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

This Quarterly Report on Form 10-Q contains forward-looking statements. Such forward-looking statements include those that express plans, anticipation, intent, contingency, goals, targets or future development and/or otherwise are not statements of historical fact. These forward-looking statements are based on our current expectations and projections about future events and they are subject to risks and uncertainties known and unknown that could cause actual results and developments to differ materially from those expressed or implied in such statements.

In some cases, you can identify forward-looking statements by terminology, such as “expects,” “anticipates,” “intends,” “estimates,” “plans,” “believes,” “seeks,” “may,” “should,” “continue,” “could” or the negative of such terms or other similar expressions. Accordingly, these statements involve estimates, assumptions and uncertainties that could cause actual results to differ materially from those expressed in them. Any forward-looking statements are qualified in their entirety by reference to the factors discussed throughout this Quarterly Report on Form 10-Q.

You should read this quarterly report and the documents that we reference herein and therein and have filed as exhibits to this report, completely and with the understanding that our actual future results may be materially different from what we expect. You should assume that the information appearing in this quarterly report is accurate as of the date of this report only. Because the risk factors referred to above could cause actual results or outcomes to differ materially from those expressed in any forward-looking statements made by us or on our behalf, you should not place undue reliance on any forward-looking statements. These risks and uncertainties, along with others, are described under the heading “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2014 filed with the Securities and Exchange Commission on March 27, 2015. Further, any forward-looking statement speaks only as of the date on which it is made, and we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which the statement is made or to reflect the occurrence of unanticipated events. New risk factors may emerge from time to time, and it is not possible for us to predict which factors will arise. In addition, we cannot assess the impact of each risk factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. We qualify all of the information presented in this Quarterly Report on Form 10-Q, and particularly our forward-looking statements, by these cautionary statements.

**PART I—FINANCIAL INFORMATION****Item 1. Unaudited Condensed Consolidated Financial Statements.****SIGNAL GENETICS, INC.****CONDENSED CONSOLIDATED BALANCE SHEETS**

(in thousands, except share and par value data)

	June 30, 2015 (unaudited)	December 31, 2014
<b>ASSETS</b>		
Current assets:		
Cash	\$ 10,448	\$ 5,119
Accounts receivable, net	581	1,088
Inventory	536	179
Prepaid expenses and other current assets	294	399
Total current assets	11,859	6,785
Property and equipment, net	1,192	1,214
Deferred offering costs	-	47
Security deposits	43	43
Total assets	\$ 13,094	\$ 8,089
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Accounts payable	\$ 332	\$ 255
Accrued liabilities	477	361
Note payable – related party	1,105	-
Amounts due to related party	-	1,045
Lease termination/abandonment payable - current portion	63	248
Other current liabilities	98	80
Total current liabilities	2,075	1,989
Other noncurrent liabilities	76	109
Commitments and contingencies		
Stockholders' equity:		
Preferred stock, \$0.01 par value, 5,000,000 shares authorized, no shares issued or outstanding at June 30, 2015 or December 31, 2014	-	-
Common stock, \$0.01 par value, 50,000,000 shares authorized, 7,845,530 and 3,782,629 shares issued and outstanding at June 30, 2015 and December 31, 2014, respectively	78	38
Additional paid in capital	22,701	12,593
Accumulated deficit	(11,836 )	(6,640 )
Total stockholders' equity	10,943	5,991

Total liabilities and stockholders' equity	\$ 13,094	\$ 8,089
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See accompanying notes to unaudited condensed consolidated financial statements.

**SIGNAL GENETICS, INC.****UNAUDITED CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS****(in thousands, except share and per share data)**

	Three Months Ended June 30,		Six Months Ended June 30,	
	2015	2014	2015	2014
Net revenue	\$734	\$1,274	\$1,378	\$2,364
Operating expenses:				
Cost of revenue	678	954	1,439	1,685
Selling and marketing	574	66	1,008	132
Research and development	194	128	293	162
General and administrative	1,778	2,937	3,740	3,363
Total operating expenses	3,224	4,085	6,480	5,342
Loss from operations	(2,490 )	(2,811 )	(5,102 )	(2,978 )
Interest expense	(72 )	(478 )	(94 )	(1,017 )
Net loss attributable to stockholders of Signal Genetics, Inc.	(2,562 )	(2,745 )	(5,196 )	(2,745 )
Net loss attributable to members of Signal Genetics LLC		(544 )		(1,250 )
Net loss attributable to stockholders of Signal Genetics, Inc./member of Signal Genetics LLC	\$(2,562 )	\$(3,289 )	\$(5,196 )	\$(3,995 )
Net loss per common share, basic and diluted	\$(0.33 )	\$(4.73 )	\$(0.77 )	\$(8.92 )
Weighted-average number of shares outstanding, basic and diluted	7,785,670	695,454	6,789,376	447,727

See accompanying notes to unaudited condensed consolidated financial statements.

**SIGNAL GENETICS, INC.****UNAUDITED CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS****(in thousands)**

	Six Months Ended June 30,	
	2015	2014
<b>OPERATING ACTIVITIES</b>		
Net loss	\$(5,196 )	\$(3,995 )
Adjustments to reconcile net loss to net cash used in operating activities:		
Stock compensation	1,420	2,875
Depreciation and amortization	90	72
Noncash interest on note payable – related party	88	1,008
Lease termination	-	46
Changes in operating assets and liabilities:		
Accounts receivable	507	(365 )
Inventory	(357 )	164
Prepaid expenses and other current assets	105	(25 )
Accounts payable and other current liabilities	233	78
Lease termination/abandonment payable	(185 )	(243 )
Net cash used in operating activities	(3,295 )	(385 )
<b>INVESTING ACTIVITIES</b>		
Purchases of property and equipment	(68 )	(4 )
Net cash used in investing activities	(68 )	(4 )
<b>FINANCING ACTIVITIES</b>		
Proceeds from issuance of common stock, net of costs to issue	9,074	7,113
Proceeds from issuance of note payable/amounts due to related party	-	795
Shares repurchased to satisfy tax withholding obligation for restricted stock award	(346 )	-
Repayment of capital lease obligation and note payable	(36 )	(32 )
Net cash provided by financing activities	8,692	7,876
Net increase in cash	5,329	7,487
Cash, beginning of period	5,119	209
Cash, end of period	\$10,448	\$7,696

See accompanying notes to unaudited condensed consolidated financial statements.





**SIGNAL GENETICS, INC.**

NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

**1. Basis of Presentation**

Signal Genetics, Inc. (the “Company”) is a commercial stage, molecular genetic diagnostic company focused on providing innovative diagnostic services that help physicians make better-informed decisions concerning the care of their patients suffering from cancer. In 2010, the Company became the exclusive licensee to the intellectual property stemming from the renowned research on multiple myeloma (“MM”), performed at the University of Arkansas for Medical Sciences (“UAMS”). Myeloma Prognostic Risk Signature (“MyPRS”) is based upon 30 years of clinical research on over 10,000 MM patients who received their care at UAMS. The Company currently generates revenues from the performance of its MyPRS<sup>®</sup> diagnostic tests, which was launched in April 2011.

***Basis of Presentation and Liquidity***

The accompanying consolidated financial statements include the Company and its wholly-owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation.

Since its inception, the Company has devoted substantial effort in developing its products and services and has incurred losses and negative cash flows from operations. Prior to its IPO, all financial support had been provided by the Company’s majority member. As of June 30, 2015, however, following the 2015 Offering, the Debt Conversion, the Corporate Conversion and the IPO, each as defined below, the Company has positive working capital and stockholders’ equity. Although the Company is forecasting continued losses and negative cash flows as it funds its expanding selling and marketing activities, and research and development programs, the Company believes that it has enough cash on hand to support operations for at least the next year. Going forward, as the Company continues its expansion, it may seek additional financing and/or strategic investments. However, there can be no assurance that any additional financing or strategic investments will be available to the Company on acceptable terms, if at all. If events or circumstances occur such that the Company does not obtain additional funding, it will most likely be required to reduce its plans and/or certain discretionary spending, which could have a material adverse effect on the Company’s ability to achieve its intended business objectives. The accompanying consolidated financial statements do not include any adjustments that might be necessary if the Company is unable to continue as a going concern.

