

FARMERS NATIONAL BANC CORP /OH/
 Form 4
 April 17, 2014

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Jackson Brian E

2. Issuer Name and Ticker or Trading Symbol
 FARMERS NATIONAL BANC CORP /OH/ [FMNB]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 20 SOUTH BROAD ST, PO BOX 555
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 04/15/2014

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Sr VP/CIO

CANFIELD, OH 44406

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Shares	04/15/2014	04/16/2014	P ⁽¹⁾	V Amount (A) or (D) Price \$ 7.63	26 2,050 ⁽²⁾	D	
Commons Shares					86	I	by 401K

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6)
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V	(A)	(D)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Jackson Brian E 20 SOUTH BROAD ST PO BOX 555 CANFIELD, OH 44406			Sr VP/CIO	

Signatures

/s/ Carl D. Culp, attorney in fact for Brian E.
Jackson 04/17/2014

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Shares acquired pursuant to the terms of the Farmers National Banc Corp. Share Ownership Plan.
- (2) Includes the acquisition of 2 common shares pursuant to the Farmers National Banc Corp. (the "Company") Amended Dividend Reinvestment Plan during 1st Quarter 2014.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number. bject to HIPAA for breach of confidentiality and security violations.

Our activities must also comply with other applicable privacy laws, including state data security laws that apply to personal data of our employees as well as our customers. "Personal data" includes information such as name coupled with social security number, state issued identification number, or financial account number. State data security laws impose specific security measures for the protection of personal data and require notification to affected individuals and government authorities in the event of breach. Non-compliance may result in government investigations, fines and significant negative publicity for our company.

Many states protect health information with confidentiality laws that are more stringent than HIPAA and that are not preempted by HIPAA. Most states protect certain categories of sensitive health information, such as infectious disease status or behavioral health history. Genetic information, including genetic test results, is often a protected category of health information. We must comply with all of these state-imposed laws. There are also international privacy laws, such as the European Data Directive, that impose restrictions on the access, use, and disclosure of health information and personal data across national lines.

In addition to health care privacy and data security laws, many states have adopted laws governing genetic testing and the use and disclosure of genetic test results. These laws typically require a specific form of written consent in advance of genetic testing and require special protections for test results. Given the complexity of genetic testing and the variety of techniques available for evaluating similar clinical conditions, these laws can be difficult to apply, making compliance more complex and potentially delaying implementation of a testing program when parties disagree on interpretation. Our failure to comply with these laws may result in fines, government enforcement, privacy litigation and adverse publicity for our company.

If we become subject to HIPAA or other state or federal privacy and security laws, we will have to establish and maintain an active compliance program. We will subject to audit and investigation and may also be audited in connection with a complaint. We would also be subject to prosecution and/or administrative enforcement and increased civil and criminal penalties for non-compliance, including a new, four-tiered system of monetary penalties adopted under HITECH. We would also subject to enforcement by state attorneys general who were given authority to enforce HIPAA under HITECH.

We are subject to laws and regulations related to the protection of the environment, the health and safety of employees and the handling, transportation and disposal of medical specimens, infectious and hazardous waste and radioactive materials. For example, the U.S. Occupational Safety and Health Administration, or OSHA, has established extensive requirements relating specifically to workplace safety for healthcare employers in the U.S. This includes requirements to develop and implement multi-faceted programs to protect workers from exposure to blood-borne pathogens, such as HIV and hepatitis B and C, including preventing or minimizing any exposure through needle stick injuries. For purposes of transportation, some biological materials and laboratory supplies are classified as hazardous materials and are subject to regulation by one or more of the following agencies: the U.S. Department of Transportation, the U.S. Public Health Service, the United States Postal Service and the International Air Transport Association. We generally use third-party vendors to dispose of regulated medical waste, hazardous waste and radioactive materials and contractually require them to comply with applicable laws and regulations.

GINA Legislation

In 2008, the Congress passed and the President signed into law, the Genetic Information Non-discrimination Act or GINA. GINA prohibits certain entities from discriminating using genetic information, which includes information from genetic tests, genetic tests of family members and family medical history. It also includes information about an individual's or family member's request for or receipt of genetic services. This law generally prohibits health insurers or health benefit plans from:

- increasing the group premium or contribution amounts (such as co-payments) based on genetic information;
- requesting or requiring an individual or family member to undergo a genetic test; or
- requesting, requiring or purchasing genetic information prior to or in connection with enrollment, or at any time for underwriting purposes.

The law also prohibits employers and certain other entities, including employment agencies, from using genetic information in employment decision-making and from requesting, requiring, or purchasing genetic information. It also strictly limits such entities from disclosing genetic information.

In October 2009, the Department of Health and Human Services issued a proposed rule to modify the HIPAA Privacy Rule to implement Title I of GINA. Final regulations were adopted in January, 2013. Among other things, this rule revises the definition of health information under HIPAA to include genetic information.

GINA applies to some of our customers and to us as an employer. We could be subject to penalties, lawsuits or experience other adverse consequences if our operations violate GINA or cause another entity to violate GINA.

Federal Trade Commission

The Federal Trade Commission (FTC) has jurisdiction over the advertisements of many types of products, including most medical devices, and prohibits unfair or deceptive trade practices. Advertising for our tests, including statements made on our website, is subject to FTC requirements. In recent years, the FTC instituted enforcement actions against several dietary supplement companies for false and misleading marketing practices and advertising of certain products, including those intended for weight loss. These enforcement actions have resulted in consent decrees and

monetary payments by the companies involved. Although the FTC has never threatened an enforcement action against us for the advertising of our products, there can be no assurance that the FTC will not question the advertising for our products in the future.

Other Information

Our executive offices are located at 135 Beaver Street, Waltham, Massachusetts 02452, and our telephone number is (781) 398-0700. We were incorporated in Texas in 1986 and we re-incorporated in Delaware in March 2000. We maintain websites at www.ilgenetics.com, www.inherenthealth.com and www.periopredict.com. Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and all amendments to such reports are available to you free of charge through the Investor Relations Section of www.ilgenetics.com as soon as practicable after such materials have been electronically filed with, or furnished to, the Securities and Exchange Commission. The information contained on our websites are not incorporated by reference into this Form 10-K. We have included our website addresses only as an inactive textual reference and do not intend them to be active links to our websites.

Item 1A. Risk Factors

Risks Related to Our Business, Our Financial Results and Need for Financing

The timing and amount of revenues, if any, that we may receive pursuant to the Preferred Participation Agreement with RHSC and its affiliates is uncertain.

Although we have entered into the Preferred Participation Agreement with RHSC, for itself and on behalf of certain of its affiliates and subsidiaries, pursuant to which RHSC affiliates are expected to develop and offer dental benefit plans that provide for use of the PerioPredict test and reimbursement of the test at an agreed upon price (each such plan, hereinafter referred to as a “Reimbursed Dental Plan”), the revenues that we may receive under this agreement is dependent upon RHSC’s affiliates ability to develop Reimbursed Dental Plans and to develop a viable market for such plans. RHSC has informed us that the launch of the offering of Reimbursed Dental Plans will occur in a phased approach; with RHSC offering Reimbursed Dental Plans to smaller group plans in early 2014. In the latter half of 2014 and 2015, RHSC is expected to offer Reimbursed Dental Plans to a broader group of employer customers. Accordingly, the earliest that we may receive any significant revenues under this agreement is in the fourth quarter of 2014 or early in 2015, and the timing of any such revenues may be substantially later. We may never receive significant revenues under this agreement. The failure to begin receiving significant revenues under this agreement in 2014 would likely require us to obtain additional funding and would have a material adverse effect on our business.”

There is substantial doubt concerning our ability to continue as a going concern.

Our financial statements have been prepared assuming that we will continue as a going concern which contemplates the realization of assets and satisfaction of liabilities in the normal course of business. We expect to incur further losses in the development of our business and have been dependent on funding operations through the issuance of convertible debt and the sale of equity securities. These conditions raise substantial doubt about our ability to continue as a going concern. Management’s plans include continuing to finance operations through the private or public placement of debt and/or equity securities and increasing revenue through new arrangements with commercial distribution partners. However, no assurance can be given at this time as to whether we will be able to achieve these objectives. The financial statements do not include any adjustment relating to the recoverability and classification of recorded asset amounts or the amounts and classification of liabilities that might be necessary should we be unable to continue as a going concern. We can provide no assurance that we will receive additional funding on reasonable terms, or at all.

We have a history of operating losses and expect these losses to continue in the future.

We have experienced significant operating losses since our inception and expect these losses to continue for some time. We incurred losses from continuing operations of \$5.1 million in 2012 and \$7.1 million in 2013. As of

December 31, 2013, our accumulated deficit was \$114.8 million. Our losses result primarily from research and development, selling, general and administrative expenses and amortization of intangible assets. Although we generate revenues from sales of our genetic risk assessment tests, this may not be sufficient to result in net income in the foreseeable future. We will need to generate significant revenue to continue our research and development programs and achieve profitability. We cannot predict when, if ever, we will achieve profitability.

The market for personalized health generally and genetic risk assessment tests in particular is unproven.

The markets and customer base in the field of personalized health are not well established. Adoption of technologies in this emerging field requires substantial market development and there can be no assurance that channels for marketing our products can or will be successfully developed by us or others, including RHSC. As a result, there can be no assurance that our products will be successfully commercialized or that they can be sold at sufficient volumes to make them profitable. If our potential customers do not accept our products, or take a longer time to accept them than we anticipate, it will reduce our anticipated sales and materially harm our business.

The market for genetic risk assessment tests, as part of the field of personalized health, is at an early stage of development and may not continue to grow. The scientific community, including us, has only a limited understanding of the role of genes in predicting disease. The success of our genetic risk assessment tests will depend upon their acceptance as being useful and cost-effective to the individuals who purchase these products, the physicians and other members of the medical community who recommend or prescribe them, as well as third-party payers, such as insurance companies and the government. We can only achieve broad market acceptance with substantial education about the benefits and limitations of genetic risk assessment tests while providing the tests at a fair cost. For example, it may be difficult to convince the dental community and dental patients that one cleaning per year is sufficient for Low Risk patients, and we expect to expend significant funds and resources to educate dentists and patients with respect to the benefits of our PerioPredict test. There is no assurance that we will be able to successfully do so. Furthermore, while positive media attention resulting from new scientific studies or announcements can spur rapid growth in individual segments of the market, and also impact individual brands, news that challenges individual segments or products can have a negative impact on the industry overall as well as on sales of the challenged segments or products. The marketplace may never accept our products, and we may never be able to successfully commercialize our products, including the PerioPredict test.

We could become subject to intense competition from other companies, which may damage our business.

The field of personalized health is highly competitive. Our potential competitors in the United States and abroad are numerous and include, among others, major pharmaceutical and diagnostic companies, consumer products companies, specialized biotechnology firms, universities and other research institutions. Many of our competitors have considerably greater financial, technical, marketing and other resources. Furthermore, many of these competitors are more experienced than we are in discovering, commercializing and marketing products. These greater resources may allow our competitors to discover important genes or genetic markers and more quickly and effectively develop and commercialize genetic tests than we or our partners are able to do. If we are not able to successfully market genetic tests, either alone or through collaborations such as our Preferred Participation Agreement with RHSC and its affiliates, our business will be materially harmed. We expect competition to intensify in our industry as technical advances are made and become more widely known.

Ethical, legal and social issues related to genetic testing may reduce demand for our products.

Genetic testing has raised concerns regarding the appropriate utilization and the confidentiality of information provided by genetic testing. Genetic tests for assessing a person's likelihood of developing a chronic disease have focused public attention on the need to protect the privacy of genetic information. For example, concerns have been expressed that insurance carriers and employers may use these tests to discriminate on the basis of genetic information, resulting in barriers to the acceptance of genetic tests by consumers. This could lead to governmental authorities prohibiting genetic testing or calling for limits on or regulating the use of genetic testing, particularly for diseases for which there is no known cure. Any of these scenarios could decrease demand for our products.

Technological changes may cause our tests to become obsolete.

We have to date focused our efforts on genetic tests based on a small number of candidate genes. It is now possible to use array technology to conduct whole genome association studies for risk assessment, which may make our technologies obsolete. In order to develop customers and markets for our genetic risk assessment tests, we may be required to invest substantial additional capital and other resources.

We have limited experience and capabilities with respect to distributing, marketing and selling genetic tests on our own and will continue to depend substantially on third parties to commercialize our tests.

We have very limited experience and capabilities with respect to distributing, marketing and selling genetic risk assessment tests on our own. In June 2009, we announced the launch of our new Inherent Health[®] brand of genetic tests. On October 26, 2009, we entered into an agreement with Amway Global, an affiliate of Alticor, pursuant to which it sells our Inherent Health[®] brand of genetics tests through its e-commerce Web site via a hyperlink to our e-commerce site. In 2013 and 2012, revenues from this agreement accounted for 36% and 65% of our revenues, respectively. During 2013 we marketed and distributed our PST[®] test directly to dentists and periodontists via Quest Diagnostic's subsidiary, OralDNA Labs in the U.S. With the PDPS yielding positive results, we entered into the Preferred Participation Agreement obtaining reimbursement coverage for the PerioPredict[®] test from RHSC and its affiliates. Based on this agreement we will no longer sell the test through OralDNA Labs, and we are dependent on the timing of the offering of Reimbursed Dental Plans by RHSC affiliates, which timing is very uncertain at this time, and the ability of RHSC affiliates to successfully commercialize such Reimbursed Dental Plans. In addition, we have started to market and sell our genetic tests through other health care and professional channels, and we may attempt to negotiate marketing and distribution agreements with third parties, although there can be no assurances we will be able to do so. We have, to date, had very limited success in marketing and selling our genetic tests, and we can provide no assurance that our current or planned commercialization efforts will be successful.

If we are unsuccessful in establishing additional strategic alliances, our ability to develop and market products and services may be damaged.

Entering into additional strategic alliances for the development and commercialization of products and services based on our discoveries is an important element of our business strategy. We face significant competition in seeking appropriate collaborators. If we fail to maintain our existing alliances or to establish additional strategic alliances or other alternative arrangements, then our ability to develop and market products and services will be damaged. In addition, the terms of any future strategic alliances may be unfavorable to us or these strategic alliances may be unsuccessful.

Because our products are based on emerging science, if we make changes to our tests based on new scientific findings, market acceptance of our products may decrease and we may be exposed to liability in excess of our product liability insurance coverage.

Our genetic test products are based on emerging science, and we continue to conduct studies to further enhance the usefulness and scientific credibility of our products. If we make changes to our tests based on new data, it could harm our credibility, decrease market acceptance of our products or expose us to liability claims. We currently maintain product liability insurance, but it is often difficult to obtain, is expensive and may not be available in the future on economically acceptable terms. In addition, potential product liability claims may exceed the amount of our insurance coverage or may be excluded from coverage under the terms of our policy. We may become subject to product liability claims that, even if they are without merit, could result in significant legal defense costs to us. If we are held liable for claims for which we are not indemnified or for damages exceeding the limits of our insurance coverage, those claims could materially damage our business and our financial condition. Any product liability claim against us or resulting recall of our products could create significant negative publicity.

Current economic conditions could adversely affect our business and results of operations.

Economic conditions and financial markets have been experiencing extreme disruption including, among other things, extreme volatility in prices of publicly traded securities, severely diminished liquidity, severely restricted credit availability, rating downgrades of certain investments and declining valuations of others. We believe the current economic conditions and financial market turmoil could adversely affect our operations. Uncertainty about current and future economic conditions may cause consumers to reign in their spending generally, the impact of which may be that they stop or delay their purchases of our genetic tests and consumer products. If these circumstances persist or continue to worsen, our future operating results could be adversely affected, particularly relative to our current expectations.

Our dependence on key executives and scientists could adversely impact the development and management of our business.

Our success depends on the ability, experience and performance of our senior management and other key personnel. If we lose one or more of the members of our senior management or other key employees, it could damage our development programs and our business. In addition, our success depends on our ability to continue to hire, train, retain and motivate skilled managerial and scientific personnel. The pool of personnel with the skill that we require is limited. Competition to hire from this limited pool is intense. We compete with numerous pharmaceutical and healthcare companies, as well as universities and non-profit research organizations in the highly competitive Boston, Massachusetts business area. Our current senior management team is employed by us under agreements that may be terminated by them for any reason upon adequate notice. There can be no assurances, therefore, that we will be able to retain our senior executives or replace them, if necessary. We do not maintain key man life insurance on any of our personnel.

