predict. We may attempt to accelerate the timing of the required financing and, conversely, if the trial or trials are not successful we may slow our spending and defer the timing of additional financing. While we will attempt to attract a corporate partnership and grants, we have not assumed the receipt of any additional financial resources in our cash planning.

To date, we have outsourced many functions of drug development including manufacturing and clinical trial management. Accordingly, the expenses of these outsourced services account for a significant amount of our accumulated loss. We cannot predict when, if ever, any of our immunotherapies will become commercially viable or approved by the U.S. Food and Drug Administration, or FDA. We expect to spend substantial additional sums on the continued research and development of proprietary products and technologies, including conducting clinical trials for our immunotherapies, with no certainty that our immunotherapies will become commercially viable or profitable as a result of these expenditures.

## **Recent Developments**

We are seeking stockholder approval of two proposals at our Annual Meeting of Stockholders scheduled for June 14, 2013 related to our authorized share capital. One proposal seeks stockholder approval of reverse stock split at a ratio ranging from 1-for-70 to 1-for-125 of all the issued and outstanding shares of our common stock, the final ratio to be determined at the discretion of the Board of Directors. The other proposal seeks stockholder approval to decrease our authorized share capital from 1,005,000,000 consisting of 1,000,000,000 shares of common stock and 5,000,000 shares of "blank check" preferred stock to 30,000,000 consisting of 25,000,000 shares of common stock and 5,000,000 shares of "blank check" preferred stock. Our Board does not intend to decrease our authorized share capital until after it effects the reverse stock split.

## **ReSULTS OF OPERATIONS FOR THE THREE MONTHS ENDED APRIL 30, 2013 AND 2012**

### *Revenue*

We did not record any revenue for the three months ended April 30, 2013 and 2012.

*Research and Development Expenses*

Research and development expenses decreased by approximately \$103,000 to approximately \$2,113,000 for the three months ended April 30, 2013 as compared with approximately \$2,216,000 for the same period a year ago. This is primarily attributable to decreased clinical trial expenses due to the near completion of dosing patients in our India trial and less clinical trial activity as compared to the same period a year ago. In addition, overall compensation decreased in the current period resulting from fewer employees when compared with the same period a year ago.

We anticipate a significant increase in research and development expenses as a result of our intended expanded development and commercialization efforts primarily related to clinical trials and product development. In addition, we expect to incur expenses in the development of strategic and other relationships required to license manufacture and distribute our product candidates when they are approved.

*General and Administrative Expenses*

General and administrative expenses increased by approximately \$2,350,000 to approximately \$3,364,000 for the three months ended April 30, 2013 as compared with approximately \$1,014,000 for the same period a year ago. This was primarily due to higher stock-based compensation expense for options and shares granted to employees and directors as compared to the prior year period as well as severance costs related to a former employee. In addition, a portion of the increase is attributable to increased legal fees in the current period as compared to the prior year period.

*Interest Expense*

For the three months ended April 30, 2013, interest expense decreased significantly to approximately \$96,000 from \$1,580,000 in the same period a year ago, which decrease is largely a result of the significant reduction in overall debt from approximately \$5.5 million in outstanding principal at April 30, 2012 to approximately \$2.2 million in outstanding principal at April 30, 2013. These reductions included the May 2012 exchange of approximately \$4.5 million aggregate principal value of convertible promissory notes for shares of our common stock and warrants and the conversion of approximately \$4.3 million aggregate principal value of various convertible promissory notes into shares of our common stock during 2012.

*Other Income/(Expense)*

Other income was approximately \$21,300 for the three months ended April 30, 2013. During the current period, we recorded approximately \$16,200 in income as a result of favorable changes in foreign exchange rates relating to transactions with certain vendors. In addition, we recorded approximately \$5,100 in interest income from payments made to us under the terms of a convertible promissory note.

Other expense was approximately \$6,400 for the three months ended April 30, 2012 as a result of unfavorable changes in foreign exchange rates relating to transactions with certain vendors.

*(Loss) Gain on Note Retirement and Accounts Payable*

For the three months ended April 30, 2013, we recorded non-cash income of approximately \$195,000 primarily resulting from the settlement of outstanding payables at a discount.

For the three months ended April 30, 2012, we recorded a non-cash charge to income of approximately \$543,000 mainly resulting from the exchange of a convertible note by an accredited investor in addition to the conversion of notes into shares of our common stock by investors.

*Changes in Fair Values*



For the three months ended April 30, 2013, we recorded non-cash income from changes in the fair value of the warrant liability of approximately \$80,000. In the current period, the increase in income resulted from a decrease in the fair value of each liability warrant due to a decrease in our share price from \$0.072, at January 31, 2013 to \$0.066 at April 30, 2013 in addition to a decrease in overall volatility used in calculating the Black-Scholes value of each liability warrant.

For the three months ended April 30, 2012, we recorded income from changes in the fair value of the warrant liability and embedded derivative liability of approximately \$2.8 million. In the second quarter of 2012, we recorded income of approximately \$2.3 million resulting from a decrease in the Black-Scholes value of each liability warrant due to a smaller range of share prices used in the calculation of the BSM Model volatility input in addition to a slight decrease in our share price over the three months ended April 30, 2012.