The accompanying unaudited consolidated financial statements have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission (“SEC”). Certain information and note disclosures normally included in annual financial statements prepared in accordance with generally accepted accounting principles have been omitted. The accompanying unaudited consolidated financial statements include all known adjustments necessary for a fair presentation of the results of interim periods as required by accounting principles generally accepted in the United States. These adjustments consist primarily of normal recurring accruals and estimates that impact the carrying value of assets and liabilities. Actual results may materially differ from these estimates. Operating results for the three and six months ended June 30, 2015 are not necessarily indicative of the results that may be expected for the year ending December 31, 2015. The consolidated financial statements should be read in conjunction with the Company’s audited consolidated financial statements for the year ended December 31, 2014, which are included in the Company’s Annual Report on Form 10-K filed with the SEC on March 27, 2015.

***Public Offerings of Common Stock***

On July 10, 2015, the Company filed a prospectus for the offering, issuance and sale of securities from time to time in one or more offerings (“Shelf Registration”) which was declared effective by the SEC on July 28, 2015. The amount of securities to be sold pursuant to the Shelf Registration is limited by our market capitalization. Concurrently with filing the Shelf Registration, we entered into a sales agreement with Cantor Fitzgerald & Co., to sell shares of our common stock, with aggregate gross sales proceeds of up to \$4.45 million, from time to time, through an “at the market” equity offering program (the “ATM program”),

On February 20, 2015, the Company completed a public offering (the “2015 Offering”) of 3,214,285 shares of its common stock, at \$2.80 per share, for total cash proceeds of \$7.8 million, which is net of \$1.2 million in underwriter commissions and offering expenses. On February 26, 2015, the underwriters exercised their overallotment option for 482,142 additional shares of the Company’s common stock, for total cash proceeds of \$1.3 million, which is net of \$95,000 in underwriter commissions.

### ***Corporate Conversion and Initial Public Offering***

On June 17, 2014, the Company completed a corporate conversion and Signal Genetics LLC converted from a limited liability company to a Delaware corporation (the “Corporate Conversion”). Immediately prior to the Corporate Conversion, \$27.3 million of the Company’s note payable — related party was converted into 2,732,629 newly authorized Class C units (the “Debt Conversion”). In connection with the Corporate Conversion, all outstanding Class A and C units of Signal Genetics LLC were converted into 200,000 and 2,732,629 shares, respectively, for an aggregate of 2,932,629 shares of common stock of the Company, the members of Signal Genetics LLC became stockholders of the Company and the Company succeeded to the business of Signal Genetics LLC and its consolidated subsidiaries.

On June 23, 2014, the Company completed an initial public offering (the “IPO”) of 850,000 shares of its common stock, at \$10.00 per share, for net cash proceeds of \$6.1 million, which is net of \$2.4 million in underwriter commissions and offering expenses. The net contribution to additional paid-in capital was \$5.8 million after deducting the noncash fair values of warrants and option for overallotment shares issued in connection with the IPO.

## 2. Significant Accounting Policies

### *Use of Estimates*

The accompanying consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (“GAAP”). The preparation of financial statements in conformity with GAAP requires management to make judgments, assumptions and estimates that affect the amounts reported in the Company’s consolidated financial statements and accompanying notes. Significant estimates in the consolidated financial statements have been made for revenue, depreciation of property and equipment and stock-based compensation. Actual results could differ materially from those estimates.

### *Cash*

The Company considers all highly liquid investments with a maturity at date of purchase of three months or less to be cash equivalents. Cash is currently comprised only of cash on hand and deposits in banks. At June 30, 2015 and December 31, 2014, the Company had \$50,000 in a restricted money market account that was held as cash collateral against an outstanding letter of credit for security on a lease.

### *Accounts Receivable and Allowance for Doubtful Accounts*

Accounts receivable are recorded net of an allowance for doubtful accounts. The Company estimates an allowance for doubtful accounts based on the aging of the accounts receivable and the historical collection experience for each type of payor. Account balances are charged-off against the allowance when it is probable the receivable will not be recovered.

During the three months ended June 30, 2015 and 2014, the Company recognized \$4,000 and \$0 in bad debt expense, respectively. During the six months ended June 30, 2015 and 2014, the Company recognized \$28,000 and \$0 in bad debt expense, respectively. At June 30, 2015 and December 31, 2014, the allowances for doubtful accounts were \$7,000 and \$0, respectively.

### *Inventory*

Inventory, which consists entirely of raw materials, and includes laboratory materials and supplies, is valued at the lower of cost or market using the first-in, first-out (“FIFO”) method.

### *Deferred Offering Costs*

During the year ended December 31, 2014, the Company incurred \$47,000 in direct costs related to its anticipated public offering of common stock. These costs were deferred and recorded as a long-term asset at December 31, 2014 and reclassified as a reduction to additional paid-in capital upon completion of the 2015 Offering.

### *Revenue Recognition*

Revenues that are derived from testing services are recognized in accordance with revenue recognition accounting guidance, which requires that four basic criteria be met before revenue can be recognized: (1) persuasive evidence that

an arrangement exists; (2) delivery has occurred and title and the risks and rewards of ownership have been transferred to the client or services have been rendered; (3) the price is fixed or determinable; and (4) collectability is reasonably assured.

Revenues are recorded on an accrual basis when the contractual obligations are completed as tests are processed through the Company's laboratory and test results are delivered to ordering physicians. Revenues are billed to various payors, including Medicare, contracted insurance companies, directly billed customers (UAMS, pharmaceutical companies, reference laboratories and hospitals) and non-contracted insurance companies. Revenues from Medicare, contracted insurance companies and directly billed customers are reported based on the contractual rate. The difference between the amounts billed and the contractual rates from Medicare and contracted insurance companies are recorded as contractual allowances at the same time the revenue is recognized, to arrive at reported net revenue. The contractual rate is based on established agreed upon rates between the Company and the respective payor. Directly billed customers are invoiced at the contractual rate by the Company. Revenues from non-contracted insurance companies are reported based on the amount expected to be collected, which is based on the historical collection experience of each payor or payor group, as appropriate, and anticipated effects of changes in the healthcare industry, if any. The difference between the amount billed and the amount estimated to be collected from non-contracted insurance companies is recorded as a contractual allowance at the same time the revenue is recognized, to arrive at reported net revenue. The Company does not record revenue from individuals for billings until cash is collected; as collectability is not assured at the time services are provided, therefore there are no accounts receivable from self-payors. Gross revenues from individuals have been immaterial to date.

The Company's estimates of net revenue for non-contracted insurance companies are subject to change based on the contractual status and payment policies of the third-party payors with whom the Company deals. The Company regularly refines its estimates in order to make estimated revenue as accurate as possible based on its most recent collection experience with each third-party payor. The Company regularly reviews its historical collection experience for non-contracted payors and anticipated changes in the healthcare industry and adjusts expected revenues for current and subsequent periods accordingly. During the three and six months ended June 30, 2015, net unfavorable changes in estimates were recorded to revenue related to non-contracted revenues recorded in the prior year of \$43,000 and \$73,000, respectively.

The table below shows the adjustments made to gross revenues to arrive at net revenues, the amount reported in the consolidated statements of operations:

	Three Months Ended		Six Months Ended	
(in thousands)	June 30, 2015	2014	June 30, 2015	2014
Gross revenues	\$ 1,457	\$ 1,621	\$ 2,754	\$ 3,105
Less: contractual allowances	(723 )	(347 )	(1,376 )	(741 )
Net revenue	\$ 734	\$ 1,274	\$ 1,378	\$ 2,364

Contractual allowances recorded during the three months ended June 30, 2015 and 2014 represented 50% and 21% of gross revenues, respectively. Contractual allowances recorded during the six months ended June 30, 2015 and 2014 represented 50% and 24% of gross revenues, respectively. The increase in the contractual allowances is due to changes in our estimates of net revenue for non-contracted payors based on the contractual status and payment policies of the payors, and anticipated changes in the healthcare industry.