If Pyxis or Delta Dental of Michigan or any of their respective affiliates enters a business in competition with ours, certain of our directors might have a conflict of interest.

We have entered into agreements with our stockholders, Pyxis and Delta Dental of Michigan (collectively, with their respective affiliates, the "Interested Parties"), allocating corporate opportunities as permitted under Section 122(17) of the Delaware General Corporation Law. These agreements, regulate and define the conduct of certain of our affairs as they may involve the Interested Parties, and our powers, rights, duties and liabilities and those of our officers and directors in connection with corporate opportunities. Except under certain circumstances, the Interested Parties have the right to engage in the same or similar activities or lines of business or have an interest in the same classes or categories of corporate opportunities as we do. If any Interested Parties or one of our directors appointed by an Interested Party acquire knowledge of a potential transaction or matter that may be a corporate opportunity for both the Interested Party and us, to the fullest extent permitted by law, the Interested Party will not have a duty to inform us about the corporate opportunity. In addition, the Interested Party will not be liable to us or to other stockholders for breach of any fiduciary duty as a stockholder of ours for not informing us of the corporate opportunity, keeping it for its own account, or referring it to another person. Additionally, except under limited circumstances, if an officer or employee of an Interested Party who is also one of our directors is offered a corporate opportunity, such opportunity shall not belong to us. In addition, we agreed that such director will have satisfied his duties to us and not be liable to us or to you in connection with such opportunity.

We may be prohibited from fully using our net operating loss carryforwards, which could affect our financial performance.

As a result of the losses incurred since inception, we have not recorded a federal income tax provision and have recorded a valuation allowance against all future tax benefits of our net operating loss carryforwards. As of December 31, 2013, we had gross net operating loss and research tax credit carryforwards of approximately \$77.6 million and \$1.6 million, respectively, for federal income tax purposes, expiring in varying amounts through the year 2033. As of December 31, 2013, the Company had gross NOL and research tax credit carryforwards of approximately \$470,000 and \$960,000 for state income tax purposes, expiring in varying amounts through the year 2032. Our ability to use these net operating loss and credit carryforwards is subject to restrictions contained in the Internal Revenue Code which provide for limitations on our utilization of our net operating loss and credit carryforwards following a greater than 50% ownership change during the prescribed testing period. We have experienced such ownership changes in March 2003, June 1999, June 2012 and May 2013. As a result, our net operating loss carryforwards that relate to periods prior these dates are limited in utilization. The annual limitation may result in the expiration of the carryforwards prior to utilization. In addition, in order to realize the future tax benefits of our net operating loss and tax credit carryforwards, we must generate taxable income, of which there is no assurance.

Risks Related to Our Intellectual Property

If we fail to obtain patent protection for our products and preserve our trade secrets, then competitors may develop competing products and services, which will likely decrease our sales and market share.

Our success will depend on our ability to obtain patent protection in the United States and in other countries for our products and services. In addition, our success will also depend upon our ability to preserve our trade secrets and to operate without infringing upon the proprietary rights of third parties. We own rights to 11 issued U.S. patents and have a number of additional U.S. patent applications pending. We have also been granted a number of corresponding foreign patents and have a number of foreign counterparts of our U.S. patents and patent applications pending. Our patent positions, and those of other pharmaceutical and biotechnology companies, are generally uncertain and involve complex legal, scientific and factual questions. Our ability to develop and commercialize products and services depends on our ability to:

obtain patents;

obtain licenses to the proprietary rights of others;

prevent others from infringing on our proprietary rights; and

protect trade secrets.

Our pending patent applications may not result in issued patents and any issued patents may never afford meaningful protection for our technology or products or provide us with a competitive advantage. Further, others may develop competing products, which avoid legally infringing upon, or conflicting with, our patents. There is no assurance that another company will not replicate one or more of our products, and this may harm our ability to do business. In addition, competitors may challenge any patents issued to us, and these patents may subsequently be narrowed, invalidated or circumvented.

From time to time, the U.S. Supreme Court, other federal courts, the U.S. Congress or the USPTO may change the standards of patentability and any such changes could have a negative impact on our business. There have been several cases involving “gene patents” and diagnostic claims that have been considered by the U.S. Supreme Court. A suit brought by multiple plaintiffs, including the American Civil Liberties Union, or ACLU, against Myriad Genetics, or Myriad, and the USPTO, could impact biotechnology and diagnostic patents. That case involves certain of Myriad’s U.S. patents related to the breast cancer susceptibility genes BRCA1 and BRCA2. The Federal Circuit issued a written decision on July 29, 2011 that reversed the decision of the U.S. District Court for the Southern District of New York that Myriad’s composition claims to “isolated” DNA molecules cover unpatentable subject matter. The Federal Circuit court instead held that the breast cancer genes are patentable subject matter. Subsequently, on March 20, 2012, the Supreme Court issued a decision in *Mayo Collaborative v. Prometheus Laboratories*, or Prometheus, a case involving patent claims directed to optimizing the amount of drug administered to a specific patient. According to that decision, Prometheus’ claims failed to add enough inventive content to the underlying correlations to allow the processes they describe to qualify as patent-eligible processes that apply natural laws. The Supreme Court subsequently granted *certiorari* in the Myriad case, vacated the judgment, and remanded the case back to the Federal Circuit for further consideration in light of their decision in the Prometheus case. The Federal Circuit heard oral arguments on July 20, 2012, and issued a decision on August 16, 2012. The Federal Circuit reaffirmed its earlier decision and held that composition of matter claims directed to isolated nucleic acids are patent-eligible subject matter, but that method claims consisting of only abstract mental processes are not patent-eligible. On September 25, 2012, the ACLU filed a petition for a *writ of certiorari* asking the Supreme Court to review the Federal Circuit’s decision with respect to the composition of matter claims. On November 30, 2012, the Supreme Court granted the petition and agreed to review the case. On June 13, 2013, the Supreme Court issued a decision in the Myriad case. According to the decision, claims directed to genomic DNA cover unpatentable subject matter. However, claims directed to cDNA are patent eligible subject matter.

On March 4, 2014, the USPTO issued a memorandum to patent examiners providing guidelines for examining process claims for patent eligibility in view of the Supreme Court decision in Prometheus. The guidance indicates that claims directed to a law of nature, a natural phenomenon, or an abstract idea that do not meet the eligibility requirements should be rejected as non-statutory subject matter. We cannot assure you that our patent portfolio will not be negatively impacted by the decision described above, rulings in other cases or changes in guidance or procedures issued by the USPTO.

Congress directed the USPTO to study effective ways to provide independent, confirming genetic diagnostic test activity where gene patents and exclusive licensing for primary genetic diagnostic tests exist. This study will examine the impact that independent second opinion testing has on providing medical care to patients; the effect that providing independent second opinion genetic diagnostic testing would have on the existing patent and license holders of an exclusive genetic test; the impact of current practices on testing results and performance; and the role of insurance coverage on the provision of genetic diagnostic tests. The USPTO was directed to report the findings of the study to Congress and provide recommendations for establishing the availability of independent confirming genetic diagnostic test activity by June 16, 2012. On August 28, 2012, the Department of Commerce sent a letter to the House and Senate Judiciary Committee leadership updating them on the status of the genetic testing report. The letter stated in part: “Given the complexity and diversity of the opinions, comments, and suggestions provided by interested parties, and the important policy considerations involved, we believe that further review, discussion, and analysis are required before a final report can be submitted to Congress.” The USPTO issued a Request for Comments and Notice of Public Hearing on Genetic Diagnostic Testing on January 25, 2012, and held additional public hearings in February and March 2013. It is unclear whether the results of this study will be acted upon by the USPTO or result in Congressional efforts to change the law or process in a manner that could negatively impact our present or future patent portfolio.

There can be no assurance that the Supreme Court’s decision in either the Myriad or Prometheus case will not have a negative impact gene or diagnostic patents generally or the ability of biotechnology and diagnostic companies to obtain or enforce their patents in the future. Such negative decisions by the Supreme Court could have a material

adverse effect on our existing patent portfolio and our ability to protect and enforce our intellectual property in the future.

We also rely on trade secrets and proprietary know-how that we seek to protect, in part, with confidentiality agreements. The third parties we contract with may breach these agreements, and we may not have adequate remedies for any breach. If they do not protect our rights, third parties could use our technology, and our ability to compete in the market would be reduced. We also realize that our trade secrets may become known through other means not currently foreseen by us. Our competitors may discover or independently develop our trade secrets.

Third parties may own or control patents or patent applications and require us to seek licenses, which could increase our costs or prevent us from developing or marketing our products or services.

We may not have rights under patents or patent applications that are related to our current or proposed products. Third parties may own or control these patents and patent applications in the United States and abroad. Therefore, in some cases, to develop or sell any proposed products or services with patent rights controlled by third parties, our collaborators or ourselves may seek, or may be required to seek, licenses under third-party patents and patent applications. If this occurs, we may have to pay license fees, royalties or both, to the licensor. If licenses are not available to us on acceptable terms, our collaborators or we may be prohibited from developing or selling our products or services.

Risks Related to Development, Clinical Testing and Regulatory Approval of Our Tests

Any tests that may be developed by us may be subject to regulatory clearance or approval, which can be lengthy, costly and burdensome.

Our currently marketed tests were launched as laboratory developed tests, or LDTs, performed in our CLIA-certified clinical laboratory operating in Waltham, Massachusetts. We expect that our future LDTs will also be performed at our CLIA-certified laboratory. Although FDA believes that tests such as ours fall within its jurisdiction as medical devices, it has historically exercised enforcement discretion with respect to LDTs, meaning that such tests generally have not been subject to FDA regulatory requirements. However, the Agency's regulatory approach to LDTs is in a period of transition. FDA officials have stated that direct-to-consumer (DTC) genetic tests that make medical claims will no longer be subject to enforcement discretion and the FDA sent the Company a letter in July 2010 consistent with this change in Agency position. However, FDA has not stated what specific requirements will apply to LDTs sold DTC and we have not received any feedback from FDA regarding the plan we submitted to it in January 2011. FDA convened an advisory panel in March 2011 to make recommendations regarding oversight of DTC genetic tests. Following the meeting, the director of OIVD stated that FDA would likely need to take a case-by-case approach with respect to which types of genetic tests could be offered DTC. We are uncertain as to what, if any, regulatory requirements may apply to our tests in the future. We cannot provide any assurance that FDA regulation, including pre-market review or approval, will not be required in the future, or that our tests will be permitted to be offered DTC.

If FDA requires us to obtain clearance through its 510k premarket notification process or obtain approval through its premarket approval, or PMA, process, either as a condition of continuing to market our tests or bringing future tests to market, our business could be negatively impacted. Requiring FDA clearance or approval could be lengthy, costly and burdensome. In addition, depending upon FDA's response to a submission we may be required to stop selling our tests, revise our tests significantly, or delay introduction of new tests. Additionally, if our tests become subject to more active regulation as medical devices by FDA, we would be required to comply with other regulatory requirements, including facility registration, device listing, adverse event reporting, and good manufacturing practices. We would also be subject to penalties, including seizure and injunction, for noncompliance with FDA requirements. Complying with FDA requirements could add additional costs and burdens to our operations.

We are subject to government regulation which may significantly increase our costs and delay introduction of our products.

We are subject to a variety of federal and state legal requirements including CLIA, the FD&C Act, state clinical laboratory licensure laws and implementing regulations. The growth of our business may increase the potential of being found in violation of these laws. Our risk of being found in violation of these laws and regulations is further increased by the fact that the technologies at issue are new and the applicability of statutory and regulatory provisions to these technologies has not been fully developed, implemented, or subjected to judicial review, and the statutory and regulatory provisions themselves are open to a variety of interpretations. Any action brought against us, or any

business partners, for violation of these laws or regulations, even if we or they successfully defend against it, could cause us to incur significant legal expenses and divert our management's attention from the operation of our business. If their or our operations are found to be in violation of any of these laws and regulations, they or we may be subject to any applicable penalty associated with the violation, including civil and criminal penalties, damages and fines, and they or we could be required to curtail or cease operations. Any of the foregoing consequences could seriously harm our business and our financial results.

If we do not comply with governmental regulations applicable to our CLIA-certified laboratory, we may not be able to continue our operations.

The establishment and operation of our laboratory is subject to regulation by numerous federal, state and local governmental authorities in the United States. The laboratory holds a CLIA certificate of compliance and is licensed by the Commonwealth of Massachusetts, and other states as required, which enables us to provide testing services to residents of most other states. Failure to comply with state regulations or changes in state regulatory requirements, could result in a substantial curtailment or even prohibition of the operations of our laboratory and could have a material adverse effect on our business. CLIA is a federal law that regulates clinical laboratories that perform testing on human specimens for the purpose of providing information for the diagnosis, prevention or treatment of disease. To renew CLIA certification, laboratories are subject to survey and inspection every two years. Moreover, CLIA inspectors may make unannounced inspections of these laboratories. If we were to lose our CLIA certification or our state licenses, whether as a result of a revocation, suspension or limitation, we would no longer be able to continue our testing operations which would have a material adverse effect on our business.

Tests based on our technology may require clinical trial testing, which can be lengthy, costly and burdensome.

If the FDA decides to require pre-market clearance or approval of LDT's, we may be required to perform clinical trials prior to submitting a marketing application. If we are required to conduct clinical trials, whether using prospectively acquired tissue samples or archival samples, delays in the commencement or completion of clinical testing could significantly increase development costs and delay commercialization. The commencement of clinical trials may be delayed due to insufficient patient enrollment, which is a function of many factors, including the size of the patient population and the nature of the disease or condition being studied.

Future therapeutic collaborators, if any, may be unable to obtain regulatory approval of any therapeutic product that they may develop.

If, in the future, we enter into any collaborations relating to the use of our technology in the development of therapeutic products, any therapeutic products that our collaborators may develop will be subject to extensive governmental regulations relating to development, clinical trials, manufacturing and commercialization. Rigorous preclinical testing and clinical trials and an extensive regulatory review process are required to be successfully completed in the United States and in many foreign jurisdictions before a new therapeutic product can be sold. Satisfaction of these and other regulatory requirements is costly, time consuming, uncertain and subject to unanticipated delays. The time required to obtain FDA and other approvals for therapeutic products is unpredictable but typically exceeds several years. It is possible that none of the therapeutic products our collaborators may develop will obtain the appropriate regulatory approvals necessary for us or our collaborators to begin selling them. In addition, if the use of any test that we develop is necessary for the safe use of a collaborator's therapeutic product, we might be required to obtain clearance or approval of our test.

Furthermore, any regulatory approval to market a therapeutic product may be subject to limitations on the indicated uses. These limitations may limit the size of the market for the therapeutic product. Any therapeutic product that our collaborators may develop will also be subject to numerous foreign regulatory requirements governing the conduct of clinical trials, manufacturing and marketing authorization, pricing and third-party reimbursement. The foreign regulatory approval process includes all of the risks associated with FDA approval described above as well as risks attributable to the satisfaction of local regulations in foreign jurisdictions. Therefore, approval by the FDA of a therapeutic product does not assure approval by regulatory authorities outside the United States or vice versa.

If we fail to comply with regulatory requirements, we could be subject to enforcement actions, which could affect our ability to market and sell our tests and may harm our reputation.

If we in the future fail to comply with applicable federal, state or foreign laws or regulations, we could be subject to enforcement actions, which could affect the ability to successfully develop, market and sell our tests and could harm our reputation and lead to reduced acceptance of such tests or products by the market. These enforcement actions could include:

- warning letters;
- recalls, public notification or medical device safety alerts;
- restrictions on, or prohibitions against, marketing such tests or products;
- product seizures;

injunctions;

civil penalties, including monetary fines; and

criminal penalties.

If we do not comply with laws regulating the protection of the environment and health and human safety, our business could be adversely affected.