Potential future increases or decreases in our stock price will result in increased or decreased warrant and embedded derivative liabilities, respectively, on our balance sheet and therefore increased or decreased expenses being recognized in our statement of operations in future periods.

## **Results OF OPERATIONS FOR THE SIX MONTHS ENDED APRIL 30, 2013 AND 2012**

### *Revenue*

We did not record any revenue for the six months ended April 30, 2013 and 2012.

### *Research and Development Expenses*

Research and development expenses decreased by approximately \$1,337,000 to approximately \$3,092,000 for the six months ended April 30, 2013 as compared with approximately \$4,429,000 for the same period a year ago. This is primarily attributable to decreased clinical trial expenses due to the near completion of dosing patients in our India trial and less clinical trial activity as compared with the same period a year ago. In addition, overall compensation decreased in the current period resulting from fewer employees when compared with the same period a year ago.

We anticipate a significant increase in research and development expenses as a result of our intended expanded development and commercialization efforts primarily related to clinical trials and product development. In addition, we expect to incur expenses in the development of strategic and other relationships required to license manufacture and distribute our product candidates when they are approved.

#### *General and Administrative Expenses*

General and administrative expenses increased by approximately \$2,521,000 to approximately \$4,566,000 for the six months ended April 30, 2013 as compared with approximately \$2,045,000 for the same period a year ago. This was primarily due to higher stock-based compensation expense for options and shares granted to employees and directors as compared to the prior year period as well as severance costs related to a former employee. In addition, a portion of the increase is attributable to increased legal fees in the current period as compared to the prior year period. These increases were slightly offset by a decrease in travel and entertainment related expenses in the current period as compared to the prior year period.

#### *Interest Expense*

For the six months ended April 30, 2013, interest expense decreased significantly to approximately \$457,000 from \$3,197,000 in the same period a year ago, which decrease is largely a result of the significant reduction in overall debt from approximately \$5.5 million in outstanding principal at April 30, 2012 to approximately \$2.2 million in outstanding principal at April 30, 2013. These reductions included the May 2012 exchange of approximately \$4.5 million aggregate principal value of convertible promissory notes for shares of our common stock and warrants and the conversion of approximately \$4.3 million aggregate principal value of various convertible promissory notes into shares of our common stock during 2012. This was slightly offset by approximately \$157,000 in non-cash interest expense related to the issuance of 3.5 million shares (Commitment Fee Shares) under the Hanover Purchase Agreement.

#### *Other Income*

Other income was approximately \$1,446 for the six months ended April 30, 2013 as a result of approximately \$5,100 in interest income from payments made to us under the terms of a convertible promissory note, slightly offset by expense of approximately \$3,700 related to unfavorable changes in foreign exchange rates relating to transactions with certain vendors.

Other income was approximately \$340 for the six months ended April 30, 2012 as a result of favorable changes in foreign exchange rates relating to transactions with certain vendors.

*(Loss) Gain on Note Retirement and Accounts Payable*

For the six months ended April 30, 2013, we recorded non-cash income of approximately \$347,000 primarily resulting from the settlement of outstanding payables with shares of our common stock or at a discount. This income was partially offset by charges incurred related to the conversion of notes into shares of our common stock by investors.

For the six months ended April 30, 2012, we recorded non-cash expense of approximately \$1,241,000 mainly resulting from the conversion of some convertible promissory notes, by investors, into shares of our common stock. In addition, we recorded non-cash expense from an exchange agreement with an accredited investor in which the investor exchanged a convertible promissory note for (i) a new convertible promissory note and (ii) a warrant to purchase up to 2,352,940 shares of common stock at an exercise price of \$0.15 per share. We recorded non-cash expense of approximately \$247,000 related to the above exchange. In addition, during the six months ended April 30, 2012, we recorded non-cash expense of approximately \$86,000 resulting from the exchange by an investor of 2007 warrants that contained anti-dilution provisions in addition to the conversion of some bridge notes into our shares of common stock.

*Changes in Fair Values*

For the six months ended April 30, 2013, we recorded non-cash expense from changes in the fair value of the warrant liability of approximately \$3.9 million resulting from an increase in the fair value of each liability warrant due to an increase in our share price from \$0.045, at October 31, 2012 to \$0.0665 at April 30, 2013 and the number of outstanding liability warrants increasing during the current period compared to the same period a year ago.

For the six months ended April 30, 2012, we recorded income from changes in the fair value of the warrant liability and embedded derivative liability of approximately \$3.6 million resulting from a decrease in the Black-Scholes value of each liability warrant due to a smaller range of share prices used in the calculation of the BSM Model volatility input somewhat offset by a slight increase in our share price over the six months ended April 30, 2012.

Potential future increases or decreases in our stock price will result in increased or decreased warrant and embedded derivative liabilities, respectively, on our balance sheet and therefore increased or decreased expenses being recognized in our statement of operations in future periods.

*Income Tax Benefit*

We may be eligible, from time to time, to receive cash from the sale of our Net Operating Losses, or NOLs, under the State of New Jersey NOL Transfer Program. In the six months ended April 30, 2013, we received a net cash amount of approximately \$725,000 from the sale of our st