### ***Stock-Based Compensation***

Compensation expense for all stock-based payments made to employees, directors, and consultants are measured and recognized based on estimated fair value, net of an estimated forfeiture rate. These stock-based awards include stock options and restricted stock units. The Company estimates the fair value of stock options granted using the Black-Scholes-Merton ("BSM"), option-pricing model, which requires the use of estimates such as stock price volatility and expected option lives, as well as expected option forfeiture rates. The fair value of stock options granted to employees is estimated at the date of grant, while the fair value of stock options granted to non-employees is estimated at the date of grant and remeasured at each subsequent reporting date to fair value until performance is complete, with changes in fair value recognized as expense in the statement of operations.

The fair value of restricted stock units issued to employees is based on the market price of the Company's common stock on the date of grant and, for nonemployees, at the date when performance is complete. Upon settlement of all or a portion of the award in cash, the recognized fair value of the corresponding amount of awards is reversed from additional paid-in capital and the excess of the cash payment over this amount is recognized as additional stock-based compensation expense.

Stock-based compensation cost is recognized on a straight-line basis over the requisite service period of the award. Stock-based compensation expense is recognized only for those awards that are ultimately expected to vest. The Company estimates forfeitures at the time of grant and revises the estimate, if necessary, in subsequent periods if actual forfeitures differ from those estimates. Changes in forfeiture estimates impact compensation cost in the period in which the change in estimate occurs.

Due to the Company's net loss position, no tax benefits for stock-based compensation have been recognized in the statements of cash flows. The Company has not recognized, and does not expect to recognize in the near future, any tax benefit related to stock-based compensation cost as a result of its full valuation allowance on net deferred tax assets and net operating loss carryforwards.

***Fair Value of Financial Instruments***

The Company's financial instruments that are measured at fair value on a recurring basis consist principally of cash, restricted cash, accounts receivable and accounts payable

The carrying amounts of financial instruments such as accounts receivable and accounts payable approximate their relative fair values due to the short-term maturities of these instruments.

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants on the measurement date. Accounting guidance also establishes a fair value hierarchy that requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard describes three levels of inputs that may be used to measure fair value:

Level 1—Observable inputs that reflect quoted prices (unadjusted) for identical assets or liabilities in active markets.

Level 2—Includes other inputs that are directly or indirectly observable in the marketplace.

Level 3—Unobservable inputs that are supported by little or no market activities, therefore requiring an entity to develop its own assumptions.

### ***Net Loss Per Share***

Basic and diluted net loss per common share for the periods presented is computed by dividing net loss by the weighted-average number of common shares outstanding during the respective periods, without consideration of common stock equivalents. Basic and diluted net loss per common share includes vested, but unissued restricted stock units from the date of vesting.

Common stock equivalents, determined on a weighted-average outstanding basis, that could potentially reduce net income per common share in the future that were not included in the determination of diluted loss per common share as their effects were antidilutive are as follows:

	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
(in thousands)	2015	2014	2015	2014
Unvested restricted stock units	506,330	79,105	518,821	39,552
Options to purchase common stock	176,857	-	176,687	-
Warrants to purchase common stock	203,214	3,269	157,678	1,635
Overallotment Options to purchase common stock	-	18,214	-	9,107
Total	886,401	100,588	853,186	50,294

### ***Concentration of Credit Risk, Major Customers and Suppliers***

Cash is maintained at two financial institutions and, at times, balances may exceed federally insured limits. The Company has not experienced any losses related to these balances.

During the three and six months ended June 30, 2015 and 2014, the Company had one major customer, UAMS. Revenue sourced either from or through UAMS accounted for 72% and 83% of net revenue during the three months ended June 30, 2015 and 2014, respectively, and 75% and 81% during the six months ended June 30, 2015 and 2014, respectively. Accounts receivable sourced either from or through UAMS at June 30, 2015 and December 31, 2014 accounted for 55% and 63% of total accounts receivable outstanding, respectively.

Inventory used in the Company's testing process is procured from one supplier. Any supply interruption or an increase in demand beyond such supplier's capabilities could have an adverse impact on the Company's business. Management believes it could identify alternative suppliers, if necessary, but it is possible such suppliers may not be identified in a timely manner to avoid an adverse impact on the Company's business.



***Reclassifications***

Reclassifications of certain operating expenses in the consolidated statement of operations have been made as of and during the three and six months ended June 30, 2014 to conform to the 2015 presentation.

***Recent Accounting Pronouncements***

In July 2015, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) 2015-11, which simplifies the measurement of inventories valued under most methods, including our inventories valued under the FIFO method. Under this new guidance, inventories valued under these methods would be valued at the lower of cost and net realizable value, with net realizable value defined as the estimated selling price less reasonable costs to sell the inventory. The new guidance is effective prospectively for our quarterly reporting period beginning January 1, 2017, with early adoption permitted. The Company is currently assessing the impact that this standard will have on its consolidated financial statements.

In February 2015, the FASB issued amendments to ASU 2015-02, Consolidation: Amendments to the Consolidation Analysis. This standard simplifies consolidation accounting by reducing the number of consolidation models and changing various aspects of current GAAP, including certain consolidation criteria for variable interest entities. This standard becomes effective for the Company’s first quarter beginning January 1, 2017 with early adoption permitted. Upon adoption, the Company may elect prospective or retrospective application. The Company is currently assessing the impact that this standard will have on its consolidated financial statements.

In May 2014, the FASB issued ASU 2014-09, Revenue from Contracts with Customers, which outlines a single comprehensive model for entities to use in accounting for revenue from contracts with customers and supersedes most current revenue recognition guidance in FASB ASC 605, Revenue Recognition, including industry-specific guidance. This standard is based on the principle that an entity should recognize revenue to depict the transfer of goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. This standard also requires additional disclosure about the nature, amount, timing and uncertainty of assets recognized from costs incurred to fulfill a contract and was originally effective for the Company's annual reporting period beginning January 1, 2018, including interim periods within that reporting period. In July 2015, the FASB voted to defer the effective date of this ASU by one year, which is effective for our annual reporting period beginning January 1, 2019, with early adoption permitted beginning with the annual reporting period ending December 31, 2017. Entities have the option of using either a full retrospective or a modified retrospective approach for the adoption of the new standard. The Company is currently assessing the impact that this standard will have on its consolidated financial statements.

In August 2014, the FASB issued ASU 2014-15, Presentation of Financial Statements — Going Concern, which provides guidance on management's responsibility in evaluating whether there is substantial doubt about a company's ability to continue as a going concern and the related footnote disclosure. For each reporting period, management will be required to evaluate whether there are conditions or events that raise substantial doubt about a company's ability to continue as a going concern within one year from the date the financials are issued. When management identifies conditions or events that raise substantial doubt about the entity's ability to continue as a going concern, this standard also outlines disclosures that are required in the company's footnotes based on whether or not there are any plans intended to mitigate the relevant conditions or events to alleviate the substantial doubt. This standard becomes effective for the Company's annual reporting period ending December 31, 2016, and for annual and interim periods thereafter. Early application is permitted. The Company does not expect the adoption of this standard to have a material impact on its consolidated financial statements.

### 3.

### Balance Sheet Accounts and Supplemental Disclosures

#### *Property and Equipment*

Property and equipment consist of the following:

	June 30, December 31,	
(in thousands)	2015	2014
Laboratory and computer equipment	\$1,762	\$ 1,711
Furniture and fixtures	69	52
Leasehold improvements	6	6
	1,837	1,769
Less: accumulated depreciation and amortization	(645 )	(555 )
Total property and equipment, net	\$1,192	\$ 1,214

An asset with a cost of \$300,000 recorded under a capital lease is included in the laboratory equipment balances at June 30, 2015 and December 31, 2014.

#### *Accrued Expenses*

Accrued expenses consist of the following:

(in thousands)	June 30,	December 31,
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	2015	2014
Accrued compensation and related expenses	\$ 407	\$ 257
Accrued interest payable	28	-
Accrued offering costs	-	42
Other	42	62
Total accrued expenses	\$ 477	\$ 361

**4. Note Payable – Related Party, Amount Due Related Party and Capital Lease Obligations**  
***Note Payable — Related Party and Amounts Due to Related Party***

On March 6, 2015, the amounts due to related party aggregating \$1,045,000 were converted into an unsecured note payable – related party, bearing interest at 8% per annum and due on demand. The principal amount of the note was increased by \$60,000 over the amounts due to related party to \$1,105,000 to provide the equivalent of 8% per annum interest for the period of time the amounts due to related party were held as a payable in exchange for a provision that the related party would not call the note prior to June 30, 2015. The increase in the principal amount of the note has been deferred and was amortized to interest expense over the initial term of the note to June 30, 2015. Interest expense related to this note during the three and six months ended June 30, 2015 was \$69,000 and \$88,000, respectively. The note balance at June 30, 2015 was \$1,105,000 and accrued interest payable of \$28,000 is included in accrued liabilities in the consolidated balance sheet at June 30, 2015.