Our research and development activities involve the use of hazardous and chemicals materials, and we maintain quantities of various flammable and toxic chemicals in our facilities. We believe our procedures for storing, handling and disposing these materials in our facilities comply with the relevant local and Federal guidelines. Although we believe that our safety procedures for handling and disposing of these materials comply with the standards mandated by applicable regulations, the risk of accidental contamination or injury from these materials cannot be eliminated. If an accident occurs, we could be held liable for resulting damages, which could be substantial. We are also subject to numerous environmental, health and workplace safety laws and regulations, including those governing laboratory procedures, exposure to blood-borne pathogens and the handling of biohazardous materials. We may incur substantial costs to comply with, and substantial fines or penalties if we violate, any of these laws or regulations.

Changes in healthcare policy could impact commercialization of our tests, particularly our PerioPredict test.

In March 2010, the Patient Protection and Affordable Care Act, as amended by the Health Care and Education Affordability Reconciliation Act, or the ACA, became law. This law substantially changes the way health care is financed by both governmental and private insurers. The ACA contains a number of provisions that may impact our business and operations in ways we cannot currently predict. In particular, we believe that the ACA may impact adoption of Reimbursed Dental Plans that include our PerioPredict test because there is uncertainty in the cost of compliance with the ACA and how that may impact employer coverage for adult dental care in their overall benefits plan.

In addition to the ACA, there will likely continue to be proposals by legislators at both the federal and state levels, regulators and third-party payors to reduce costs while expanding individual healthcare benefits. Certain of these changes could impose additional limitations on the prices we will be able to charge for our tests or the amounts of reimbursement available for our tests from governmental agencies or third-party payors. While in general it is too early to predict specifically what effect the ACA or any future healthcare reform legislation or policies will have on our business, current and future healthcare reform legislation and policies could have a material adverse effect on our business and financial condition.

Risks Related to Our Common Stock

We were delisted from the NYSE Amex in 2010 resulting in a more limited market for our common stock.

On December 23, 2008, we were notified of our failure to comply with the NYSE Amex, hereinafter referred to as the Exchange, continued listing standards under section 1003 of the Exchange's Company Guide. As a result, our common stock was suspended from the Exchange effective with the open of business on August 16, 2010 and began trading on the OTCQB under the symbol ILIU. The delisting by the Exchange could hurt our investors by reducing the liquidity and market price of our common stock. Additionally, the delisting could negatively affect us by reducing the number of investors willing to hold or acquire our common stock, which could negatively affect our ability to raise capital.

Our stock price has been and is likely to continue to be volatile and the market price of our common stock may drop.

In the two years ended December 31, 2013, our stock price has fluctuated from a low of \$0.17 to a high of \$0.55. Furthermore, the stock market has experienced significant volatility. The volatility of stocks for companies in our industry often does not relate to the operating performance of the companies represented by the stock. Some of the factors that may cause the market price of our common stock to fluctuate include:

- the timing and commercial success of the launch of Reimbursed Dental Plans that use our PerioPredict test;
- demand for and acceptance of our products;

- our ability to develop new relationships and maintain and enhance existing relationships with strategic partners;
- regulatory developments or enforcement in the United States and foreign countries;
- developments or disputes concerning patents or other proprietary rights;
- introduction of technological innovations or new products or services by us or our competitors;
- failure to secure adequate capital to fund our operations, or the issuance of equity securities at prices below fair market price;
- changes in estimates or recommendations by securities analysts, if any cover our common stock;
- litigation;
- future sales of our common stock;
- general market conditions;
- economic and other external factors or other disasters or crises;
- period-to-period fluctuations in our financial results; and
- overall fluctuations in U.S. equity markets.

These and other external factors may cause the market price and demand for our common stock to fluctuate substantially, which may limit or prevent investors from readily selling their shares of common stock and may otherwise negatively affect the liquidity of our common stock. In addition, in the past, when the market price of a stock has been volatile, holders of that stock have instituted securities class action litigation against the company that issued the stock. If any of our stockholders brought a lawsuit against us, we could incur substantial costs defending the lawsuit. Such a lawsuit could also divert the time and attention of our management.

Our management and their affiliates own a significant percentage of our stock and will be able to exercise significant influence over matters subject to stockholder approval.

As of March 15, 2014, our executive officers, directors and their respective affiliates, beneficially owned approximately 47.6% of our outstanding common stock. Accordingly, these stockholders will be able to exert a significant degree of influence over our management and affairs and over matters requiring stockholder approval, including the election of our board of directors and approval of significant corporate transactions. This concentration of ownership could have the effect of entrenching our management and/or the board of directors, delaying or preventing a change in our control or otherwise discouraging a potential acquirer from attempting to obtain control of us, which in turn could have a material and adverse effect on the fair market value of our common stock.

We do not expect to pay dividends for the foreseeable future and you should not expect to receive any funds without selling your shares of common stock, which you may only be able to do at a loss.

We have never declared or paid any cash dividends on our capital stock. We currently intend to retain any earnings for use in the operation and expansion of our business and do not anticipate paying any cash dividends on our common stock in the foreseeable future. Therefore, you should not expect to receive any funds without selling your shares, which you may only be able to do at a loss.

Item 1B. Unresolved Staff Comments

Not applicable.

Item 2. Properties

We lease approximately 19,000 square feet of office and laboratory space at 135 Beaver Street, Waltham, Massachusetts 02452, pursuant to a lease that expires March 31, 2014. In April 2010, we entered into a sublease for approximately 6,000 square feet of unused office and laboratory space. The sublease expires March 31, 2014 when the master lease expires. Our current office and genetic testing facilities are not impacted by the sublease. On February 7, 2014 we executed an amendment to our master lease extending the term of our lease for approximately 13,000 square feet for an additional three years expiring in March 2017. The subleased space is not included in the amendment and will be returned to the landlord. We believe that within our current facility we have the capacity to have our operations grow in the future.

Item 3. Legal Proceedings

Not applicable.

Item 4. Mine Safety Disclosures

Not applicable.

PART II**Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities****Market Information**

Our common stock currently trades under the symbol "ILIU" on the OTCQB . The following table sets forth, for the periods indicated, the high and low sales prices for our common stock, as reported by the OTCQB .

	High	Low
2013:		
First Quarter	\$ 0.52	\$ 0.23
Second Quarter	\$ 0.55	\$ 0.35
Third Quarter	\$ 0.50	\$ 0.31
Fourth Quarter	\$ 0.39	\$ 0.30
	High	Low
2012:		
First Quarter	\$ 0.35	\$ 0.17
Second Quarter	\$ 0.33	\$ 0.23
Third Quarter	\$ 0.55	\$ 0.28
Fourth Quarter	\$ 0.46	\$ 0.26

Stockholders

Explanation of Responses:

As of March 15, 2014, there were approximately 112 stockholders of record and according to our estimate, approximately 3,300 beneficial owners of our common stock.

Dividends

We have not declared any dividends to date and do not plan to declare any dividends on our common stock in the foreseeable future. Furthermore, our credit facility with Pyxis prohibits us from paying cash dividends without Pyxis' consent.

Sales of Unregistered Securities

Not applicable.

Issuer Purchases of Equity Securities

Not applicable.

Item 6. Selected Financial Data

As a smaller reporting company, we have elected scaled disclosure reporting obligations and therefore are not required to provide the information required by this Item 6.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion of our financial condition and results of operations should be read in conjunction with our audited Financial Statements and the notes thereto included elsewhere in this Annual Report on Form 10-K. As a smaller reporting company, we have elected scaled disclosure reporting obligations and therefore are required to provide the information requested by this Item 7 for only the last two most recent fiscal years.

General Overview and Trends

Interleukin Genetics, Inc. is a personalized health company that develops specific, health area focused, unique genetic tests. Our overall mission is to provide test products that can help individuals improve or maintain their health through preventive measures or lifestyle changes. Our vision is to use the science of applied genetics to empower individuals and physicians to better understand the set of actions and steps necessary to guide the best lifestyle and treatment options. We believe that the science of applied genetics can help companies provide improved services to their consumers, and assist in improving outcomes in drug development and use.

During the year ended December 31, 2013, we continued to focus our resources on commercializing our PerioPredict test following completion of the PDPS, the large validation study with the University of Michigan and Renaissance Health Services Corporation ("RHSC") and on the sales of our Inherent Health® brand of genetic tests and related programs.

On February 25, 2013, we entered into a Preferred Participation Agreement with RHSC, for itself and on behalf of certain of its affiliates and subsidiaries, which was amended and restated on November 1, 2013. Pursuant to this agreement, affiliates of RHSC agreed to reimburse us a fixed price for each PerioPredict genetic test that we process for a customer of affiliates of RHSC. In addition, if during the term of the agreement we offer the PerioPredict test to any other person or party for a lower price, such lower price would then be applicable to tests processed for a customer of such affiliates of RHSC for the remainder of the term of the agreement.

RHSC and its affiliates will continue to receive the preferred pricing (or any lower market price during the term) only for so long as affiliates of RHSC continue to: (a) work to develop and to offer dental plans for which a significant portion of such affiliates' clients are eligible that provides for use of the PerioPredict test and reimbursement of the test at the agreed upon price (each such plan, hereinafter referred to as a "Reimbursed Dental Plan") for which a significant portion of employees of RHSC's affiliates' customers are eligible; and (b) exercise their commercially-reasonable best efforts to maximize the number of customers that offer a Reimbursed Dental Plan. This amended agreement has a term of three years beginning February 25, 2013, unless terminated earlier (1) upon the mutual written agreement of us and RHSC, (2) if either party becomes the subject of bankruptcy, insolvency, liquidation or other similar proceedings, or (3) in the event of an uncured breach of the amended agreement by either party.

Explanation of Responses:

The timing of any revenues that we may receive under the amended agreement with RHSC is dependent upon the timing of the offering of Reimbursed Dental Plans, which timing is very uncertain at this time and is dependent on a viable market developing for such plans. RHSC intends to offer Reimbursed Dental Plans in a phased approach, beginning with smaller group plans in early 2014. In the latter half of 2014 and 2015, RHSC is expected to offer Reimbursed Dental Plans to a broader group of employer customers. We do not expect to receive any significant revenues under this agreement until the fourth quarter of 2014 or early in 2015, at the earliest, and the timing of any such revenues may be substantially later. We may never receive significant revenues under this agreement.

Our Inherent Health® brand of genetic tests includes the first-of-its-kind test for weight management that identifies an individual's genetic tendencies for weight gain related to either fat or carbohydrates in the diet. The Inherent Health® brand also offers customers a full suite of affordable, easy-to-use and meaningful genetic tests in heart health, bone health and nutritional needs. In addition, we launched additional products under the name Wellness Select that allows our e-commerce customers to purchase any combination of our Inherent Health® genetic tests at a discounted price.

We market our Inherent Health® brand of genetic assessment tests primarily through our commercial relationships with Alticor Inc. affiliated companies. Alticor is a related party. On October 26, 2009, we entered into a Merchant Network and Channel Partner Agreement with Amway Corp., d/b/a/ Amway Global ("Amway Global"), a subsidiary of Alticor. Pursuant to this agreement, Amway Global sells our Inherent Health® brand of genetic tests through its e-commerce website via a hyperlink to our e-commerce site. In 2013 and 2012, revenues from this agreement accounted for approximately 36% and 65% of our revenues, respectively.

Beginning in September 2012 and again in 2013, Access Business Group LLC ("ABG"), an affiliate of Alticor, placed purchase orders for our Weight Management genetic test kits totaling approximately \$3.3 million. The kits are included as part of a promotional bundle of products that Amway is now selling to their Individual Business Owners (IBOs) pursuant to programs in 2013 and 2014. Of the \$3.3 million in orders \$1.8 million was received in 2013 for the 2014 program and \$1.5 million for the 2013 program. The 2013 program was amended by ABG so that it would not expire at December 31, 2013. Rather than having all program kits expire at December 31, 2013, cash received from the orders will remain in deferred revenue until the tests are returned and processed.

On September 21, 2012, we entered into a License Agreement with Access Business Group International LLC ("ABGI"), an affiliate of Alticor. Pursuant to this License Agreement, we granted ABGI and its affiliates a non-exclusive license to use the technology related to our Weight Management genetic test and to sell the Weight Management test in Europe, Russia and South Africa. ABGI, or a laboratory designated by ABGI, is responsible for processing the tests, and we receive a royalty for each test sold. The License Agreement has an initial term of five years from the date of first commercial sale of the Weight Management test under the agreement. In 2013, we received \$198,960 in license fees under this License Agreement.

Our research and development expenses are focused on our own development and commercialization efforts related primarily to our PerioPredict and Osteoarthritis genetic tests. We are also focusing on seeking potential commercial partners to validate our technology within their specific business model as a collaboration with little or no cost to us. This is different than in prior years when our development focus was concentrated in research and development to bring new test configurations to market.

On May 17, 2013, we entered into a Common Stock Purchase Agreement (the "Purchase Agreement") with various accredited investors (the "Purchasers"), pursuant to which we sold securities to the Purchasers in a private placement transaction (the "May 2013 Private Placement"). In the May 2013 Private Placement, we sold an aggregate of 43,715,847 shares of our common stock at a price of \$0.2745 per share for gross proceeds of \$12,000,000. The Purchasers also received warrants to purchase up to an aggregate of 32,786,885 shares of common stock an exercise price of \$0.2745 per share (the "Warrants"). The Warrants are all currently exercisable and have a term of seven years from the date they became exercisable.

In addition, pursuant to the Purchase Agreement, each Purchaser has the right, at any time on or before June 30, 2014 (the "Expiration Date"), to purchase at one or more subsequent closings its pro rata share of up to an aggregate of 18,214,936 additional shares of common stock at a purchase price of \$0.2745 per share and warrants to purchase up to an aggregate of 13,661,201 shares of common stock at an exercise price of \$0.2745 per share (the "Additional Investment"). If, prior to the Expiration Date, Purchasers have not purchased their entire pro rata share of the Additional Investment, Purchasers who have purchased their entire pro rata share of the Additional Investment, will be entitled to purchase the unsold portion of the Additional Investment.

We recognize revenue from genetic testing services when there is persuasive evidence of an arrangement, service has been rendered, the sales price is determinable and collectability is reasonably assured. Service is deemed to be rendered when the results have been reported to the individual who ordered the test. To the extent that tests have been prepaid but results have not yet been reported, recognition of all related revenue is deferred. During the fourth quarter of 2013, we concluded that sufficient historical customer genetic test redemption patterns existed to determine the period of time after which the likelihood of test redemption was remote for Inherent Health purchased tests purchased. Based on our analysis of the redemption data, we estimate that period of time to be three years after the sale of a genetic test kit. Prior to making this determination, revenue was recognized only on test kits returned and processed. Beginning in the fourth quarter of 2013, we began to recognize breakage revenue related to genetic tests kits utilizing the remote method. Under the remote method, breakage revenue should be recognized when the likelihood of the customer exercising rights of redemption becomes remote. The term remote requires statistical analysis of customer redemption patterns for all tests sold and returned. We analyzed redemption patterns from 2009 through 2013. Included in genetic test revenue in the fourth quarter of 2013 is \$213,000 of breakage revenue related to unredeemed genetic test kits from 2009 and 2010. We will continue to recognize breakage revenue and the corresponding deferred cost of goods as well as analyze the data on a quarterly basis based on the historical analysis.

In the genetic test business, competition is in flux and the markets and customer base are not well established. Adoption of new technologies by consumers requires substantial market development and customer education. Historically, we have focused on our relationship with our primary customer, Alticor, a significant direct marketing company, in order to assist us in developing the market for our products and educating our potential customers. Our challenge in 2013 and beyond will be to develop the market for our other personalized health products, in particular our PerioPredict test. We continue to allocate considerable resources to commercialization of our PerioPredict and Inherent Health® brands of genetic tests. Due to the early stage of these initiatives, we cannot predict with certainty fluctuations we may experience in our genetic test revenues or whether revenues derived from the Preferred Participation Agreement with RHSC and its affiliates or from our arrangements with Alticor-affiliated entities will ever be material, or if material, will be sustained in future periods.

Liquidity and Capital Resources

As of December 31, 2013, we had cash and cash equivalents of \$7.5 million.