During the six months ended June 30, 2014, the Company's then majority member, through various entities controlled by such member, loaned a net amount of \$795,000, to the Company to support its operations. The average amount of borrowings under this note, which bore interest at 8% compounded quarterly and was due on demand, during the six months ended June 30, 2014, was \$17.9 million. This note was subsequently converted into equity in June 2014. Interest expense related to this note during the three and six months ended June 30, 2014 was \$476,000 and \$1.0 million, respectively.

### *Capital Lease Obligation*

In December 2014, the Company entered into a new two-year capital lease obligation for laboratory equipment which expires in January 2017, and provides for monthly rent of \$7,200. The lease obligation at June 30, 2015 and December 31, 2014 was \$128,000 and \$164,000, which are both net of \$8,000 in unamortized discounts. Future maturities of this obligation at June 30, 2015 are \$43,000 during the remainder of 2015, and \$86,000 and \$7,000 during 2016 and 2017, respectively.

## 5. Stockholders' Equity

Changes in common shares outstanding and total stockholders' equity during the six months ended June 30, 2015 were as follows:

	Shares of Common Stock	Total Stockholders' Equity (in thousands)
Balance, December 31, 2014	3,782,629	\$ 5,991
Public offering of common shares, net of costs to issue	3,696,427	8,744
Fair value of warrants and option to underwriters for overallotment shares issued in connection with public stock offering	-	330
Stock-based compensation	-	1,420
Shares issued under employee stock incentive plan, net of shares withheld to satisfy tax withholding obligations	366,474	(346 )
Net loss	-	(5,196 )
Balance, June 30, 2015	7,845,530	\$ 10,943

### *Common Shares*

The Company has authorized 50,000,000 shares of common stock, of which 7,845,530 shares were issued and outstanding at June 30, 2015. Common shares reserved for future issuance upon the exercise, issuance or conversion of the respective equity instruments at June 30, 2015 is as follows:

Issued and Outstanding:	
Restricted stock units	397,286
Stock options	179,000
Warrants	203,214
Shares reserved for future award grants	1,157,240
Total	1,936,740

***Public Offering of Common Stock***

On February 20, 2015, the Company completed a public offering of 3,214,285 shares of its common stock, at \$2.80 per share, for total cash proceeds of \$7.8 million, which is net of \$1.2 million in underwriter commissions and offering expenses. In connection with the offering, the Company granted a 45-day option to the underwriter to purchase up to 482,142 shares of common stock to cover overallocments, with an aggregate grant date fair value of \$132,000. On February 26, 2015, the underwriters exercised the overallocment option for total cash proceeds of \$1.3 million, which is net of \$95,000 in underwriter commissions. In connection with this offering, as a portion of the underwriting compensation payable to the underwriters, the Company issued warrants to purchase 160,714 shares of its common stock to the representative of the underwriters with an aggregate grant date fair value of \$198,000. The warrants are exercisable at any time from February 2016 through February 2020 at an exercise price of \$3.50 per share. The aggregate fair values of the warrants and overallocment option issued were recorded as an increase to additional paid-in capital with an offset to the proceeds from the offering. The net contribution to additional paid-in capital was \$8.8 million after deducting the noncash fair values of warrants and overallocment option issued in connection with the offering.

The estimated fair values of the warrants and overallotment option were determined on their respective measurement dates using the BSM option valuation model with the following assumptions:

	Warrants	Overallotment Option		
Fair value of underlying common stock	\$ 2.57	\$ 2.62		
Exercise price	\$ 3.50	\$ 2.60		
Risk-free interest rate	1.61 %	0.02 %		
Volatility	65.5 %	73.0 %		
Dividend Yield	0 %	0 %		
Contractual term (in years)	5.0	0.12		
Weighted-average measurement date fair value per share	\$ 1.23	\$ 0.27		

## 6. Stock Compensation Plan

The Company's 2014 Stock Incentive Plan (the "Plan") provides for stock awards that may be made in the form of incentive or non-statutory stock options, stock appreciation rights, restricted or unrestricted stock awards, restricted stock units, performance awards, or other stock-based awards. No awards may be granted after June 16, 2024. On June 18, 2015, our stockholders approved the First Amendment to the Plan which provided for an increase in the number of shares of common stock reserved for issuance under the Plan from 1,245,399 to 2,100,000. At June 30, 2015, up to 1,733,526 shares of common stock may be issued under the Plan, of which 576,286 shares are reserved for issuance upon the exercise of outstanding options and vesting of outstanding restricted stock units, and 1,157,240 shares are available for future grants.

### *Restricted Stock Units ("RSUs")*

All of the Company's outstanding RSU agreements provide for the settlement of the vested RSUs in shares of the Company's common stock equal to the number of vested RSUs or an amount in cash equal to the product of the fair market value of the common stock on the respective payment date and the number of vested RSUs, or some combination of common shares and cash as determined by the plan administrator as of each settlement date.

RSUs generally vest over a period of one to four years, subject to earlier cancellation or forfeiture prior to vesting upon cessation of service to the Company. A summary of the activity related to RSUs during the six months ended June 30, 2015 is as follows:

	Number of Shares	Weighted-Average Grant Date Fair Value per Share
Unvested at December 31, 2014	655,200	\$ 9.20
Vested during the period	(264,270)	\$ 10.00
Unvested at June 30, 2015	390,930	\$ 8.66

The total fair value of RSUs that vested during the six months ended June 30, 2015 was \$538,000. As permitted under the Plan, the Company repurchased 176,333 shares with an aggregate value of \$346,000 during the six months ended June 30, 2015 to satisfy tax withholding obligations for employees in connection with the vesting of restricted stock units previously granted.

### *Stock Options*

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Stock options generally vest over a four-year period and have a maximum term of ten years from the date of grant, subject to earlier cancellation prior to vesting upon cessation of service to the Company. A summary of the activity related to stock option awards during the six months ended June 30, 2015 is as follows:

	Shares Subject to Options	Weighted-Average Exercise Price per Share	Weighted-Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands)
Outstanding at December 31, 2014	152,000	\$ 4.53		
Granted	32,500	\$ 2.35		
Forfeitures and cancellations	(5,500 )	\$ 3.37		
Outstanding at June 30, 2015	179,000	\$ 4.17	3.2	\$ 2
Options exercisable at June 30, 2015	-	\$ -	-	\$ -
Options expected to vest as of June 30, 2015	179,000	\$ 4.17	3.2	\$ 2

**Stock-Based Compensation Expense**

Compensation expense for time-based RSUs is measured using the fair value of the Company's common stock on the date of grant and recognized ratably over the vesting period.

The estimated fair value of each stock option award was determined on the date of grant using the BSM option valuation model with the following assumptions for the option grants during the six months ended June 30, 2015:

Risk-free interest rate	1.34% -	1.94%
Expected volatility	64.3% -	67.8%
Weighted-average volatility	65.7%	
Dividend yield	0%	
Expected term (in years)	6.3	
Weighted-average grant date fair value per share	\$1.43	

The fair value of each stock option is estimated on the date of grant using the BSM option pricing model which requires the input of highly subjective assumptions. Because the option-pricing model is sensitive to change in the input assumptions, different determinations of the required inputs may result in different fair value estimates of the options. The risk-free interest rate is based on the rate currently available on U.S. Treasury issues with terms approximating the expected term of the option. Due to the Company's limited historical stock data, the estimated future stock price volatility is based upon the average historical volatilities of a group of peer companies. The Company has not paid any dividends on common stock since the Corporate Conversion and does not anticipate paying dividends on common stock in the foreseeable future. The Company did not issue options prior to the IPO and, therefore, has no history of option exercises. As such, the 'simplified' method has been used to estimate the expected term of options.

Stock-based compensation expense is recognized only for those awards that are ultimately expected to vest. Forfeitures are required to be estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.

Total non-cash stock-based compensation expense for all stock awards that was recognized in the consolidated statements of operations is as follows:

	Three Months Ended		Six Months Ended	
	June 30, 2015	2014	June 30, 2015	2014
(in thousands)				
Cost of revenue	\$ 11	\$ 209	\$ 33	\$ 209
Selling and marketing	11	-	23	-
Research and development	27	90	42	90
General and administrative	663	2,576	1,322	2,576
Total	\$ 712	\$ 2,875	\$ 1,420	\$ 2,875

At June 30, 2015, there was \$3.0 million of unamortized compensation cost related to unvested RSUs which is expected to be recognized over a remaining weighted-average vesting period of 1.7 years. At June 30, 2015, there was \$363,000 of unamortized compensation cost related to unvested stock option awards, which is expected to be recognized over a remaining weighted-average vesting period of 3.2 years.





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

### Introduction

*The following discussion and analysis should be read together with our consolidated financial statements and the related notes appearing elsewhere in this Quarterly Report on Form 10-Q. This discussion contains forward-looking statements reflecting our current expectations that involve risks and uncertainties. See "Cautionary Note Regarding Forward-Looking Statements" for a discussion of the uncertainties, risks and assumptions associated with these statements. Actual results and the timing of events could differ materially from those discussed in our forward-looking statements as a result of many factors, including those set forth under "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2014 filed with the Securities and Exchange Commission (the "SEC") on March 27, 2015.*

### Overview

We are a commercial stage, molecular genetic diagnostic company focused on providing innovative diagnostic services that help physicians make better-informed decisions concerning the care of their patients suffering from cancer. Our mission is to develop, validate and deliver innovative diagnostic services that enable better patient-care decisions.

We were founded in January 2010 and hold an exclusive license to the intellectual property stemming from the renowned research on MM performed at UAMS. Our flagship service offering is the MyPRS<sup>®</sup> test, which is a microarray-based Gene Expression Profiling ("GEP") assay that tests for the presence of specific groups of genes that can predict low or high level risk of early relapse in patients suffering from MM. The information provided by our MyPRS<sup>®</sup> test aids physicians in selecting the optimal treatment regimen for each patient's unique MM condition.

To our knowledge, we are the only company marketing a GEP test for assessing the status of MM in the United States. The MyPRS<sup>®</sup> test is protected by a substantial patent portfolio of issued and pending patents.

Our growth strategy includes the following key elements:

- Expanding the U.S. market penetration of our MyPRS<sup>®</sup> test by increasing the geographic coverage of our sales force.
  - Broadening the base of health care insurance companies that have approved reimbursements for MyPRS<sup>®</sup>.
- Expanding the diagnostic indications for MyPRS<sup>®</sup> to include asymptomatic monoclonal gammopathy ("AMG"), the precursor conditions to MM.
- Pursuing collaborations with pharmaceutical companies who focus on developing therapies to treat MM and its precursor disease.
  - Expanding our information technology infrastructure to further improve our customer service experience.
  - Continuing to leverage our relationship with UAMS via our exclusive license agreement.
- Expanding our test offering with the addition of other molecular tests useful to physicians who care for MM patients.
  - Expanding and leverage our capabilities into additional blood cancer indications.
  - Pursuing additional collaborations and in-licensing to expand our service offering.
  - Continuing to reduce the costs associated with the development, manufacture and interpretation of our proprietary genomic tests and services.

We believe a key challenge to achieving our growth strategy will be our ability to become contracted with additional payors beyond Medicare and Arkansas Blue Cross Blue Shield ("AR-BCBS"). In order to broaden our coverage policy approval to include a majority of the major health care insurance providers in the United States, our Vice President of Managed Care and Payor Relations is leading the effort to gain contractual agreements with third-party payors. MyPRS<sup>®</sup> has been studied extensively and there are more than 30 peer-reviewed scientific publications that describe the validity and utility of the test. MyPRS<sup>®</sup> is one of the most extensively validated genomic assays available today.

Further, the MyPRS<sup>®</sup> assay has been validated on patient cohorts totaling over 4,500 patients, detailed in 17 peer-reviewed publications. Please visit our website at [www.signalgenetics.com](http://www.signalgenetics.com) in the “Publications” section under the “Physician Resources” tab for a list of these publications. We intend to use these publications to create the clinical dossier that justifies reimbursement approval by the majority of health care payors.

Other challenges to our growth strategy include: (1) if medical oncologists do not adopt the use of MyPRS<sup>®</sup> to evaluate the risk of developing MM in patients with AMG, our growth strategy could be adversely affected, (2) if other tests that more accurately predict the severity of MM, the risk of progression of AMG to MM or the likelihood of response to therapy, are developed, physicians could stop ordering MyPRS<sup>®</sup>, adversely affecting our ability to generate revenue, and (3) if payors, including our currently contracted payors, decide to reduce payment for MyPRS<sup>®</sup>.

We operate in only one segment and, currently, have no operations outside of the United States.

## **Recent Developments**

In June 2015 we executed a Master Service Agreement (“MSA”) with a leading pharmaceutical company. Under the MSA, our proprietary MyPRS<sup>®</sup> genetic test will be run across multiple clinical trials in connection with the development of novel treatments for patients with multiple myeloma. We have triggered the first of four studies as part of the MSA. Under the agreement, MyPRS<sup>®</sup> will help inform patterns of response to novel therapy regimens with the aim of enabling physicians to better manage multiple myeloma patients based on their specific genetic profile. Developing a pipeline of pharmaceutical company relationships is a key objective for us, and we plan to pursue additional clinical trial service agreements with multiple companies as part of our overarching commercial strategy going forward.

In August 2015 we executed an agreement with America’s Choice Provider Network (ACPN). Under the terms of the agreement, our MyPRS<sup>®</sup> assay will be offered through ACPN’s proprietary network which covers over 22 million patients across the United States. We expect increased reimbursement support for our assay through agreements such as this to have a positive impact on our revenue generation over the long term. As part of our overall growth strategy, we will continue to seek out these types of opportunities to ensure stable reimbursement as we work to make MyPRS<sup>®</sup> available for physicians and patients across the United States.

## **Sources of Revenues and Expenses**

### ***Revenues***

We generate revenues primarily from the completion of tests processed through our CAP-accredited and CLIA certified laboratory when test results are delivered to ordering physicians. During the first six months of 2015 and 2014, we had one major customer, UAMS. Revenue sourced either from or through UAMS accounted for 75% and 81%, respectively, of our net revenue.

A significant portion of our revenues consist of payments or reimbursements received from various payors, including Medicare, contracted insurance companies, directly billed customers (UAMS, pharmaceutical companies, reference laboratories and hospitals) and non-contracted insurance companies. We report revenues from contracted payors and directly billed customers based on the contractual rate. Medicare reimburses MyPRS<sup>®</sup> based on the local coverage determination at approximately \$1,900 per test and AR-BCBS reimburses MyPRS<sup>®</sup> based on the contractual rate of approximately \$2,000 per test. Revenues from non-contracted payors are reported based on the amount expected to be collected, which is based on the historical collection experience of each payor or payor group, as appropriate. Our estimates of net revenue are subject to change based on the contractual status and payment policies of third-party payors with whom we deal as well as anticipated changes in the healthcare industry and related legislation. We regularly refine our estimates in order to make our estimated revenue as accurate as possible based on our most recent collection experience with each third-party payor.

### ***Cost of Revenue***

Our cost of revenue consists primarily of the cost of materials and supplies, labor, and other costs associated with processing specimens including pathological review, quality control analyses, delivery charges necessary to render an individualized test result, depreciation, amortization and royalty expense. Costs associated with performing tests are recorded as the tests are processed.

### ***Research and Development Expenses***

Our research and development expenses primarily include personnel costs, laboratory supplies, reagents, and consulting costs associated with developing and validating new testing services.

***Selling and Marketing Expenses***

Our selling and marketing expenses consist primarily of sales commissions and support costs, salaries and related employee benefits, travel, and marketing costs for our commercial, business development and managed care functions.