Cash used in operations was \$4.0 million for the year ended December 31, 2013 compared to \$4.5 million for the year ended December 31, 2012. Cash used in operations is primarily impacted by operating results and changes in working capital, particularly the timing of the collection of related party receivables, inventory levels, receipt of orders and the timing of payments to suppliers. In the year ended December 31, 2013, approximately \$3.3 million was received as payment for weight management kits ordered as part of ABG's promotional product bundle incorporating our weight management genetic test. In addition, \$198,960 in royalties was received under our License Agreement with ABGI. Deferred revenue, which consists of cash received from genetic test sales increased by \$2.4 million to \$4.0 million during the year ended December 31, 2013.

Cash used in investing activities was \$832,000 for the year ended December 31, 2013, compared to \$5,000 for the year ended December 31, 2012. Capital additions were \$838,000 for the year ended December 31, 2013 compared to \$5,000 for the year ended December 31, 2012. Approximately \$661,000 of genetic test laboratory automation processing equipment was purchased for the introduction of our PerioPredict periodontal genetic test beginning in January 2014. In addition \$139,000 relates to the development of internal-use software. At December 31, 2013, \$375,000 of laboratory equipment and \$47,000 of internal-use software is reflected in accounts payable with a corresponding entry to fixed assets. We expect additional capital purchases may be needed in the foreseeable future to further automate some of our laboratory process as we start to process samples related to our PerioPredict test.

Cash provided by financing activities was \$11.1 million for the year ended December 31, 2013 compared to \$4.0 million for the year ended December 31, 2012. On May 17, 2013, we sold an aggregate of 43,715,847 shares of our common stock, at a price of \$0.2745 per share in the May 2013 Private Placement for net cash proceeds of \$11.0 million. On April 13, 2012, we received \$1.3 million in proceeds from the issuance of a note payable under our credit facility with Pyxis. On June 29, 2012, we completed a financing with Delta Dental of Michigan, Inc. (“DDMI”), pursuant to which DDMI purchased 500,000 shares of Series B Convertible Preferred Stock for gross proceeds of \$3,000,000. All costs associated with this transaction were paid in the third quarter of 2012. We received \$31,453 from stock purchases through the employee stock purchase plan during the year ended December 31, 2013 compared to \$8,810 for the year ended December 31, 2012. We received \$80,520 from the exercise of employee stock options in the year ended December 31, 2013 while none were exercised in the same period in 2012.

The amount of cash we generate from operations is currently not sufficient to continue to fund operations and grow our business. We expect that our current and anticipated financial resources, including the proceeds from the May 2013 Private Placement and assuming the receipt of an additional \$5 million in gross proceeds from the second tranche of the May 2013 Private Placement will be adequate to maintain our current and planned operations at least through the next twelve months. If we do not receive the additional \$5 million from our current investors we will be forced to seek additional funding sources. If we are unable to obtain such funding, we may have to end our operations and seek protection under bankruptcy laws. We may need significant additional capital to fund our continued operations, to facilitate the commercial launch of our PerioPredict genetic test, for continued research and development efforts, and for obtaining and protecting patents and administrative expenses. We believe our success depends on our ability to have sufficient capital and liquidity to fund operations at least until we begin to receive significant revenues under the Preferred Participation Agreement with RHSC and its affiliates. The timing of any revenues that we may receive under this agreement is dependent upon the timing of the offering of Reimbursed Dental Plans by RHSC affiliates, which timing is uncertain at this time, and is contingent upon a number of factors, including RHSC's affiliates' ability to develop reimbursed Dental Plans and to develop a viable market for such plans. RHSC intends to offer Reimbursed Dental Plans in a phased approach, beginning with smaller group plans in early 2014. In the latter half of 2014 and 2015, RHSC is expected to offer Reimbursed Dental Plans to a broader group of employer customers. We do not expect to receive any significant revenues under this agreement until the fourth quarter of 2014 or early in 2015, at the earliest, and the timing of any such revenues may be substantially later. We may never receive significant revenues under this agreement.

Until such time, if ever, that we generate revenues sufficient to fund operations, we may fund our operations by issuing common stock, debt or other securities in one or more public or private offerings, as market conditions permit, or through the incurrence of debt from commercial lenders. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the ownership interest of our existing stockholders will be diluted, and the terms may include liquidation or other preferences that adversely affect the rights of our stockholders. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring debt, making capital expenditures or declaring dividends. There can be no assurance that additional funds will be available when we need them on terms that are acceptable to us, or at all. If adequate funds are not available to us on a timely basis, we may be required to delay, limit, reduce or cease activities or operations or enter into licenses or other arrangements with third parties on terms that may be unfavorable to us or sell, license or relinquish rights to develop or commercialize our products, technologies or intellectual property. However, no assurance can be given at this time as to whether we will be able to achieve these objectives. The financial statements do not include any adjustment relating to the recoverability and classification of recorded asset amounts or the amounts and classification of liabilities that might be necessary should we be unable to continue as a going concern.

Results of Operations

Years Ended December 31, 2013 and 2012

Total revenue was \$2.4 million for the year ended December 31, 2013 compared to \$2.2 million for the year ended December 31, 2012. The increase of \$193,000, or 8.6%, is primarily attributable to \$213,000 of breakage revenue related to unredeemed genetic test kits recognized during the fourth quarter of 2013 and \$199,000 of royalty income related to our license agreement with ABGI, offset by lower genetic test processing revenue.

During the year ended December 31, 2013, 36% of our sales revenue came through our Merchant Network and Channel Partner Agreement with Amway Global compared to 65% during the year ended December 31, 2012. During the same period, 40% and 0%, respectively, of our revenue came from sales through ABG's promotional product bundle program.

Cost of revenue for the year ended December 31, 2013 was \$1.6 million, or 73.1% of revenue, compared to \$1.3 million, or 59.4% of revenue, for the year ended December 31, 2012. The increase in the cost of revenue as a percentage of revenue is primarily attributable to increased laboratory costs associated with processing genetic tests, processed at a lower selling price, as compared to the year ended December 31, 2012. Deferred cost of revenue related to breakage revenue was \$10,500 for the year ended December 31, 2013. No breakage revenue or costs were recognized in 2012.

Research and development expenses were \$722,000 for the year ended December 31, 2013, compared to \$1.3 million for the year ended December 31, 2012. The decrease of \$590,000, or 45.0%, in research and development expenses is primarily attributable to decreased compensation, consulting and clinical study costs. In the first quarter of 2013, our Chief Scientific Officer had fully transitioned to his role as Chief Executive Officer and, accordingly, related compensation costs were classified as part of selling, general and administrative expenses in the 2013 period whereas such costs had previously been classified as research and development expenses.

Selling, general and administrative expenses were \$6.6 million for the year ended December 31, 2013, compared to \$4.2 million for the year ended December 31, 2012. The increase of \$2.4 million, or 58.2%, is primarily attributable to increased expenses related to marketing activities for our PerioPredict periodontal test, increased consulting and compensation expenses partially offset by lower sales commissions paid to Amway Global as part of our Merchant Network and Channel Partner Agreement.

Interest expense was \$472,000 for the year ended December 31, 2013, as compared to \$454,000 for the year ended December 31, 2012. The increase in interest expense in 2013 is attributable to \$298,000 of non cash interest associated with the fair value of the warrant liability partially offset by lower interest expense due to the conversion of all outstanding convertible debt to common stock on May 17, 2013.

Critical Accounting Policies and Estimates

Our discussion and analysis of our financial condition and results of operations are based upon our financial statements. The preparation of these financial statements and related disclosures in conformity with accounting principles generally accepted in the United States of America requires us to (i) make judgments, assumptions and estimates that affect the reported amounts of assets, liabilities, revenue and expenses; and (ii) disclose contingent assets and liabilities. A critical accounting estimate is an assumption that could have a material effect on our consolidated financial statements if another, also reasonable, amount were used or a change in the estimates is reasonably likely from period to period. We base our accounting estimates on historical experience and other factors that we consider reasonable under the circumstances. However, actual results may differ from these estimates. To the extent there are material differences between our estimates and the actual results, our future financial condition and results of operations will be affected. Our most critical accounting policies and estimates upon which our financial condition depends, and which involve the most complex or subjective decisions or assessments are set forth in Note 3 to our financial statements included in Item 8 presented elsewhere herein.

Item 7A. *Quantitative and Qualitative Disclosures About Market Risk*

As a smaller reporting company, we have elected scaled disclosure reporting obligations and therefore are not required to provide the information required by this item 7A.

Item 8. *Financial Statements and Supplementary Data*

**INTERLEUKIN GENETICS, INC.
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Report of Independent Registered Public Accounting Firm

Board of Directors and Stockholders
Interleukin Genetics, Inc.

We have audited the accompanying balance sheets of Interleukin Genetics, Inc. (a Delaware corporation) (the “Company”) as of December 31, 2013 and 2012, and the related statements of operations, stockholders’ deficit, and cash flows for the years then ended. These financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. We were not engaged to perform an audit of the Company’s internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company’s internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Interleukin Genetics, Inc. as of December 31, 2013 and 2012, and the results of its operations and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

The accompanying financial statements have been prepared assuming that the Company will continue as a going concern. As discussed in Note 2 to the financial statements, the Company has incurred recurring losses from operations and has an accumulated deficit that raise substantial doubt about the Company’s ability to continue as a going concern. Management’s plans in regard to these matters are also described in Note 2. The financial statements do not include any adjustments that might result from the outcome of this uncertainty.

/s/ Grant Thornton LLP

Boston, Massachusetts
March 20, 2014

INTERLEUKIN GENETICS, INC.
BALANCE SHEETS

	December 31, 2013	2012
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 7,542,281	\$ 1,225,426
Accounts receivable from related party	534,703	552,572
Trade accounts receivable	8,817	47,560
Inventory	190,424	158,238
Prepaid expenses	676,358	417,772
Total current assets	8,952,583	2,401,568
Fixed assets, net	844,606	126,946
Intangible assets, net	289,865	399,131
Other assets	38,001	38,001
Total assets	\$ 10,125,055	\$ 2,965,646
LIABILITIES AND STOCKHOLDERS' DEFICIT		
Current liabilities:		
Accounts payable	\$ 835,439	\$ 479,182
Accrued expenses	252,953	165,745
Deferred revenue	3,783,441	1,628,264
Total current liabilities	4,871,833	2,273,191
Convertible long-term debt		14,316,255
Total liabilities	4,871,833	16,589,446
Stockholders' deficit:		
Convertible preferred stock, \$0.001 par value 6,000,000 shares authorized; 0 and 5,500,000 shares issued and outstanding at December 31, 2013 and 2012, respectively; aggregate liquidation preference of \$24,000,000 at December 31, 2012		5,500
Common stock, \$0.001 par value 300,000,000 and 150,000,000 shares authorized; 122,448,707 and 36,761,864 shares issued and outstanding at December 31, 2013 and 2012, respectively	122,449	36,762
Additional paid-in capital	119,885,371	94,030,603
Accumulated deficit	(114,754,598)	(107,696,665)
Total stockholders' equity (deficit)	5,253,222	(13,623,800)
Total liabilities and stockholders' equity (deficit)	\$ 10,125,055	\$ 2,965,646

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

INTERLEUKIN GENETICS, INC.**STATEMENTS OF OPERATIONS**

	For The Year Ended December 31,	
	2013	2012
Genetic testing	\$ 2,168,744	\$ 2,154,785
Other	260,868	81,602
Total revenue	2,429,612	2,236,387
Cost of revenue	1,632,497	1,328,538
Gross profit	797,115	907,849
Operating expenses:		
Research and development	721,568	1,311,877
Selling, general and administrative	6,564,807	4,150,607
Amortization of intangibles	109,266	115,453
Total operating expenses	7,395,641	5,577,937
Loss from operations	(6,598,526)	(4,670,088)
Other income (expense):		
Interest income	6,804	4,485
Interest expense	(472,186)	(454,481)
Gain on disposal of asset	5,975	
Total other income (expense)	(459,407)	(449,996)
Loss before income taxes	(7,057,933)	(5,120,084)
Benefit for income taxes		
Net loss	\$ (7,057,933)	\$ (5,120,084)
Basic and diluted net loss per common share	\$ (0.08)	\$ (0.14)
Weighted average common shares outstanding, basic and diluted	90,449,758	36,754,679

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

INTERLEUKIN GENETICS, INC.**STATEMENTS OF STOCKHOLDERS' DEFICIT****For the Years Ended December 31, 2013 and 2012**

	Convertible Preferred Stock		Common Stock		Additional Paid-in Capital	Accumulated Deficit	Total
	Shares	Par Value	Shares	Par Value			
Balance as of December 31, 2011	5,000,000	\$ 5,000	36,709,706	\$ 36,710	\$ 91,111,640	\$ (102,576,581)	\$ (11,423,231)
Net loss						(5,120,084)	(5,120,084)
Private placement of preferred stock, net of offering costs of \$386,030	500,000	500			2,613,470		2,613,970
Warrants issued in connection with private placement of preferred stock					104,907		104,907
Common stock issued: Employee stock purchase plan			52,158	52	8,758		8,810
Stock-based compensation expense					191,828		191,828
Balance as of December 31, 2012	5,500,000	\$ 5,500	36,761,864	\$ 36,762	\$ 94,030,603	\$ (107,696,665)	\$ (13,623,800)
Net loss						(7,057,933)	(7,057,933)
Private placement of common stock, net of offering costs of			43,715,847	43,716	11,265,204		11,308,920

\$1,735,000						
Conversion of preferred stock	(5,500,000)	(5,500)	39,089,161	39,089	(33,589)	
Conversion of convertible debt			2,521,222	2,521	14,313,734	14,316,255
Common stock issued:						
Exercise of stock options			252,000	252	80,268	80,520
Cancellation of restricted stock			(2,500)	(2)	2	
Employee stock purchase plan			111,113	111	31,342	31,453
Stock-based compensation expense					197,807	197,807
Balance as of December 31, 2013			122,448,707	\$ 122,449	\$ 119,885,371	\$ (114,754,598) \$ 5,253,222

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

INTERLEUKIN GENETICS, INC.**STATEMENTS OF CASH FLOWS**

	For the Year Ended December 31,	
	2013	2012
CASH FLOW FROM OPERATING ACTIVITIES:		
Net loss	\$ (7,057,933)	\$ (5,120,084)
Adjustments to reconcile loss from continuing operations to net cash used in operating activities:		
Depreciation and amortization	229,301	282,518
Stock-based compensation expense	197,807	191,828
Change in fair value of warrants	297,547	
Gain on disposal of fixed assets	(5,975)	
Changes in operating assets and liabilities:		
Receivable from related party	17,869	(549,910)
Trade accounts receivable	38,743	8,332
Inventory	(32,186)	(50,480)
Prepaid expenses and other assets	(258,586)	(200,385)
Accounts payable	356,257	109,876
Accrued expenses	87,208	(16,852)
Deferred revenue	2,155,177	803,419
Net cash used in operating activities	(3,974,771)	(4,541,738)
CASH FLOWS FROM INVESTING ACTIVITIES:		
Capital additions	(837,696)	(5,000)
Proceeds from the disposal of fixed assets	5,975	
Net cash used in investing activities	(831,721)	(5,000)
CASH FLOW FROM FINANCING ACTIVITIES:		
Proceeds from issuance of notes receivable		1,316,255
Proceeds from private placement of preferred stock		3,000,000
Proceeds from private placement of common stock	12,000,000	
Private placement offering costs	(988,626)	(281,123)
Proceeds from exercises of employee stock options	80,520	
Proceeds from employee stock purchase plan	31,453	8,810
Net cash provided by financing activities	11,123,347	4,043,942
Net increase (decrease) in cash and equivalents	6,316,855	(502,796)
Cash and cash equivalents, beginning of period	1,225,426	1,728,222
Cash and cash equivalents, end of period	\$ 7,542,281	\$ 1,225,426
Supplemental disclosures of cash flow information:		
Cash paid for interest	\$ 291,914	\$ 436,754
Supplemental disclosures of non-cash investing and financing activities:		
Warrants issued in connection with preferred stock financing	\$	\$ 104,907
Conversion of debt to common stock	\$ 14,316,255	
Interest related to fair value of warrants market adjustment	\$ 297,547	\$

The accompanying notes are an integral part of these financial statements

INTERLEUKIN GENETICS, INC.
NOTES TO FINANCIAL STATEMENTS
December 31, 2013

Note 1 Company Overview

Interleukin Genetics, Inc. (“Interleukin” or “the Company”) is focused on developing and commercializing personalized health products that can help individuals improve and maintain their health through preventive measures. It uses functional genomics to help in the development of risk assessment tests based on the genetic variations in people. Interleukin has commercialized genetic tests for periodontal disease risk assessment, cardiovascular risk assessment, general nutrition assessment, weight management and bone health.

The Company’s current focus is on commercializing its periodontal genetic risk assessment test and its Inherent Health® brand of genetic tests which includes the Company’s Weight Management genetic test.

Note 2 Operating Matters and Liquidity

The Company has experienced net operating losses since its inception through December 31, 2013. The Company had net losses of \$7.1 million and \$5.1 million for the years ended December 31, 2013 and 2012, respectively, contributing to an accumulated deficit of \$114.8 million as of December 31, 2013.

The Company continues to take steps to reduce genetic test processing costs. Cost savings are primarily achieved through test process improvements. Management believes that the current laboratory space is adequate to process high volumes of genetic tests.

As more fully discussed in Note 10 herein, on May 17, 2013, the Company entered into a Common Stock Purchase Agreement with various accredited investors, pursuant to which the Company sold an aggregate of 43,715,847 shares of its common stock in a private placement transaction, at a price of \$0.2745 per share for gross proceeds of \$12,000,000. The investors also received warrants to purchase up to an aggregate of 32,786,885 shares of common stock at an exercise price of \$0.2745 per share. The warrants are exercisable as to 63% of the shares immediately and as to 37% of the shares following receipt of shareholder approval, which occurred on August 9, 2013, of an increase in the number of authorized shares of common stock from 150,000,000 to 300,000,000, and have a term of seven years from the date they became exercisable.

In addition, pursuant to the Common Stock Purchase Agreement, each Purchaser has the right, at any time on or before June 30, 2014, to purchase at one or more subsequent closings its pro rata share of up to an aggregate of \$5,000,000 of additional shares of common stock and warrants on the same terms and conditions as those set forth above. If, prior to June 30, 2014, investors have not purchased their entire pro rata share of such additional investment of \$5,000,000, those who have purchased their entire pro rata share of the additional investment, will be entitled to purchase the unsold portion of the additional investment.

The Company's financial statements have been prepared assuming that it will continue as a going concern which contemplates the realization of assets and satisfaction of liabilities in the normal course of business. The Company expects to incur additional losses in 2014 and, accordingly, is dependent on financings and potential revenue to fund its operations in the commercial launch of the PerioPredict test with Renaissance Health Services Corporation ("RHSC"), the parent corporation of eight Delta Dental member companies operating in their eight respective states. RHSC has begun offering dental plans in a phased launch to smaller employer groups that incorporates our genetic PerioPredict test for plan years beginning in January 2014. The timing of any revenues that we may receive under this agreement is dependent upon the timing of the offering of such plans, which timing is very uncertain at this time, and is contingent upon a number of factors, including RHSC's affiliates' ability to develop such plans and to develop a viable market for such plans. In the latter half of 2014 and 2015, RHSC is expected to offer dental plans that incorporate our genetic test to a broader group of employer customers. The Company expects to have the cash resources necessary, for at least the next twelve months, to support the launch of the PerioPredict genetic test in dental offices in collaboration with RHSC.

The ability of the Company to realize the carrying value of its fixed assets and intangible assets is especially dependent on management's ability to successfully execute on its plan. The Company needs to generate additional funds in order to meet its financial obligations. If it is unsuccessful in doing so, the Company may not be able to realize the carrying value of its fixed assets and intangible assets.

Note 3 Summary of Significant Accounting Policies

Management Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements, as well as the reported amounts of revenue and expenses during the reported periods. Actual results could differ from those estimates. The Company's most critical accounting policies are more fully discussed in these notes to the financial statements.

Revenue Recognition

Revenue from genetic testing services is recognized when there is persuasive evidence of an arrangement, service has been rendered, the sales price is determinable and collectability is reasonably assured. Service is deemed to be rendered when the results have been reported to the individual who ordered the test. To the extent that tests have been prepaid but results have not yet been reported, recognition of all related revenue is deferred. As of December 31, 2013 and 2012, the Company had deferred genetic test revenue of \$3.8 million and \$1.6 million, respectively. Included in deferred revenue at December 31, 2013 is \$584,000 in customer payments in excess of one year old.

During the fourth quarter of 2013, the Company concluded that sufficient historical customer genetic test redemption patterns existed to determine the period of time after which the likelihood of test redemption was remote. Based on the Company's analysis of the redemption data, the Company estimates that period of time to be three years after the sale of a genetic test kit. Prior to making this determination revenue was recognized only on test kits returned and processed.

Beginning in the fourth quarter of 2013, the Company began to recognize breakage revenue related to genetic tests kits utilizing the remote method. Under the remote method, breakage revenue should be recognized when the likelihood of the customer exercising rights of redemption becomes remote. The term remote requires statistical analysis of customer redemption patterns for all tests sold and returned. The Company analyzed redemption patterns from 2009 through 2013. Included in genetic test revenue in the fourth quarter in 2013 is \$213,000 of breakage

revenue related to unredeemed genetic test kits from 2009 and 2010. The Company will continue to recognize breakage revenue and the corresponding deferred cost of goods on a quarterly basis based on the historical analysis.

Sales Commission

The Company accounts for sales commissions due to Amway Global under the Merchant Channel and Partner Agreement in accordance with SEC Staff Accounting Bulletin (“SAB”) 104. Commissions are recorded as an expense at the time they become due which is at the point of sale. The cost of commissions was \$367,000 and \$726,000 for the years ended December 31, 2013 and 2012, respectively.

Accounts Receivable

Accounts receivable is stated at estimated net realizable value, which is generally the invoiced amount less any estimated discount related to payment terms. The Company offers its commercial genetic test customers a 2% cash discount if payment is made by bank wire transfer within 10 days of the invoice date. No accounts receivable reserve is required at December 31, 2013 as all accounts receivable are expected to be collected.

Inventory

Inventory is carried at lower of cost (first-in, first-out method) or market and no inventory reserve is deemed necessary at December 31, 2013. As the Company does not manufacture any products, no overhead costs are included in inventory. When a kit is sold, the corresponding cost of the kit is recorded as cost of goods sold and removed from inventory. The Company has contracted with a fulfillment provider to supply its PerioPredict genetic tests kits to dental offices. The agreement with the provider provides that the vendor will purchase and fulfill all materials related to the genetic test kit and delivery with the Company's approval. The Company pays for materials and fulfillment charges when the product is shipped. Any kit components remaining at the fulfillment center are reflected in inventory with a corresponding offset to accounts payable. At December 31, 2013, \$41,000 of raw materials are at the fulfillment center and reflected in inventory with a corresponding entry to accounts payable. No materials were at the fulfillment center at December 31, 2012.

Inventory consisted of the following at December 31, 2013 and 2012:

	December 31, 2013	December 31, 2012
Raw materials	\$ 180,948	\$ 154,485
Finished goods	9,476	3,753
Total inventory, net	\$ 190,424	\$ 158,238

Stock-Based Compensation

The Company accounts for stock-based compensation expense in accordance with FASB ASC 718, *Compensation Stock Compensation*. The standard addresses all forms of share-based payment (SBP) awards, including shares issued under employee stock purchase plans, stock options, restricted stock and stock appreciation rights. We expense SBP awards within compensation cost for SBP transactions measured at fair value. Compensation cost for the portion of awards for which the requisite service has not been rendered that are outstanding as of the effective date shall be recognized as the requisite service is rendered on or after the effective date. The compensation cost for that portion of awards shall be based on the grant-date fair value of those awards as calculated under the Black-Scholes option pricing model. Common stock purchased pursuant to our employee stock purchase plan will be expensed based upon the fair market value in excess of purchase price.

Income Taxes

The Company accounts for income taxes in accordance with FASB ASC 740, *Income Taxes*, which requires the recognition of taxes payable or refundable for the current year and deferred tax liabilities and assets for the future tax consequences of events that have been recognized in the financial statements or tax returns. The measurement of current and deferred tax liabilities and assets is based on provisions of the enacted tax law; the effects of future changes in tax laws or rates are not anticipated. The Company records a valuation allowance to reduce its deferred tax assets to the amount that is more likely than not to be realized.

Significant management judgment is required in determining the Company's provision (benefit) for income taxes, its deferred tax assets and liabilities and any valuation allowance recorded against deferred tax assets. The Company has

recorded a full valuation allowance against its deferred tax assets of approximately \$28.2 million as of December 31, 2013, due to uncertainties related to its ability to utilize these assets. The valuation allowance is based on management's estimates of taxable income by jurisdiction in which the Company operates and the period over which the deferred tax assets will be recoverable. In the event that actual results differ from these estimates or management adjusts these estimates in future periods, the Company may need to adjust its valuation allowance, which could materially impact its financial position and results of operations.

Due to changes in Massachusetts corporate income tax regulations enacted in 2009, the Company began filing a combined tax return with certain Alticor affiliated entities, referred to herein as “the unitary group”. The law requires corporations with net operating loss carryforwards to go back to each year in which the loss was generated and recompute the loss as if it occurred on a consolidated basis. The Company was required to include data from the newly formed unitary group as if the unitary group was in place during the loss years. As a result, the losses generated by the Company were significantly reduced through this required computation. Due to a change in common ownership, the Company is no longer qualified to join in a combined filing of the unitary group as of June 29, 2012. Accordingly, the Company ceased filing combined Massachusetts tax returns with the unitary group. The Company estimates that the combined and separate filings will have no impact on the Company's financial condition, results of operations and cash flows.

On January 2, 2013, President Obama signed The American Taxpayer Relief Act of 2012 (H.R. 8) legislation which extended many of the tax provisions that expired in 2011 or 2012. For financial reporting purposes, the tax impact of this legislation is taken into account in the quarter in which the legislation is enacted by Congress and signed into law by the President. Since President Obama signed the bill on January 2, 2013, the financial reporting for these legislative changes occurred in the first quarter, 2013. Therefore, for 2012, no deferred tax asset with respect to the federal R&D tax credit was recorded. In the first quarter 2013, the full deferred tax asset for the 2013 federal R&D tax credit has been recorded as a discrete item. The total impact to 2013 is a deferred tax asset of approximately \$61,000 which is fully reserved.

As a result of the Company's change in its capital structure during the quarter ending June 30, 2013, the Company may have undergone an IRC section 382 ownership change which would limit its ability to realize the benefit of its tax attributes (i.e., federal/state net operating losses and research and development credits) during their respective carry forward periods. Furthermore, pursuant to the change in capital structure, the Company realized cancellation of indebtedness income under IRC section 108(e)(8), which reduced the Company's federal net operating loss carry-forward pursuant to IRC section 108(b)(2)(A), due to the fact that the Company's liabilities exceeded the fair market value of its assets. Accordingly, the Company had a reduction in its deferred tax asset and a corresponding reduction in its valuation allowance for the quarter ending June 30, 2013. The cancellation of indebtedness income resulted from a shareholder's conversion of debt of approximately \$14.3 million into common stock of the Company prior to an additional investment by an unrelated investor.

The Company reviews its recognition threshold and measurement process for recording in the financial statements uncertain tax positions taken or expected to be taken in a tax return. The Company reviews all material tax positions for all years open to statute to determine whether it is more likely than not that the positions taken would be sustained based on the technical merits of those positions. The Company did not recognize any adjustments for uncertain tax positions as of and during the year ended December 31, 2013. However, if the Company incurred interest and penalties they would be recorded in general and administrative expenses.

Research and Development

Research and development costs are expensed as incurred.

Advertising Expense

Advertising costs are expensed as incurred. During the years ended December 31, 2013 and 2012, advertising expense was \$5,000 and \$18,000, respectively.

Basic and Diluted Net Loss per Common Share

The Company applies the provisions of FASB ASC 260, *Earnings per Share*, which establishes standards for computing and presenting earnings per share. Basic and diluted net loss per share was determined by dividing net loss applicable to common stockholders by the weighted average number of shares of common stock outstanding during the period. Diluted net loss per share is the same as basic net loss per share for all the periods presented, as the effect of the potential common stock equivalents is anti-dilutive due to the loss in each period. Potential common stock equivalents excluded from the calculation of diluted net loss per share are as follows:

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	As of December 31,	
	2013	2012
Options outstanding	5,884,050	2,302,000
Warrants outstanding	37,269,125	2,187,158
Convertible preferred stock		39,089,161
Convertible debt		2,521,222
Total	43,153,175	46,099,541

Comprehensive Income (Loss)

Comprehensive income (loss) is defined as the change in equity of a business enterprise during a period from transactions and other events and circumstances from non-owner sources. During the years ended December 31, 2013 and 2012, there were no items other than net loss included in the determination of comprehensive loss.

Fair Value of Financial Instruments

The Company, using available market information, has determined the estimated fair values of financial instruments. The stated values of cash and cash equivalents, accounts receivable and accounts payable approximate fair value due to the short term nature of these instruments. The fair value of warrants is calculated using the Black-Scholes pricing model.

Cash and Cash Equivalents

The Company maintains its cash and cash equivalents with domestic financial institutions that the Company believes to be of high credit standing. The Company believes that, as of December 31, 2013, its concentration of credit risk related to cash and cash equivalents was not significant. Cash and cash equivalents are available on demand and are generally in excess of FDIC insurance limits.

Fixed Assets

Fixed assets are stated at cost, less accumulated depreciation and amortization. Depreciation and amortization are provided using the straight-line method over estimated useful lives of three to five years. Leasehold improvements are amortized over the estimated useful life of the asset, or the remaining term of the lease, whichever is shorter.

Assets that have not yet been placed in service; have the costs incurred presented as part of Projects in Progress. Once the asset has been placed in service, the related costs are transferred to the appropriate category and depreciation commences.

Impairment of Long-Lived Assets

The Company evaluates its long-lived assets, including intangible assets, for impairment whenever events or changes in circumstances indicate that carrying amounts of such assets may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to the future undiscounted net cash flows expected to be generated by the asset. Any write-downs, based on fair value, are to be treated as permanent reductions in the carrying amount of the assets. The Company determined that no impairment existed related to the Company's long-lived assets at December 31, 2013 and 2012.

Segment Reporting

As of December 31, 2013 and 2012, the Company has one segment, the genetic test business. The Company develops genetic tests for sale into the emerging personalized health market and performs testing services that can help individuals improve and maintain their health through preventive measures. The Company's principal operations and markets are located in the United States.

Recent Accounting Pronouncements

No recently issued updates or other guidance issued by the FASB through the issuance of these financial statements are expected to have a material impact on the Company's financial reporting.

Note 4 Related Party Transactions

Since March 2003, the Company has maintained a broad strategic alliance with several affiliates of the Alticor Inc. family of companies, a related party, to develop and market novel nutritional and skin care products. The alliance initially included an equity investment, a multi-year research and development agreement, a licensing agreement with royalties on marketed products, the deferment of outstanding loan repayment and the refinancing of bridge financing obligations.

On October 26, 2009, the Company entered into a Merchant Network and Channel Partner Agreement with Amway Corp., d/b/a/ Amway Global (“Amway Global”), a subsidiary of Alticor Inc. Pursuant to this Agreement, Amway Global sells the Company’s Inherent Health® brand of genetic tests through its e-commerce website via a hyperlink to our e-commerce site. We paid Amway Global \$367,000 and \$726,000 in commissions for the years ended December 31, 2013 and 2012, respectively, representing a percentage of net sales to their customers. The Company expenses commissions owed to Amway Global at the point of sale with the customer.

Beginning in September 2012 and again in 2013, Access Business Group LLC (“ABG”), an affiliate of Alticor, a related party, placed purchase orders totaling approximately \$3.3 million consisting of weight management kits. The kits are included as part of a promotional bundle of products that Amway is now selling to their Individual Business Owners (IBOs). Of the \$3.3 million in orders \$1.8 million was received in 2013 for the 2014 program and \$1.5 million for the 2013 program. All cash for the orders and royalties was received by December 31, 2013. The 2013 program was amended by ABG so that it would not expire at December 31, 2013. Rather than having all program kits expire at December 31, 2013, cash received from the orders will remain in deferred revenue until the tests are returned and processed.