***General and Administrative Expenses***

Our general and administrative expenses consist primarily of personnel costs, professional service fees and other costs related to our being a publicly-traded company.

***Interest Expense***

Interest expense primarily reflects interest on our notes payable - related party.

**Critical Accounting Policies and Estimates**

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires the use of estimates and assumptions that affect the reported amounts of assets and liabilities, revenues and expenses, and related disclosures in the financial statements. Critical accounting policies are those accounting policies that may be material due to the levels of subjectivity and judgment necessary to account for highly uncertain matters or the susceptibility of such matters to change, and that have a material impact on financial condition or operating performance. While we base our estimates and judgments on our experience and on various other factors that we believe to be reasonable under the circumstances, actual results may differ from these estimates under different assumptions or conditions.

We believe the following critical accounting policies used in the preparation of our financial statements require significant judgments and estimates:

Revenue Recognition  
Accounts Receivable and Allowance for Doubtful Accounts  
Stock-Based Compensation  
Impairment of Long-Lived Assets  
Accounting for Income Taxes

During the six months ended June 30, 2015, other than as discussed below, there were no significant changes in our critical accounting policies and estimates. Please refer to "Management's Discussion and Analysis of Financial Condition and Results of Operations" contained in Part II, Item 7 of our Annual Report on Form 10-K for the year ended December 31, 2014 for a more complete discussion of our critical accounting policies.

### ***Revenue Recognition***

We recognize revenue from testing services in accordance with the Financial Accounting Standards Board Accounting Standards Codification ("FASB ASC"), 605, Revenue Recognition, which requires that four basic criteria be met before revenue can be recognized: (1) persuasive evidence that an arrangement exists; (2) delivery has occurred and title and the risks and rewards of ownership have been transferred to the client or services have been rendered; (3) the price is fixed or determinable; and (4) collectability is reasonably assured.

Revenues are recorded on an accrual basis when the contractual obligations are completed as tests are processed through the Company's laboratory and test results are delivered to ordering physicians. Revenues are billed to various payors, including Medicare, contracted insurance companies, directly billed customers (UAMS, pharmaceutical companies, reference laboratories and hospitals) and non-contracted insurance companies. Revenues from Medicare, contracted insurance companies and directly billed customers are reported based on the contractual rate. The difference between the amounts billed and the contractual rates from Medicare and contracted insurance companies are recorded as contractual allowances at the same time the revenue is recognized, to arrive at reported net revenue. The contractual rate is based on established agreed upon rates between the Company and the respective payor. Directly billed customers are invoiced at the contractual rate by the Company. Revenues from non-contracted insurance companies are reported based on the amount expected to be collected, which is based on the historical collection experience of each payor or payor group, as appropriate, and anticipated effects of changes in the healthcare industry, if any. The difference between the amount billed and the amount estimated to be collected from non-contracted insurance companies is recorded as a contractual allowance at the same time the revenue is recognized, to arrive at reported net revenue. The Company does not record revenue from individuals for billings until cash is collected; as collectability is not assured at the time services are provided, therefore there are no accounts receivable from self-payors. Gross revenues from individuals have been immaterial to date.

The Company's estimates of net revenue for non-contracted insurance companies are subject to change based on the contractual status and payment policies of the third-party payors with whom the Company deals. The Company regularly refines its estimates in order to make estimated revenue as accurate as possible based on its most recent collection experience with each third-party payor. The Company regularly reviews its historical collection experience for non-contracted payors and anticipated changes in the healthcare industry and adjusts expected revenues for current and subsequent periods accordingly, including previously recorded revenues related to outstanding accounts receivable for such non-contracted payors. During the three and six months ended June 30, 2015, net unfavorable changes in estimates were recorded to revenue related to non-contracted revenues recorded in the prior year of \$43,000 and \$73,000, respectively, and represented 15.9% and 26.9%, respectively, of the total non-contracted revenues for 2014. Although we regularly refine our estimates to reflect recent historical collection experience, if we have a similar cumulative percentage reduction of 26.9% in our estimated amount to be collected from non-contracted

payors on the uncollected accounts receivable from non-contracted payors at June 30, 2015 of \$210,000, this could result in a \$57,000 unfavorable change in our financial position and results of operations.

*Accounts Receivable and Allowance for Doubtful Accounts*

We record accounts receivable net of an allowance for doubtful accounts. The Company estimates an allowance for doubtful accounts based on the aging of the accounts receivable and the historical collection experience for each of our contracted payors. When the amounts are determined to be uncollectible, they are expensed as bad debt and subsequently charged-off against the allowance. During the second quarters of 2015 and 2014, the Company recognized \$4,000 and \$0 in bad debt expense, respectively. During the first six months of 2015 and 2014, the Company recognized \$28,000 and \$0 in bad debt expense, respectively. At June 30, 2015 and December 31, 2014, the allowances for doubtful accounts were \$7,000 and \$0, respectively.

The following tables present our gross accounts receivable from customers outstanding by aging category reduced by total contractual allowances to arrive at the net accounts receivable balance at June 30, 2015 and December 31, 2014. Other than our direct bill customers, all of our receivables were pending approval by third-party payors as of the date that the receivables were recorded:

(in thousands)	June 30, 2015				Total
	0 - 30 Days	31 - 60 Days	61 - 90 Days	Over 90 Days	
Medicare	\$75	\$31	\$16	\$24	\$146
Contracted insurance companies	20	4	4	42	70
Direct bill	172	15	46	-	233
Non-contracted insurance companies	190	180	192	1,075	1,637
Accounts receivable, gross	457	230	258	1,141	2,086
Less: contractual and doubtful account allowances	(224)	(187)	(187)	(907)	(1,505)
Accounts receivable, net	\$233	\$43	\$71	\$234	\$581

(in thousands)	December 31, 2014				Total
	0 - 30 Days	31 - 60 Days	61 - 90 Days	Over 90 Days	
Medicare	\$79	\$44	\$51	\$82	\$256
Contracted insurance companies	12	4	4	52	72
Direct bill	161	282	67	-	510
Non-contracted insurance companies	182	142	160	1,216	1,700
Accounts receivable, gross	434	472	282	1,350	2,538
Less: contractual allowances	(162)	(113)	(127)	(1,048)	(1,450)
Accounts receivable, net	\$272	\$359	\$155	\$302	\$1,088

The days sales outstanding (“DSO”) was 72 days at June 30, 2015 compared to 84 days at December 31, 2014. The decrease in DSO is primarily due to improved collection of Medicare and our direct bill customers during the first six months of 2015 primarily as a result of improved collection procedures internally. Net revenues from private insurance payors was 11% and 18% of total net revenue during the first six months of 2015 and 2014, respectively. Since these customer are slower to pay, our accounts receivable over 90 days will increase if net revenues from these customers increase.

## Results of Operations

### Second Quarter of 2015 Compared to the Second Quarter of 2014

#### Net Revenue

Net revenue was \$734,000 during the second quarter of 2015, a decrease of \$540,000, or 42%, compared to \$1.3 million during the second quarter of 2014. Net revenue and tests billed during the second quarters of 2015 and 2014 were as follows:

Three Months Ended June 30,		Tests Billed	
Net Revenue (in 000s)	Increase (Decrease)	Increase (Decrease)	Increase (Decrease)



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	2015	2014	\$	%	2015	2014	#	%
UAMS-sourced:								
Research programs	\$405	\$805	\$(400)	(50)%	486	767	(281)	(37)%
Clinical patient revenue	125	249	(124)	(50)%	97	130	(33)	(25)%
Other US hospitals and direct billed customers	204	220	(16)	(7)%	187	115	72	63%
Total	\$734	\$1,274	\$(540)	(42)%	770	1,012	(242)	(24)%

The net revenue recognized and number of tests reported and billed under the UAMS research programs decreased during the second quarter of 2015 compared to the same period for 2014, primarily due to the decrease in funds available at UAMS for such programs. We expect continued declining revenue from the UAMS research programs.