On September 21, 2012, the Company entered into a License Agreement with Access Business Group International LLC (“ABGI”), an affiliate of Pyxis. Pursuant to the License Agreement, the Company has granted ABGI and its affiliates a non-exclusive license to use the technology related to Interleukin’s Weight Management genetic test and to sell the Weight Management test in Europe, Russia and South Africa (the “Territories”). ABGI, or a laboratory designated by ABGI, will be responsible for processing the tests, and the Company will receive a royalty for each test sold, which royalty will increase if certain pending patent applications are issued. The License Agreement has an initial term of five years from the date of first commercial sale of the Weight Management test under the agreement. Thereafter, the term will automatically renew for additional one-year periods unless at least 60 days prior notice is delivered by either party. As of December 31, 2013 \$198,960 related to license fees has been received.

In connection with the execution of the License Agreement, the Company and ABGI also entered into a Professional Services Agreement (the “PSA”) pursuant to which the Company has agreed to provide services to ABGI in connection with its sale and processing of the tests within the Territories. Services will be provided pursuant to a statement of work to be entered into from time to time between the parties. Such statements of work will also specify the fees to be paid by ABGI to Interleukin for such services. The PSA has no set term and may be terminated by either party, subject to certain conditions. To date, the Company has earned \$5,250 in fees from this agreement.

For years ended December 31, 2013 and 2012, approximately 36% and 65%, respectively, of our revenue came from sales through our Merchant Network and Channel Partner Agreement with Amway Global, a subsidiary of Alticor, and 40% and 0%, respectively, of our revenue came from sales through ABG’s promotional product bundle program.

On February 25, 2013, the Company entered into a Preferred Participation Agreement with RHSC, for itself and on behalf of certain of its affiliates and subsidiaries. RHSC is a related party through its affiliation with Delta Dental of Michigan, Inc. (“DDMI”), a stockholder of the Company. Pursuant to this agreement, affiliates of RHSC agreed to reimburse the Company a fixed price for each PerioPredict (formerly PST®) genetic test that the Company processed for a customer of affiliates of RHSC. In addition, if during the term of the agreement the Company offered the

PerioPredict test to any other person or party for a lower price, such lower price would then be applicable to tests processed for a customer of such affiliates of RHSC for the remainder of the term of the agreement. The pricing arrangement was subject to the satisfaction of certain milestones, including that (1) within a specified timeframe, RHSC affiliates were to develop and offer dental benefit plans for which a significant portion of such affiliate's clients are eligible that provided for use of the PerioPredict test and reimbursement of the test at the agreed upon price (each such plan, hereinafter referred to as a "Reimbursed Dental Plan") and (2) prior to a specified date, RHSC affiliates were to have sold policies for Reimbursed Dental Plans for the year beginning January 1, 2014. The Company agreed that for a one year period beginning on the date on which RHSC affiliates first offered a Reimbursed Dental Plan, it would make the PerioPredict test available solely to RHSC affiliates and not to any other third party or person. This agreement had a term of three years beginning on February 25, 2013.

On November 1, 2013, the Company entered into an Amended and Restated Preferred Participation Agreement with RHSC, for itself and on behalf of certain of its affiliates and subsidiaries. Pursuant to this agreement, affiliates of RHSC have agreed to reimburse the Company a fixed price for each PerioPredict genetic test that the Company processes for a customer of affiliates of RHSC. In addition, if during the term of the agreement the Company offers the PerioPredict test to any other person or party for a lower price, such lower price shall then be applicable to tests processed for a customer of such affiliates of RHSC for the remainder of the term of the agreement. RHSC and its affiliates will continue to receive the preferred pricing (or any lower market price during the term) only for so long as affiliates of RHSC continue to: (a) work to develop and to offer Reimbursed Dental Plans for which a significant portion of employees of RHSC's affiliates' customers are eligible; and (b) exercise their commercially-reasonable best efforts to maximize the number of customers that offer a Reimbursed Dental Plan. In addition, under the terms of the amended agreement, the Company is no longer obligated to make the PerioPredict test available solely to RHSC affiliates and not to any other third party or person. This amended agreement has a term of three years beginning February 25, 2013, unless terminated earlier (1) upon the mutual written agreement of us and RHSC, (2) if either party becomes the subject of bankruptcy, insolvency, liquidation or other similar proceedings, or (3) in the event of an uncured breach of the amended agreement by either party.

The timing of any revenues that the Company may receive under the amended agreement with RHSC is dependent upon the timing of the offering of Reimbursed Dental Plans, which timing is very uncertain at this time and is dependent on a viable market developing for such plans. The Company currently expects the launch of the PerioPredict genetic test with RHSC will occur in a phased approach. The Company expects RHSC in early 2014 to partner with smaller group plans. In the latter half of 2014 and in 2015, RHSC is expected to offer dental plans that incorporate our genetic test to a broader group of employer customers. The Company does not expect to receive any significant revenues under this agreement until the fourth quarter of 2014 or early in 2015, at the earliest, and the timing of any such revenues may be substantially later. We may never receive significant revenues under this agreement.

Note 5 Convertible Debt

On August 17, 2006, our credit facility with Pyxis was amended to provide the Company with access to approximately \$14.3 million of additional working capital borrowings. Any amounts borrowed thereunder accrued interest at the prime rate and required quarterly interest payments. The principal amount of any borrowing under this credit facility was convertible at Pyxis' election into a maximum of 2,521,222 shares of common stock, reflecting a conversion price of \$5.6783 per share.

This credit facility had been modified several times, including on November 29, 2012, to extend the due date to March 31, 2014.

Immediately prior to the closing of the private placement of common stock on May 17, 2013, Pyxis converted all of the principal amount of debt outstanding into 2,521,222 shares of common stock. Accordingly, there is no convertible debt outstanding at December 31, 2013.

Note 6 Fixed Assets

The useful lives and balances of fixed assets at December 31, 2013 and 2012 consisted of the following:

	Useful Life	2013	2012
Computer software, computer equipment and office equipment	3 years	\$ 272,659	\$ 314,717
Laboratory equipment	5 years	1,452,669	1,225,770

Explanation of Responses:

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Furniture and fixtures	5 years	40,349	40,349
Leasehold improvements	5 years	309,618	303,258
Website development	3 years	270,678	270,678
Projects in Progress		525,988	
Equipment under capital leases	3 to 5 years		22,920
		2,871,961	2,177,692
Less Accumulated depreciation and amortization		(2,027,355)	(2,050,746)
Total		\$ 844,606	\$ 126,946

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Depreciation and amortization expense was \$120,033 and \$167,065, for the years ended December 31, 2013 and 2012, respectively. Fully depreciated assets of \$143,000 were retired at December 31, 2013.

Note 7 Intangible Assets

Intangible assets at December 31, 2013 and 2012 consisted of the following:

	2013	2012
Patent costs	\$ 1,154,523	\$ 1,154,523
Less Accumulated amortization	(864,658)	(755,392)
Total	\$ 289,865	\$ 399,131

Patent amortization expense was \$109,266 and \$115,453 for the years ended December 31, 2013 and 2012, respectively.

Patent costs which are being amortized on a straight-line basis over a 10-year life, are scheduled to amortize as follows:

Year Ending December 31,	
2014	94,100
2015	77,656
2016	61,119
2017	42,229
2018	14,761
	\$ 289,865

Note 8 Accrued Expenses

Accrued expenses at December 31, 2013 and 2012 consisted of the following:

	2013	2012
Payroll and vacation	\$ 198,968	\$ 121,362
Other	53,985	44,383
Total accrued expenses	\$ 252,953	\$ 165,745

Note 9 Commitments and Contingencies

Off-Balance Sheet Arrangements

The Company has no off-balance sheet arrangements that have, or are reasonably likely to have, a current or future material effect on its financial condition, results of operations or cash flows.

Employment Agreements

On February 14, 2011, the Company entered into an employment agreement with Lewis H. Bender, its then Chief Executive Officer. The agreement replaced and superseded the employment agreement between the Company and Mr. Bender that expired by its terms on January 22, 2011. The agreement automatically renewed for a one year period on February 14, 2012. The agreement also provided that Mr. Bender would serve as a member of the Company's Board of Directors for as long as he served as the Company's Chief Executive Officer, subject to any required approval of the

Company's shareholders.

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On August 23, 2012, Mr. Bender notified the Board of Directors of the Company of his intention to resign as the Chief Executive Officer and as a member of the Board of Directors effective immediately. In connection with his resignation, on September 14, 2012, the Company entered into a Separation Agreement with Mr. Bender. Pursuant to the terms and conditions of the Separation Agreement, Mr. Bender received seven months of base salary, continuation of health insurance benefits through February 28, 2013 and extension of the date through which vested options at the date of his resignation could be exercised to September 14, 2013. The costs associated with Mr. Bender's resignation, including costs associated with the modification of stock options, are reflected in the accompanying 2012 financial statements.

On April 25, 2012, the Company executed an amendment, effective as of March 31, 2012, to the Employment Agreement dated as of November 12, 2008 by and between the Company and Kenneth S. Kornman, its then President and Chief Scientific Officer to extend the term through November 30, 2012. In connection with Mr. Bender's resignation on August 23, 2012, the Board of Directors appointed Dr. Kornman as Chief Executive Officer in addition to his role as President and Chief Scientific Officer. The Board of Directors also appointed Dr. Kornman as a director to fill the vacancy created by Mr. Bender's resignation. On November 29, 2012, the Company entered into a second amendment to Dr. Kornman's employment agreement to extend the term through November 30, 2015.

On December 21, 2012, The Compensation Committee of the Board of Directors of the Company approved a Bonus Plan (the "Bonus Plan") for the Company's executives. Under the terms of the Bonus Plan:

1. Executives are not entitled to a non-discretionary bonus for the year ending December 31, 2013. Provided the Company meets certain earnings and revenue targets for the six months ending June 30, 2014 and
2. Executive is employed by the Company as of June 30, 2014, Executive shall receive a bonus equal to 30% of such Executive's base salary. Provided the Company meets certain earnings and revenue targets for the year ending December 31, 2014 and
3. Executive is employed by the Company as of December 31, 2014, Executive shall receive a bonus equal to 15% of such Executive's base salary.

On February 26, 2014, The Compensation Committee of the Board of Directors of the Company approved an Employee Bonus Plan (the "Employee Bonus Plan") that replaces the Bonus Plan approved on December 21, 2012. Under the Employee Bonus Plan bonuses may be awarded upon the achievement of corporate goals, however, the Compensation Committee has absolute discretion as to whether bonuses will be awarded and the size of any bonus, notwithstanding whether any such corporate goals are met or not.

On December 21, 2012, Dr. Kornman was granted an option to purchase 300,000 shares of the Company's common stock at an exercise price of \$0.34, the fair value of the Company's stock on the grant date of the option. The option will vest in three installments of 75,000, 100,000 and 125,000 shares on each of the first three anniversaries of the grant date. Also on December 21, 2012, the Company's Chief Financial Officer, Eliot M. Lurier, was granted an option to purchase 200,000 shares of the Company's common stock at an exercise price of \$0.34, the fair value of the Company's stock on the grant date of the option. The option will vest in three installments of 50,000, 66,000 and 84,000 shares on each of the first three anniversaries of the grant date.

On December 26, 2012, the Company entered into an employment agreement with Scott Snyder for the position of Chief Marketing Officer beginning on January 2, 2013. The agreement provides for a minimum annual base salary of \$265,000, and for 2013 and 2014 he is eligible for a bonus pursuant to the Bonus Plan as set forth above. For 2015 and any subsequent year in which he is employed, he is eligible for a bonus of up to 30% of his base salary, based on factors such as the Company's evaluation of individual performance, the Company's financial performance, economic conditions generally, and the policy terms applicable to such bonus. Mr. Snyder is entitled to a maximum of \$34,000 in expense reimbursement in calendar year 2013, and an additional \$16,000 for the six months ending June 30, 2014, for travel and housing expenses from his residence to the Company's offices. Upon hire, Mr. Snyder was granted an

option to purchase 200,000 shares of the Company's common stock at an exercise price of \$0.29, the fair value of the Company's stock on January 2, 2013, the grant date of the option. The option will vest in three installments of 50,000, 66,000 and 84,000 shares on each of the first three anniversaries of the grant date.

Mr. Snyder's agreement is terminable at will by the Company or Mr. Snyder. If the Company terminates Mr. Snyder without cause, then the Company will pay Mr. Snyder, in addition to any accrued, but unpaid compensation prior to termination, an amount equal to six months of his base salary in effect at the time of the termination.

On October 22, 2013, Dr. Kornman was granted an option to purchase 2,250,000 shares of the Company's common stock, Mr. Lurier was granted an option to purchase 750,000 shares and Mr. Snyder was granted an option to purchase 675,000 shares. Each such option has an exercise price of \$0.3799, the fair value of the Company's common stock on the grant date of the option and will vest as to $\frac{1}{4}$ of the shares on the first anniversary of the grant date, and as to $\frac{1}{36}$ of the remaining shares at the end of each month thereafter beginning on October 31, 2014.

Operating Leases

The Company leases its office and laboratory space under a non-cancelable operating lease expiring on March 31, 2014. On May 24, 2010, the Company completed a sublease of approximately 6,000 square feet of office and laboratory space which also expires on March 31, 2014.

Future minimum lease commitments under non-cancelable lease agreements with initial or remaining terms of one year or more at December 31, 2013, are as follows:

Year Ending	Master Space	Sublease	Net Master	Office	Total
December 31,	Lease		Space Lease	Equipment	Payments, Net
2014	118,749	(37,569)	81,180	6,336	87,516
Thereafter				1,056	1,056
	\$ 118,749	\$ (37,569)	\$ 81,180	\$ 7,392	\$ 88,572

Rent expense was \$331,916 and \$338,221 for the years ended December 31, 2013 and 2012, respectively.

Note 10 Capital Stock

Authorized Preferred and Common Stock

At December 31, 2013, the Company had authorized 6,000,000 shares of \$0.001 par value preferred stock. The Company had authorized 300,000,000 shares of \$0.001 par value common stock of which 198,521,806 shares were outstanding or reserved for issuance. Of those, 122,448,707 shares were outstanding; 6,288,950 shares were reserved for the potential exercise of outstanding stock options and for shares of common stock available for future grants under our stock plan; 638,887 shares were reserved for the potential exercise of rights held under the Employee Stock Purchase Plan; 1,750,000 shares were reserved for the exercise of outstanding warrants to purchase common stock at an exercise price of \$1.30 per share which are exercisable currently until March 5, 2015; 437,158 shares were reserved for the exercise of outstanding warrants to purchase common stock at an exercise price of \$0.2745 per share which are exercisable currently until June 29, 2017; 35,081,967 shares were reserved for the exercise of outstanding warrants to purchase common stock at an exercise price of \$0.2745 per share, of which approximately 20,655,737 are currently exercisable until May 17, 2020 and the remaining are currently exercisable until August 9, 2020; and 31,876,137 shares are reserved for issuance of shares of common stock and warrants to purchase shares of common stock pursuant to the rights each investor in the May 2013 Private Placement to purchase any time prior to June 30, 2014 its pro rata share of up to an aggregate of \$5,000,000 of additional shares of common stock and warrants on the same terms as those in the May 2013 Private Placement.

On June 29, 2012, the Company entered into an agreement with Pyxis to exchange the 5,000,000 shares of Series A Convertible Preferred Stock held by Pyxis for 5,000,000 shares of Series A-1 Convertible Preferred Stock (the "Series A-1 Preferred Stock") and filed a new Certificate of Designation, Preferences and Rights of Preferred Stock with the State of Delaware for the Series A-1 Preferred Stock and Series B Convertible Preferred Stock (the "Series B Preferred Stock" and, with the Series A-1 Preferred Stock, the "Preferred Stock"). Concurrently therewith, the Company completed a financing with Delta Dental of Michigan, Inc. ("DDMI") pursuant to which DDMI purchased 500,000 shares of Series B Preferred Stock for gross proceeds of \$3,000,000. Net proceeds to the Company after fees and expenses were approximately \$2.7 million. In addition, fully vested warrants to purchase 437,158 shares of common stock at an exercise price of \$0.2745 per share were issued to the placement agent in the transaction. These warrants expire in five years. For purposes of determining the fair value of these warrants, the Black-Scholes pricing model was used with the following assumptions:

Risk-free interest rate	1	%
Expected life	5 years	
Expected volatility	142.36	%
Dividend yield	0	%

Using these assumptions, the fair value of the warrants is \$104,907.