The number of tests we reported and billed for UAMS clinical patients decreased 25% during the second quarter of 2015 when compared to 2014 due to the normal fluctuation in patient census. The number of tests we billed for other U.S. hospitals and direct billed customers increased 63% during the second quarter of 2015 when compared to 2014 due to the expansion of our sales force and our increased marketing efforts. Included in the increase in other U.S. hospitals and direct billed customer tests reported is a 70% increase in tests sourced from other U.S. hospitals.

The net revenue recognized for UAMS clinical patients and other U.S. hospitals and direct billed customers during the second quarter of 2015 decreased 50% and 7%, respectively, from the net revenue recognized during the second quarter of 2014. The decrease is primarily attributable to a reduction in estimates used to calculate revenue for billings to non-contracted insurance payors in anticipation of the potential impact of the Affordable Care Act on utilization and review of our historical collection trends which includes non-contracted payors for whom we do not have collection experience, and \$43,000 of unfavorable prior year adjustments in excess of amounts previously recorded. Due to the expanding salesforce and the consequent increase in new hospital customers from additional regions of the U.S., we expect the number of new payors to continue to increase for the remainder of 2015 which may affect our collection trends used to estimate revenue for billings to non-contracted insurance payors.

### ***Cost of Revenue***

Cost of revenue was \$678,000, or 92% of net revenues, during the second quarter of 2015, a decrease of \$276,000, or 29%, compared to \$954,000, or 75% of net revenues, during the second quarter of 2014. The decrease was attributable to \$248,000 in decreased personnel costs, primarily related to stock-based compensation expense and \$53,000 in decreased material and supply costs due to a decrease in the total tests performed, partially offset by a \$25,000 increase in other laboratory related expenses, including depreciation expense.

### ***Selling and Marketing Expenses***

Selling and marketing expenses were \$574,000 during the second quarter of 2015, an increase of \$508,000, or 770%, when compared to \$66,000 during the second quarter of 2014. The increase was primarily attributed to a \$329,000 increase in personnel costs related to expanding our sales and marketing function and establishing our managed care, commercial and business development functions, \$48,000 in additional costs for an incentive plan, \$12,000 in additional stock-based compensation expense, \$30,000 for managed care consulting and \$89,000 of expense for new marketing projects.

We plan to further expand our sales force and marketing expenditures in the future.

### ***Research and Development Expenses***

Research and development expenses were \$194,000 during the second quarter of 2015, an increase of \$66,000, or 52%, when compared to \$128,000 during the second quarter of 2014. The increase was due to \$130,000 in our increased usage of labor, materials and supplies for internal research projects, offset by a \$64,000 decrease in stock-based compensation expense.

In the future, we expect research and development expenses to increase as we work to develop additional diagnostic tests and add indications to our MyPRS<sup>®</sup> test. We cannot estimate the amounts we will need to invest in order to achieve the new indications or new tests, nor do we know if we will be successful in these endeavors.

### ***General and Administrative Expenses***

General and administrative expenses were \$1.8 million during the second quarter of 2015, a decrease of \$1.2 million, or 39%, when compared to \$2.9 million during the second quarter of 2014. The decrease was primarily due to a \$1.9 million decrease in stock-based compensation expense which was partially offset by \$409,000 in increased personnel costs related to hiring our chief financial and information officers, and accounting, internal billing, information technology and administrative staff, \$61,000 in additional costs for an incentive plan, \$237,000 in higher legal, accounting and insurance expenses related to our being a publicly-traded company and \$46,000 in higher information technology and administrative costs related to the operations of our new headquarters in Carlsbad, California

established in October of 2014.

***Interest Expense***

Interest expense was \$72,000 during the second quarter of 2015, compared to \$478,000 during the second quarter of 2014. The decrease was primarily attributable to the Debt Conversion that occurred in June 2014.

**First Six Months of 2015 Compared to the First Six Months of 2014*****Net Revenue***

Net revenue was \$1.4 million during the first six months of 2015, a decrease of \$986,000, or 42%, compared to \$2.4 million during the first six months of 2014. Net revenue and tests billed during the first six months of 2015 and 2014 were as follows:

	Six Months Ended June 30,				Tests Billed			
	Net Revenue (in 000s)		Increase (Decrease)				Increase (Decrease)	
	2015	2014	\$	%	2015	2014	#	%
UAMS-sourced:								
Research programs	\$825	\$1,470	\$(645)	(44)%	1,012	1,401	(389)	(28)%
Clinical patient revenue	204	445	(241)	(54)%	185	238	(53)	(22)%
Other US hospitals and direct billed customers	349	449	(100)	(22)%	350	240	110	46 %
Total	\$1,378	\$2,364	\$(986)	(42)%	1,547	1,879	(332)	(18)%

The net revenue recognized and number of tests reported and billed under the UAMS research programs decreased during the first six months of 2015 compared to first six months of 2014 primarily due to the decrease in funds available at UAMS for such programs. We expect continued declining revenue from the UAMS research programs.

The number of tests we reported and billed for UAMS clinical patients decreased 22% during the first six months of 2015 when compared to the first six months of 2014 due to the fluctuation in patient census. The number of tests we billed for other U.S. hospitals and direct billed customers increased 46% during the first six months of 2015 when compared to the first six months of 2014 due to the expansion of our sales force and our increased marketing efforts. Included in the increase in other U.S. hospitals and direct billed customer tests reported is a 54% increase in tests sourced from other U.S. hospitals.

The net revenue recognized for UAMS clinical patients and other U.S. hospitals and direct billed customers during the first six months of 2015 decreased 54% and 22%, respectively, from the net revenue recognized during the first six months of 2014. The decrease is primarily attributable to a reduction in estimates used to calculate revenue for billings to non-contracted insurance payors in anticipation of the potential impact of the Affordable Care Act on utilization and review of our historical collection trends which includes non-contracted payors for whom we do not have collection experience, and \$73,000 of unfavorable prior year adjustments in excess of amounts previously recorded. Due to the expanding salesforce and the consequent increase in new hospital customers from additional regions of the U.S., we expect the number of new payors to continue to increase for the remainder of 2015 which may affect our collection trends used to estimate revenue for billings to non-contracted insurance payors.

***Cost of Revenue***

Cost of revenue was \$1.4 million or 104% of net revenues, during the first six months of 2015, a decrease of \$246,000, or 15%, compared to \$1.7 million, or 71% of net revenues, during the first six months of 2014. The decrease was attributable to \$176,000 in decreased stock-based compensation expense and \$83,000 in decreased material and supply costs due to a decrease in the total tests performed, partially offset by a \$13,000 increase in personnel and other laboratory related expenses, including depreciation expense.

***Selling and Marketing Expenses***

Selling and marketing expenses were \$1.0 million during the first six months of 2015, an increase of \$876,000, or 664%, when compared to \$132,000 during the first six months of 2014. The increase was primarily attributed to a \$600,000 increase in personnel costs related to expanding our sales and marketing function and establishing our managed care, commercial and business development functions, \$109,000 in additional costs for an incentive plan, \$23,000 in additional stock-based compensation expense, \$55,000 for managed care consulting and \$89,000 of expense for new marketing projects.

***Research and Development Expenses***

Research and development expenses were \$293,000 during the first six months of 2015, an increase of \$131,000, or 81%, when compared to \$162,000 during the first six months of 2014. The increase is due to \$179,000 in our increased usage of labor, materials and supplies for internal research projects, partially offset by a \$48,000 decrease in stock-based compensation expense.

***General and Administrative Expenses***

General and administrative expenses were \$3.7 million during the first six months of 2015, an increase of \$377,000, or 11%, when compared to \$3.4 million during the first six months of 2014. The increase was primarily attributable to \$687,000 in increased personnel costs related to hiring our chief financial and information officers, and accounting, internal billing, information technology and administrative staff, \$250,000 in additional costs for an incentive plan, \$604,000 of increased legal, accounting and insurance expenses related to our being a publicly-traded company, \$89,000 in increased information technology and administrative costs related to the operations of our new headquarters in Carlsbad, California established in October of 2014, partially offset by \$1.3 million in decreased stock-based compensation expense.

### ***Interest Expense***

Interest expense was \$94,000 during the first six months of 2015, compared to \$1.0 million during the first six months of 2014. The decrease was primarily attributable to the Debt Conversion that occurred in June 2014.