In the event of any liquidation, dissolution or winding up of the Company, whether voluntary or involuntary, the holders of the Preferred Stock were entitled to receive on a *pari passu* basis, prior and in preference to any distribution of any of the Company's assets or surplus funds to the holders of its common stock by reason of their ownership thereof, the amount of two times the then-effective purchase price per share, as adjusted for any stock dividends, combinations or splits with respect to such shares, plus all declared but unpaid dividends on such shares for each share of Preferred Stock then held by them. The liquidation preference for the Preferred Stock at May 17, 2013, prior to the financing, was \$24,000,000 in the aggregate, reflecting a liquidation preference of \$18,000,000 for the Series A-1 Preferred Stock and \$6,000,000 for the Series B Preferred Stock. After receiving this amount, the holders of the Preferred Stock were entitled to participate on an as-converted basis with the holders of common stock in any of the remaining assets.

Each share of Series A-1 Preferred Stock was convertible at any time at the option of the holder into a number of shares of the Company's common stock determined by dividing the then-effective purchase price (\$1.80, and subject to adjustment) by the conversion price in effect on the date the certificate was surrendered for conversion. The Series A-1 Preferred Stock was convertible into 28,160,200 shares of common stock reflecting a conversion price of \$0.3196 per share. Each share of Series B Preferred Stock was convertible at any time at the option of the holder into a number of shares of the Company's common stock determined by dividing the then-effective purchase price (\$6.00, and subject to adjustment) by the conversion price in effect on the date the certificate was surrendered for conversion. The Series B Preferred Stock was convertible into 10,928,961 shares of common stock reflecting a conversion price of \$0.2745 per share. All shares of Preferred Stock were converted to common stock on May 17, 2013 in connection with the private placement described below, resulting in the issuance of 39,089,161 shares of common stock. As of December 31, 2013 no shares of preferred stock are issued and outstanding.

Each holder of Preferred Stock was entitled to vote its shares of Preferred Stock on an as-converted basis with the holders of common stock as a single class on all matters submitted to a vote of the stockholders, except as otherwise required by applicable law. This means that each share of Preferred Stock was entitled to a number of votes equal to the number of shares of common stock into which was convertible on the applicable record date.

On May 17, 2013, the Company entered into a Common Stock Purchase Agreement with various accredited investors (the "Purchasers"), pursuant to which the Company sold securities to the Purchasers in a private placement transaction. The Company sold an aggregate of 43,715,847 shares of its common stock, at a price of \$0.2745 per share for gross proceeds of \$12,000,000. The Purchasers also received warrants to purchase up to an aggregate of 32,786,885 shares of Common Stock at an exercise price of \$0.2745 per share (the "Warrants"). The Warrants were exercisable as to 63% of the shares immediately and as to 37% of the shares following receipt of shareholder approval of a share authorization increase and have a term of seven years from the date they become exercisable. For Warrants that were exercisable upon shareholder approval of an increase in the Company's authorized shares of common stock, the Company recorded a non-current liability at June 30, 2013 based on the allocation of the relative fair values of the common stock and Warrants issued in the private placement. In addition, the Company recognized non-cash interest expense of \$286,579 representing the increase in the fair value of the warrant liability from the date of issuance to June 30, 2013. On August 9, 2013, the Company's shareholders' approved an amendment to the Company's Certificate of Incorporation to increase the number of authorized shares of common stock from 150,000,000 to 300,000,000 shares. Following the shareholder approval of the increase in authorized shares on August 9, 2013 the Company filed a certificate of amendment with the Delaware Secretary of State, which provided for adequate authorized shares for all potential common stock equivalents issued pursuant to the financing on May 17, 2013. As a result, the warrant liability reflected as a non-current liability, in the June 30, 2013 balance sheet was reclassified to shareholders' equity at its fair value as of August 9, 2013. The fair value of the warrant liability increased by approximately \$11,000 from June 30, 2013 to August 9, 2013, and was recorded as an increase to interest expense in the statement of operations for the three months ended September 30, 2013.

For its services in this transaction, the placement agent received cash compensation in the amount of approximately \$780,000 and the placement agent and an affiliate received warrants to purchase an aggregate of 2,295,082 shares of common stock, at an exercise price of \$0.2745 per share (the “Placement Agent Warrants”). The Placement Agent Warrants became exercisable on August 9, 2013, following shareholder approval of an increase in the Company’s authorized shares of common stock and expire August 9, 2020. The cash compensation and the fair value of the warrants were recorded as issuance costs resulting in a reduction to shareholders’ equity.

For purposes of determining the fair value of the warrants exercisable upon shareholder approval of an increase in the Company's authorized shares, the Black-Scholes pricing model was used with the following assumptions:

	May 17, 2013	June 30, 2013	August 9, 2013	
Risk-free interest rate	1.35	% 1.58	% 2.53	%
Expected life	4 years	4 years	4 years	
Expected volatility	144.63	% 145.62	% 146.19	%
Dividend Yield	0	% 0	% 0	%

Using these assumptions, the fair value of the warrants is \$5,072,129 on May 17, 2013, \$5,358,708 on June 30, 2013 and \$5,369,676 on August 9, 2013.

In connection with this private placement, all preferred stockholders converted their shares of Preferred Stock to common stock in accordance with the terms noted above resulting in the issuance of 39,089,161 shares of common stock.

In addition, pursuant to the Common Stock Purchase Agreement, each Purchaser has the right, at any time on or before June 30, 2014, to purchase at one or more subsequent closings its pro rata share of up to an aggregate of \$5,000,000 of additional shares of common stock and warrants on the same terms and conditions as those set forth above. If, prior to June 30, 2014, investors have not purchased their entire pro rata share of such additional investment of \$5,000,000, those who have purchased their entire pro rata share of the additional investment, will be entitled to purchase the unsold portion of the additional investment.

Registration Rights Agreement

On May 17, 2013, the Company also entered into a Registration Rights Agreement with the Purchasers, Pyxis, DDMI and the placement agent, pursuant to which the Company was required to file a registration statement on Form S-1 within 45 days to cover the resale of (i) the shares sold to the Purchasers and the shares of common stock underlying the Warrants, (ii) the shares of common stock issued to Pyxis upon conversion of the Series A-1 Preferred Stock and the convertible debt, (iii) the shares of common stock issued to DDMI upon the conversion of the Series B Preferred Stock, and (iv) the shares of common stock underlying the Placement Agent Warrants. The Company filed the registration statement on July 1, 2013, and it was declared effective on August 9, 2013.

In addition, within 45 days following June 30, 2014, the Company will be required to file a registration statement to cover the resale of (i) any shares of common stock sold to the Purchasers pursuant to the additional investment and the shares of common stock underlying any warrants issued to Purchasers pursuant to such additional investment, and (ii) shares of common stock underlying any additional warrants issued to the placement agent in connection with the additional investment.

Note 11 Stock-Based Compensation Arrangements

In June 2004, the Company's shareholders approved the adoption of the 2004 Employee Stock Compensation Plan (the 2004 Plan). The 2004 Plan provides for the award of nonqualified and incentive stock options, restricted stock, and stock awards to employees, directors, officers, and consultants of the Company. A total of 4,000,000 shares of the Company's common stock had been reserved for award under the 2004 Plan. At the Company's 2011 annual meeting stockholders approved an amendment to the 2004 Employee, Director and Consultant Stock Plan increasing the aggregate number of shares of common stock which may be offered under the plan by an additional 2,000,000 shares.

On August 9, 2013, the Company's shareholders' approved the 2013 Employee, Director and Consultant Equity Incentive Plan (the "2013 Plan"). The 2013 Plan will allow for the issuance of up to 8,860,000 additional shares of our

common stock pursuant to awards granted under the 2013 Plan and will allow for the issuance of up to a maximum of 2,435,500 shares of common stock that are represented by options outstanding under our 2004 Plan, that expire or are cancelled without delivery of shares of common stock on or after the date of stockholder approval of the 2013 Plan. At December 31, 2013, the Company had an aggregate of 4,698,700 shares of common stock available for grant under the 2013 Plan. As of December 31, 2013, the Company granted 4,693,800 stock options under the 2013 Plan.

Stock Option Grants

It is the Company's policy to grant stock options with an exercise price equal to the fair market value of the Company's common stock at the grant date. Historically, the majority of the Company's stock options have been granted in connection with the employee's start date with the Company. In addition, the Company may grant stock options in recognition of promotion and/or performance.

Nonqualified and incentive stock options with a life of 10 years are granted at exercise prices equal to the fair market value of the common stock on the date of grant. Options generally vest ratably over a period of three to five years based upon continuous service.

For purposes of determining the stock-based compensation expense for stock option awards in 2013 and 2012, the Black-Scholes option-pricing model was used with the following weighted-average assumptions:

	2013	2012	
Risk-free interest rate	1.56	% 0.66	%
Expected life	5.73 years	5.73 years	
Expected volatility	144.35	% 140.32	%
Dividend yield	0	% 0	%

Using these assumptions, the weighted average grant date fair value of options granted in 2013 and 2012 was \$0.34 and \$0.33, respectively.

Restricted Stock Awards

Holders of restricted stock awards participate fully in the rewards of stock ownership of the Company, including voting and dividend rights. Recipients of restricted stock awards are generally not required to pay any consideration to the Company for these restricted stock awards. The Company measures the fair value of the shares based on the last reported price at which the Company's common stock traded on the date of the grant and compensation cost is recognized over the remaining service period. During each of the years ended December 31, 2013 and 2012, the Company granted no restricted stock awards.

Employee Stock Purchase Plan

Purchases made under the Company's Employee Stock Purchase Plan are deemed to be compensatory because employees may purchase stock at a price equal to 85% of the fair market value of the Company's common stock on either the first day or the last day of a calendar quarter, whichever is lower. During the three months ended June 30, 2012, the remaining shares were cancelled with the termination of the plan. At the Company's 2012 annual meeting the stockholders approved a new Employee Stock Purchase Plan, pursuant to which 750,000 shares of common stock are authorized to be issued. During the years ended December 31, 2013 and 2012, employees purchased 111,113 and 52,158 shares of common stock at a weighted-average purchase price of \$0.29 and \$0.17, while the weighted-average fair value was \$0.34 and \$0.20 per share, resulting in compensation expense of \$5,522 and \$1,332, respectively.

The following table details stock option and restricted stock activity for the years ended December 31, 2013 and 2012.

	2013	Weighted Avg.	2012	Weighted Avg.
	Shares	Exercise Price	Shares	Exercise Price
Outstanding, beginning of period	2,302,000	\$ 1.06	2,228,067	\$ 1.14
Granted	4,693,800	0.38	581,000	0.36
Stock options exercised	(252,000)	0.32		
Restricted stock exercised	(2,500)	0.00	(2,500)	0.00
Forfeited/Expired	(857,250)	1.87	(504,567)	0.60
Outstanding, end of period	5,884,050	\$ 0.43	2,302,000	\$ 1.06
Exercisable, end of period	588,750	\$ 0.89	1,376,950	\$ 1.49

The following table details further information regarding stock options and restricted stock outstanding and exercisable at December 31, 2013:

Range of Exercise Price:	Stock Options/Restricted Stock Outstanding			Stock Options/Restricted Stock Exercisable		
	Shares	Weighted Avg. remaining contractual life (years)	Weighted Avg. Exercise Price	Shares	Weighted Avg. Exercise Price	
\$0.01 \$1.00	5,747,800	9.42	\$..38	452,500	\$ 0.45	
\$1.01 \$2.00	85,000	4.30	1.44	85,000	1.44	
\$2.01 \$3.00						
\$3.01 \$4.00	30,000	0.96	3.65	30,000	3.65	
\$4.01 \$5.00	21,250	..50	4.10	21,250	4.10	
	5,884,050	9.27	\$ 0.43	588,750	\$ 0.88	
Aggregate intrinsic value	\$ 22,485			\$ 0		

The aggregate intrinsic value in the preceding table is based on the last reported price at which the Company's common stock traded on December 31, 2013, of \$0.35.

The following table summarizes the status of the Company's non-vested options for the years ended December 31, 2013 and 2012:

	2013		2012	
	Shares	Weighted Avg Exercise Price	Shares	Weighted Avg Exercise Price
Non-vested options, beginning of year	925,050	\$ 0.42	1,128,250	\$ 0.57
Granted	4,693,800	0.38	581,000	0.36
Vested	(270,300)	0.48	(367,600)	0.65
Forfeited	(53,250)	0.51	(416,600)	0.52
Non-vested options, end of year	5,295,300	\$ 0.38	925,050	\$ 0.42

Total cost for stock-based compensation arrangements is as follows:

	Year Ended December 31,	
	2013	2012
Stock option grants beginning of period	\$ 92,187	\$ 182,064
Stock-based arrangements during the period:		
Stock option grants	100,638	6,188
Restricted stock issued:		
Employee stock purchase plan	5,522	1,332
Director agreements	(540)	2,244
	\$ 197,807	\$ 191,828

As of December 31, 2013 and 2012, there was approximately \$1,517,607 and \$266,718 respectively, of total unrecognized compensation related to non-vested share-based compensation arrangements granted under the Company's stock plans. That cost is expected to be recognized over a weighted average period of approximately 1.7 years.

In connection with the resignation of the Company's former Chief Executive Officer, the Company as part of the Separation Agreement agreed to extend the expiration date of vested options until September 14, 2013. This change resulted in a modification of stock option terms per ASC 718 resulting in an additional stock compensation cost of \$102,307, reflected in the December 31, 2012 financial statements. See Note 10.

Note 12 Employee Benefit Plan

The Company sponsors a profit sharing plan covering substantially all of its employees. The profit sharing plan allows for pre-tax employee contributions. The Company may, at the discretion of the Board of Directors, match a portion of the participant contributions. The Company currently contributes 25% of any amount employees contribute, up to a maximum of \$1,500 per participant per calendar year. Company contributions vest over a period of five years based on the participant's initial service date with the Company. During the years ended December 31, 2013 and 2012, \$8,841 and \$10,663, respectively, was contributed by the Company to the plan.

Note 13 Income Taxes

For the years ended December 31, 2013 and 2012, the Company recorded no tax provision or benefit. While the Company has incurred losses from operations it has not recorded an income tax benefit for 2013 or 2012 as it has recorded a valuation allowance against net operating losses and other net deferred tax assets due to uncertainties related to the realizability of these tax assets.

Deferred tax assets and liabilities are determined based on the difference between financial statement and tax bases using enacted federal and state tax rates in effect for the year in which the differences are expected to reverse. As of December 31, 2013 and 2012, the approximate income tax effect of the Company's deferred tax assets (liabilities) consisted of the following:

	2013	2012
Deferred tax asset:		
Tax effect of:		
Net operating loss carryforwards	\$ 25,504,000	\$ 27,926,000
Accrued expenses	49,000	21,000
Amortization of definite lived intangible assets	15,000	16,000
Non-qualified stock option compensation	69,000	248,000
Depreciation	123,000	121,000
Other	297,000	227,000
Patents	(114,000)	(158,000)
State net operating loss carryforwards, net of federal tax benefit	19,000	428,000
Research tax credit carryforwards	2,223,000	2,080,000
Total deferred tax assets	28,185,000	30,909,000
Valuation allowance	(28,185,000)	(30,909,000)
Net deferred tax assets	\$ -	\$ -

As of December 31, 2013, the Company had gross net operating loss (NOL) and research tax credit carryforwards of approximately \$77.6 million and \$1.6 million, respectively, for federal income tax purposes, expiring in varying amounts through the year 2033. Of the \$77.6 million NOL carryforward, \$2.5 million relates to stock-based compensation and has not been reflected in the deferred taxes and when the benefit of these losses, if any, is realized,

the Company will credit additional paid in capital.

As of December 31, 2013, the Company had gross NOL and research tax credit carryforwards of approximately \$450,000 and \$960,000 for state income tax purposes, expiring in varying amounts through the year 2033.

The Company's ability to use its NOL and tax credit carryforwards to reduce future taxes is subject to the restrictions provided by Section 382 of the Internal Revenue Code of 1986. These restrictions provide for limitations on the Company's utilization of its NOL and tax credit carryforwards following a greater than 50% ownership change during the prescribed testing period. Beginning on March 5, 2003, the Company had such a change. As a result, all of the Company's NOL carryforwards as of that date are limited as to utilization. The annual limitation may result in the expiration of certain of the carryforwards prior to utilization.

The benefit for income taxes differs from the federal statutory rate due to the following:

	2013		2012	
Tax at statutory rate	(34.0)	%	(34.0)	%
State taxes, net of federal benefit	0.0		0.0	
Research and development credit	(1.7)		0.1	
Share based payment expense	0.7		0.9	
Other	3.0		1.4	
Removal of deferred tax asset on federal net operating losses	64.1		26.9	
Establishment of deferred tax asset on state net operating losses and state deferred taxes, net of federal income tax benefits	6.4		(9.6)	
Change in valuation allowance	(38.6)		14.3	
Effective tax rate	0.0	%	0.0	%

Note 14 Risks and Uncertainties

The Company develops genetic risk assessment tests and performs research for its own benefit. As of December 31, 2013, the Company has introduced four genetic risk assessment tests commercially. Commercial success of the Company's genetic risk assessment tests will depend on their success as being deemed to be scientifically credible and cost-effective by consumers and the marketing success of the Company and its collaborative partners.

Research in the field of disease predisposing genes and genetic markers is intense and highly competitive. The Company has many competitors in the United States and abroad that have considerably greater financial, technical, marketing, and other resources available. If the Company does not discover disease predisposing genes or genetic markers and develop risk assessment tests and launch such services or products before its competitors, then the potential for significant revenues may be reduced or eliminated.

During the years ended December 31, 2013 and 2012, approximately 36% and 65%, respectively, of our revenue came from sales through our Merchant Network and Channel Partner Agreement with Amway Global, a subsidiary of Alticor, and 40% and 0%, respectively, of our revenue came from sales through ABG's promotional product bundle program.

Note 15 Subsequent Event

On February 7, 2014, the Company entered into the Second Amendment to Commercial Lease which, among other things, extends the term of the lease from March 31, 2014 to March 31, 2017 and reduces the 19,000 square feet, the amount of space under the master lease by approximately 6,011 square feet, to approximately 13,000 square feet, the current space the Company occupies. The 6,011 square feet was the space that the Company had sublet to a third party since April 2010.

Item 9. *Changes in and Disagreements with Accountants on Accounting and Financial Disclosure*

None

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Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Our principal executive officer and principal financial officer, after evaluating the effectiveness of our disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) as of the end of the period covered by this Annual Report on Form 10-K, have concluded that, based on such evaluation, our disclosure controls and procedures were effective to give reasonable assurance that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms, and is accumulated and communicated to our management, including our principal executive and principal financial officers, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure.

Management's Report on Internal Control over Financial Reporting

The management of the Company is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. The Company's management assessed the effectiveness of the Company's internal control over financial reporting as of December 31, 2013. In making this assessment, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control-Integrated Framework. Based on our assessment, management believes that, as of December 31, 2013, the Company's internal control over financial reporting is effective based on those criteria.

This Annual Report on Form 10-K does not include an attestation report of the Company's registered public accounting firm regarding the Company's internal control over financial reporting. Management's report on internal control over financial reporting was not subject to attestation by the Company's registered public accounting firm.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting identified in connection with the evaluation of such internal control that occurred during the fourth quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Item 9B. Other Information

None

PART III

Item 10. Directors, Executive Officers and Corporate Governance

Information responsive to this item is incorporated by reference from the relevant discussions in our Proxy Statement for the 2014 Annual Meeting of Stockholders under the captions "Management and Corporation Governance," "Compliance with Section 16(a) of the Securities Exchange Act of 1934" and "Code of Conduct and Ethics."

Item 11. Executive Compensation

Explanation of Responses:

Information responsive to this item is incorporated by reference from the relevant discussions in our Proxy Statement for the 2014 Annual Meeting of Stockholders under the caption “Executive Compensation.”

Item 12. *Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters*

Information responsive to this item is incorporated by reference from the relevant discussions in our Proxy Statement for the 2014 Annual Meeting of Stockholders under the captions “Security Ownership of Certain Beneficial Owners and Management” and “Equity Compensation Plan Information.”

Item 13. *Certain Relationships and Related Transactions, and Director Independence*

Information responsive to this item is incorporated by reference from the relevant discussions in our Proxy Statement for the 2014 Annual Meeting of Stockholders under the captions “Certain Relationships and Related Transactions” and “Management and Corporate Governance.”

Item 14. *Principal Accountant Fees and Services*

Information responsive to this item is incorporated by reference from the relevant discussions in our Proxy Statement for the 2014 Annual Meeting of Stockholders under the proposal entitled “Ratification of Appointment of Independent Public Accountants.”

PART IV

Item 15. *Exhibits*

Item 15(a). The following documents are filed as part of this Annual Report on Form 10-K:

Item 15(a)(1) and (2). See “Index to Financial Statements” at Item 8 to this Annual Report on Form 10-K. Other financial statement schedules have not been included because they are not applicable or the information is included in the financial statements or notes thereto.

Item 15(a)(3) Exhibits:

The exhibits listed below are filed as part of or incorporated by reference into this Annual Report. Where certain exhibits are incorporated by reference from a previous filing, the exhibit numbers and previous filings are identified in parentheses. The SEC file number for each Form 10-K, Form 10-Q and Form 8-K identified below is File No. 001-32715.

Exhibit No.	Identification of Exhibit
3.1	Restated Certificate of Incorporation of the Company, as filed with the Delaware Secretary of State on October 23, 2013 (incorporated herein by reference to Exhibit 3.1 of the Company’s Quarterly Report on Form 10-Q filed November 14, 2013)
3.2	Amended and Restated Bylaws of the Company dated July 24, 2008 (incorporated by reference to the Current Report on Form 8-K filed on July 28, 2008)
4.1	Form of Stock Certificate representing Common Stock, \$0.001 par value, of the Company (incorporated herein by reference to Exhibit 4.1 of the Company’s Quarterly Report on Form 10-Q filed August 14, 2000)
4.2	Form of Common Stock Purchase Warrant (incorporated herein by reference to Exhibit 4.1 of the Company’s Current Report on Form 8-K filed on March 5, 2010)
4.3	Form of Warrant issued to Investors in the May 2013 Private Placement (incorporated herein by reference to Exhibit 4.1 of the Company’s Current Report on Form 8-K filed on May 20, 2013)
4.4	Form of Warrant issued to the Placement Agent in the May 2013 Private Placement (incorporated herein by reference to Exhibit 4.2 of the Company’s Current Report on Form 8-K filed on May 20, 2013)
	<u>Leases</u>
10.1	Commercial Lease Agreement between the Company and Clematis LLC dated February 13, 2004 (incorporated herein by reference to Exhibit 10.44 of the Company’s Annual Report on Form 10-K filed on March 29, 2004)

- 10.2 Sublease Agreement between the Company and Kala Pharmaceuticals, Inc. dated April 12, 2010 (incorporated herein by reference to Exhibit 10.2 of the Company's Annual Report on Form 10-K filed on March 24, 2011)
- 10.3 Second Amendment to Commercial Lease, dated as of February 7, 2014, by and between the Company and Clematis, LLC (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on February 12, 2014)

Exhibit No.	Identification of Exhibit
	<u>Equity Compensation Plans</u>
10.4.1@	2000 Employee Stock Compensation Plan for the Company (incorporated herein by reference to Exhibit 10.3 of the Company's Quarterly Report on Form 10-Q filed August 14, 2000)
10.4.2@	Form of Nonqualified Stock Option Agreement under the 2000 Employee Stock Compensation Plan (incorporated herein by reference to Exhibit 10.4 of the Company's Quarterly Report on Form 10-Q filed August 14, 2000)
10.4.3@	Form of Incentive Stock Option Agreement under the 2000 Employee Stock Compensation Plan (incorporated herein by reference to Exhibit 10.5 of the Company's Quarterly Report on Form 10-Q filed August 14, 2000)
10.5.1@	Interleukin Genetics, Inc. 2004 Employee, Director and Consultant Stock Plan (incorporated by reference to Appendix A of the Company's Definitive Proxy Statement filed on April 29, 2011)
10.5.2@	Form of Nonqualified Stock Option Agreement under the 2004 Employee, Director and Consultant Stock Plan (incorporated by reference to Exhibit 10.5.1 of the Company's Annual Report on Form 10-K filed March 25, 2010)
10.5.3@	Form of Incentive Stock Option Agreement under the 2004 Employee, Director and Consultant Stock Plan (incorporated by reference to Exhibit 10.5.2 of the Company's Annual Report on Form 10-K filed March 25, 2010)
10.6.1@	2013 Employee, Director and Consultant Equity Incentive Plan (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on August 13, 2013)
10.6.2@*	Form of Nonqualified Stock Option Agreement under the 2013 Employee, Director and Consultant Equity Incentive Plan
10.6.3@*	Form of Incentive Stock Option Agreement under the 2013 Employee, Director and Consultant Equity Incentive Plan
	<u>Agreements with Executive Officers and Directors</u>
10.7.1@	Employment Agreement dated November 12, 2008 between the Company and Kenneth S. Kornman (incorporated by reference to Exhibit 10.4 of the Company's Quarterly Report on Form 10-Q filed on November 13, 2008)
10.7.2	First Amendment, effective as of March 31, 2012, to the Employment Agreement, dated as of November 12, 2008, by and between Interleukin Genetics, Inc. and Kenneth S. Kornman (incorporated by reference to Exhibit 10.1 of the Current Report on Form 8-K filed on April 26, 2012)
10.7.3	Second Amendment, dated November 29, 2012, to the Employment Agreement, dated as of November 12, 2008, by and between Interleukin Genetics, Inc. and Kenneth S. Kornman (incorporated by reference to Exhibit 10.1 of the Current Report on Form 8-K filed on November 30, 2012)
10.8@	Employment agreement dated April 30, 2008 between the Company and Eliot M. Lurier (incorporated by reference to Exhibit 10.1 of the Company's Quarterly Report on Form 10-Q filed on August 13, 2008)
10.9@	Form of Director Indemnity Agreement dated March 5, 2003 (incorporated herein by reference to Exhibit 10.13 of the Company's Current Report on Form 8-K filed on March 5, 2003)
10.10@	Director Compensation Policy dated April 29, 2010 (incorporated by reference to Exhibit 10.1 of the Company's Quarterly Report on Form 10-Q filed August 12, 2010)
10.11@	Employment agreement dated December 26, 2012 between the Company and Scott Snyder (incorporated by reference to Exhibit 10.10 of the Company's Annual Report on Form 10-K filed March 28, 2013)
	<u>Agreements with respect to Financings and Rights of Stockholders</u>
10.12.1	

Stock Purchase Agreement between the Company and Pyxis Innovations Inc. dated March 5, 2003 (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on March 5, 2003)

- 10.12.2 Amendment No. 1 to Stock Purchase Agreement between the Company and Pyxis Innovations Inc. dated May 20, 2003 (incorporated by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on May 30, 2003)
- 10.12.3 Second Amendment to Stock Purchase Agreement between the Company and Pyxis Innovations Inc. dated February 28, 2005 (incorporated by reference to Exhibit 10.41 of the Company's Annual Report on Form 10-K filed on April 26, 2005)
- 10.12.4 Third Amendment, dated June 29, 2012, to the Stock Purchase Agreement, dated March 3, 2003, between Interleukin and Pyxis Innovations Inc. (incorporated by reference to Exhibit 10.5 of the Current Report on Form 8-K filed on July 2, 2012)

Exhibit No.	Identification of Exhibit
10.13	Stock Purchase Agreement Between the Company and Pyxis Innovations Inc. dated August 17, 2006 (incorporated by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K/A filed on October 31, 2006)
10.14	Stock Purchase Agreement, dated June 29, between Interleukin and Delta Dental Plan of Michigan, Inc. (incorporated by reference to Exhibit 10.2 of the Current Report on Form 8-K filed on July 2, 2012)
10.15	Common Stock Purchase Agreement, dated May 17, 2013, by and among Interleukin and the Investors in the May 2013 Private Placement (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on May 20, 2013)
10.16	Registration Rights Agreement, dated May 17, 2013, by and among Interleukin and the Investors in the May 2013 Private Placement, Pyxis Innovations Inc., Delta Dental Plan of Michigan, Inc. and BTIG, LLC (incorporated herein by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed on May 20, 2013)
10.17	Voting Agreement and Irrevocable Proxy, dated May 17, 2013, between Interleukin and Pyxis Innovations Inc. (incorporated herein by reference to Exhibit 10.3 of the Company's Current Report on Form 8-K filed on May 20, 2013)
	<u>Agreements with respect to Collaborations, Licenses and Research and Development</u>
10.18.1	Exclusive License Agreement between the Company and Access Business Group dated March 5, 2003 (incorporated herein by reference to Exhibit 10.7 of the Company's Current Report on Form 8-K filed on March 5, 2003)
10.18.2	First Amendment to License Agreement by and between the Company and Access Business Group International, LLC, dated September 1, 2008 (incorporated by reference to Exhibit 10.2 of the Company's Quarterly Report on Form 10-Q filed on November 13, 2008)
10.19	Merchant Network and Channel Partner Agreement dated October 26, 2009 by and between the Company and Amway Corp. (incorporated by reference to Exhibit 10.23 of the Company's Annual Report on Form 10-K filed on March 25, 2010)
10.20+	License Agreement, dated September 21, 2012, between Access Business Group International LLC and Interleukin Genetics, Inc. (incorporated by reference to Exhibit 10.1 of the Company's Quarterly Report on Form 10-Q filed on November 14, 2012)
10.21	Professional Services Agreement, dated September 21, 2012, between Access Business Group International LLC and Interleukin Genetics, Inc. (incorporated by reference to Exhibit 10.1 of the Company's Quarterly Report on Form 10-Q filed on November 14, 2012)
10.22*!	First Amended Preferred Participation Agreement, dated November 1, 2013, by and between Interleukin Genetics, Inc. and Renaissance Health Service Corporation and its affiliates and subsidiaries
	<u>Consents, Certifications and Other Exhibits</u>
23.1*	Consent of Grant Thornton LLP
31.1*	Certification of Chief Executive Officer pursuant to Section 302 of Sarbanes-Oxley Act of 2002
31.2*	Certification of Principal Financial Officer pursuant to Section 302 of Sarbanes-Oxley Act of 2002
32.1*	Certification pursuant to Section 906 of Sarbanes-Oxley Act of 2002
101	The following materials from Interleukin Genetics Inc.'s Annual Report on Form 10-K for the year ended December 31, 2011, formatted in XBRL (eXtensible Business Reporting Language): (i) the Balance Sheets, (ii) the Statements of Operations, (iii) the Statements of Stockholders' Deficit, (iv) the Statements of Cash Flows, and (v) Notes to Financial Statements.

* Filed herewith.

- + The Securities and Exchange Commission with respect to certain portions of this exhibit has previously granted confidential treatment. Omitted portions have been filed separately with the Securities and Exchange Commission.
- ! Confidential portions of such document have been filed separately with the SEC pursuant to a request for confidential treatment.
- @ Management contract or compensatory plan, contract or arrangement.

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

INTERLEUKIN GENETICS, INC.

By: */s/ Kenneth S. Kornman*
Kenneth S. Kornman
Chief Executive Officer

Date: March 20, 2014

Pursuant to the requirements of with the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated below.

Signatures	Title	Date Signed
<i>/s/ Kenneth S. Kornman</i> Kenneth s. Kornman	Chief Executive Officer, Director (Principal Executive Officer)	March 20, 2014
<i>/s/ Eliot M. Lurier</i> Eliot M. Lurier	Chief Financial Officer (Principal Financial and Accounting Officer)	March 20, 2014
<i>/s/ Lionel Carnot</i> Lionel Carnot	Director	March 20, 2014
<i>/s/ Roger c. colman</i> Roger C. Colman	Director	March 20, 2014
<i>/s/ Goran Jurcovic</i> Goran Jurcovic	Director	March 20, 2014
<i>/s/ William C. Mills III</i> William C. Mills III	Director	March 20, 2014
<i>/s/ Dayton Misfeldt</i> Dayton Misfeldt	Director	March 20, 2014