### **Liquidity and Capital Resources**

We had cash of \$10.4 million at June 30, 2015 compared to \$5.1 million at December 31, 2014. At June 30, 2015, we had working capital of \$9.8 million.

On July 10, 2015, the Company filed a prospectus for the offering, issuance and sale of securities from time to time in one or more offerings (“Shelf Registration”) which was declared effective by the SEC on July 28, 2015. The amount of securities to be sold pursuant to the Shelf Registration is limited by our market capitalization. Concurrently with filing the Shelf Registration, we entered into a sales agreement with Cantor Fitzgerald & Co., to sell shares of our common stock, with aggregate gross sales proceeds of up to \$4.45 million, from time to time, through an “at the market” equity offering program (the “ATM program”),

On February 20, 2015, we completed a public offering of 3,214,285 shares of our common stock, at \$2.80 per share, for total cash proceeds of \$7.8 million, which is net of \$1.2 million in underwriter commissions and estimated offering expenses. On February 26, 2015, the underwriters exercised their overallotment option for 482,142 additional shares of our common stock, for total cash proceeds of \$1.3 million, which is net of \$95,000 in underwriter commissions.

Prior to our initial public offering (“IPO”) in June of 2014, our principal sources of cash consisted primarily of borrowings on our note payable to a related party. We received total cash proceeds of \$6.1 million from our IPO, which is net of \$2.4 million in underwriter commissions and offering expenses.

We expect that as our revenues grow, our operating expenses will grow and, as a result, we will need to generate significant additional net revenues to achieve profitability.

We have no material commitments for capital expenditures at this time.

Although we are forecasting continued losses and negative cash flows as we continue to fund our selling and marketing activities and research and development programs, we expect that we will have sufficient cash on hand to support operations for at least one year following the date of this report. Going forward, as we continue our expansion, we may seek additional financing and/or strategic investments. However, there can be no assurance that any additional financing or strategic investments will be available on acceptable terms, if at all. If events or circumstances occur such that we do not obtain additional funding, we will most likely be required to reduce our plans and/or certain discretionary spending, which could have a material adverse effect on our ability to achieve our intended business objectives. Our financial statements do not include any adjustments that might be necessary if we are unable to continue as a going concern. If we cannot continue as a viable entity, our stockholders may lose some or all of their investment in us.

### ***Operating activities***

Cash used by operations during the first six months of 2015 was \$3.3 million, compared to \$385,000 during the first six months of 2014. Our use of cash during the first six months of 2015 was primarily a result of our higher net loss during the first six months of 2015, when compared to 2014, and a reflection of our investment in all areas of the Company.

***Investing activities***

Net cash used by investing activities during the first six months of 2015 and 2014 of \$68,000 and \$4,000, respectively, was for the purchase of property and equipment.

As of this time, we plan to focus on our growth strategies and do not plan to use a material amount of our cash resources in investing activities for the remainder of 2015.

***Financing activities***

Net cash provided by financing activities during the first six months of 2015 of \$8.7 million consisted primarily of the net proceeds from our public offering of common stock in February 2015 of \$9.1 million, partially offset by \$346,000 used to repurchase shares from employees to satisfy tax withholding obligations for restricted stock awards.

Net cash provided by financing activities during the first six months of 2014 of \$7.9 million consisted primarily of the net proceeds from our initial public offering of common stock in June 2014 of \$7.1 million and \$795,000 in proceeds from our note payable-related party.

## **The JOBS Act**

In April 2012, the JOBS Act was enacted. Section 107 of the JOBS Act provides that an emerging growth company can take advantage of an extended transition period for complying with new or revised accounting standards. Thus, an emerging growth company can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. The Company has elected to avail itself of the extended transition period for adopting new or revised accounting standards. As a result of this election, our financial statements may not be comparable to companies that comply with public company effective dates.

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

Not applicable to smaller reporting companies.

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

### **Disclosure Controls and Procedures**

In evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives, and management is required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Our management, with the participation of our Chief Executive Officer and our Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures as of the end of the period covered by this Quarterly Report on Form 10-Q. Based on that evaluation, our Chief Executive Officer and our Chief Financial Officer concluded that our disclosure controls and procedures were effective, at the reasonable assurance level, as of the end of the period covered by this report to ensure that information we are required to disclose in reports that we file or submit under the Securities Exchange Act of 1934, as amended, (1) is recorded, processed, summarized and reported within the time periods specified in Securities and Exchange Commission rules and forms, and (2) is accumulated and communicated to management, including our Chief Executive Officer and our Chief Financial Officer as appropriate to allow timely decisions regarding required disclosure.

### **Internal Control Over Financial Reporting**

We are not required to comply with Section 404 of the Sarbanes-Oxley Act under applicable rules for newly public companies and are therefore not required to make an assessment of the effectiveness of our internal control over financial reporting. As a result, our management has not yet performed an evaluation of our internal control over financial reporting. Further, our independent registered public accounting firm is not yet required to, nor have they been engaged to express, nor have they expressed, an opinion on the effectiveness of our internal control over financial reporting.

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

There were no changes in our internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting during the period covered by this Quarterly Report on Form 10-Q.



## **PART II – OTHER INFORMATION**

### **Item 1. Legal Proceedings.**

We are not currently a party to any legal proceedings.

### **Item 1A. Risk Factors**

There have been no material changes to our Risk Factors, as disclosed in our Annual Report on Form 10-K filed with the SEC on March 27, 2015.

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

#### *Unregistered Sales of Equity Securities*

None.

#### *Use of Proceeds*

On June 23, 2014, we completed our IPO pursuant to which we offered and sold 850,000 shares of our common stock at a public offering price of \$10.00 per share (for an aggregate offering price of \$8,500,000), pursuant to the Company's Registration Statement on Form S-1 (File No. 333-194668), which was declared effective by the Securities and Exchange Commission ("SEC") on June 17, 2014. After deducting underwriting discounts and commissions of approximately \$595,000, and other offering expenses payable by us of approximately \$1,761,000, the Company received approximately \$6,144,000 in net cash proceeds. Aegis Capital Corp. acted as the sole book-running manager for the offering.

From the closing date of our IPO through June 30, 2015, we used \$291,000 to purchase property and equipment, and \$5.5 million to fund our cash losses from operations. No payments were made by us to directors, officers or persons owning ten percent or more of our common stock or to their associates, or to our affiliates, other than payments in the ordinary course of business to officers for salaries and directors for board of directors' fees.

There has been no material change in the planned use of proceeds from our IPO as described in our final prospectus filed with the SEC on June 19, 2014 pursuant to Rule 424(b). Pending the uses described, we have invested the remaining net proceeds in our operating cash account.

**Item 6. Exhibits**

The exhibits listed below are required by Item 601 of Regulation S-K. Each management contract or compensatory plan or arrangement required to be filed as an exhibit to this report has been identified.

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
31.1	Certification of Principal Executive Officer pursuant to Rule 13a-14(a) and Rule 15d-14(a) of the Securities and Exchange Act, as amended.
31.2	Certification of Principal Financial Officer pursuant to Rule 13a-14(a) and Rule 15d-14(a) of the Securities and Exchange Act, as amended.
32*	Section 1350 Certification.
101.INS**	XBRL Instance Document
101.SCH**	XBRL Taxonomy Extension Schema
101.CAL**	XBRL Taxonomy Extension Calculation Linkbase
101.DEF**	XBRL Taxonomy Extension Definition Linkbase
101.LAB**	XBRL Taxonomy Extension Label Linkbase
101.PRE**	XBRL Taxonomy Extension Presentation Linkbase

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This certification is being furnished pursuant to 18 U.S.C. Section 1350, and is not being filed for purposes of \*Section 18 of the Securities Exchange Act of 1934, as amended, and is not to be incorporated by reference into any filing of the Registrant, whether made before or after the date hereof.

In accordance with Rule 406T of Regulation S-T, the Interactive Data Files in Exhibit 101 are deemed not filed or \*\*part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, are deemed not filed for purposes of Section 18 of the Exchange Act of 1934, as amended, and otherwise are not subject to liability under these sections.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: August 14, 2015

**SIGNAL GENETICS, INC.**

By: /S/ Samuel D. Riccitelli  
**Samuel D. Riccitelli,**  
**President and Chief Executive**  
**Officer**