

INTERLEUKIN GENETICS INC
Form 10-K/A
April 29, 2016

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-K/A

AMENDMENT NO. 1

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

For the fiscal year ended December 31, 2015

**.. TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE
ACT OF 1934**

For the transition period from to

Commission File Number: 001-32715

INTERLEUKIN GENETICS, INC.

(Name of Registrant in its Charter)

Delaware	94-3123681
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)
135 Beaver Street, Waltham, MA	02452
(Address of principal executive offices)	(Zip Code)
Registrant's Telephone Number: (781) 398-0700	

Securities registered pursuant to Section 12(b) of the
Exchange Act:

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Securities registered pursuant to Section 12(g) of the Exchange Act:

Common Stock, \$.001 par value per share

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. YES NO

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act. YES NO

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

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

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained in this form and will not be contained, to the best of the registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K .

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

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting
(Do not check if a smaller reporting company) company

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

The aggregate market value of the registrant's voting and non-voting common stock held by non-affiliates of the registrant (without admitting that any person whose shares are not included in such calculation is an affiliate) computed by reference to the price at which the common stock was last sold as of the last business day of the registrant's most recently completed second quarter was \$5,267,683.

As of March 16, 2016 there were 172,953,440 shares of the registrant's Common Stock issued and outstanding.

Documents Incorporated By Reference

None.

EXPLANATORY NOTE

The purpose of this Amendment No. 1 (the “Amendment”) to the Annual Report on Form 10-K of Interleukin Genetics, Inc. (the “Registrant”) for the year ended December 31, 2015 as filed on March 16, 2016 (the “Original Form 10-K”) is to include the disclosure required in Part III, Items 10, 11, 12, 13 and 14. Except for Items 10, 11, 12, 13 and 14 of Part III and Item 15(a)(3) of Part IV, no other information included in the Original Form 10-K is amended or changed by this Amendment.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Amendment contains or incorporates certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Statements contained in this report that are not statements of historical fact may be deemed to be forward-looking statements. Words or phrases such as “may,” “will,” “could,” “should,” “potential,” “continue,” “expect,” “intend,” “plan,” “es,” “anticipate,” “believe,” “project,” “likely,” “outlook,” or similar words or expressions or the negatives of such words or expressions are intended to identify forward-looking statements. We base these statements on our beliefs as well as assumptions we made using information currently available to us. Such statements are subject to risks, uncertainties and assumptions, including those identified in Item 1A “Risk Factors” in the Original Form 10-K, as well as other matters not yet known to us or not currently considered material by us. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those anticipated, estimated or projected. Given these risks and uncertainties, prospective investors are cautioned not to place undue reliance on such forward-looking statements. Forward-looking statements do not guarantee future performance and should not be considered as statements of fact. All information set forth in this Amendment is as of the date of filing this Amendment and should not be relied upon as representing our estimate as of any subsequent date. While we may elect to update these forward-looking statements at some point in the future, we specifically disclaim any obligation to do so to reflect actual results, changes in assumptions or changes in other factors affecting such forward-looking statements.

SMALLER REPORTING COMPANY – SCALED DISCLOSURE

Pursuant to Item 10(f) of Regulation S-K promulgated under the Securities Act of 1933, as amended, as indicated herein, we have elected to comply with the scaled disclosure requirements applicable to “smaller reporting companies.”

INTERLEUKIN GENETICS, INC.

FORM 10-K/A

FOR THE YEAR ENDED DECEMBER 31, 2015

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PART III

Item 10. Directors, Executive Officers and Corporate Governance

MANAGEMENT AND CORPORATE GOVERNANCE

The Board of Directors and Management

We are managed under the direction of our Board of Directors. On December 23, 2014, we entered into a Securities Purchase Agreement (the “2014 Purchase Agreement”) with various accredited investors, pursuant to which we sold securities in a private placement transaction, which we refer to herein as the 2014 Private Placement. Pursuant to the terms of the 2014 Purchase Agreement, as amended on April 6, 2015, the number of persons which constitutes the entire Board is set at eight (8), and is composed of the following:

two (2) Class I directors with terms ending at the 2016 annual meeting of stockholders, consisting of one (i) independent director (currently William C. Mills III) and one director designated by Pyxis Innovations Inc. (“Pyxis”) (currently Joseph M. Landstra);

three (3) Class II directors with terms ending at the 2017 annual meeting of stockholders, consisting of (ii) Interleukin’s Chief Executive Officer (currently Mark B. Carbeau), Kenneth S. Kornman, Ph.D., Interleukin’s founder and Chief Scientific Officer (for so long as Dr. Kornman remains employed by Interleukin), and one director designated by Bay City Capital Fund V, L.P. (“Bay City”) (currently Dayton Misfeldt); and

three (3) Class III directors with terms ending at the 2018 annual meeting of stockholders, consisting of one (iii) director designated by Pyxis (currently Roger C. Colman), one independent director (currently James Weaver), and one director designated by Bay City (currently Lionel Carnot).

The 2014 Purchase Agreement also provides that a board member designated by Pyxis shall serve on the Audit Committee and a board member designated by Bay City shall serve on each of the Audit Committee, the Compensation Committee and the Nominating Committee. Currently, Joseph Landstra serves as the Pyxis designee on the Audit Committee, Lionel Carnot serves as the Bay City designee on the Audit and Nominating Committees and Dayton Misfeldt serves as the Bay City designee on the Compensation Committee.

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Set forth below are the names of our directors and our executive officers, their ages, their position in the company, their principal occupations or employment for at least the past five years, the length of their tenure as directors and, for our directors, the names of other public companies in which they hold or have held directorships during the past five years.

Name	Age	Position with the Company
Mark B. Carbeau	55	Chief Executive Officer and Director
Kenneth S. Kornman, DDS, Ph.D.	68	President and Chief Scientific Officer and Director
Stephen DiPalma	57	Interim Chief Financial Officer
James M. Weaver	51	Director and Chairman of the Board
Lionel Carnot(1)(2)	48	Director
Roger C. Colman (2)(3)	61	Director
Joseph M. Landstra (1)	38	Director
William C Mills III (1)(3)	60	Director
Dayton Misfeldt(3)	42	Director

(1) Member of our Audit Committee

(2) Member of our Nominating Committee

(3) Member of our Compensation Committee

MARK B. CARBEAU has been our Chief Executive Officer and has served as a member of our Board of Directors since April 6, 2015. Prior to joining Interleukin, from December 2013 to March 2015, Mr. Carbeau was CEO of Diagnostyx, a technology-based healthcare company focused on intelligent drug infusion systems that he co-founded. Prior to Diagnostyx, from January 2010 to June 2013, Mr. Carbeau served as CEO of PolyRemedy®, a technology enabled services business that combines health information technology with personalized therapeutics to improve wound healing outcomes. From January 2008 to October 2009, Mr. Carbeau was the President and CEO of HyperMed, Inc., a commercial stage medical device and diagnostics company using novel hyperspectral imaging technology. Prior to HyperMed, Mr. Carbeau served as President USA of Kinetic Concepts, Inc. Prior to that, Mr. Carbeau served as Vice President, Corporate Development at OraPharma, Inc., during its commercial launch of a periodontal therapeutic, a successful IPO, and the eventual sale of the company to Johnson & Johnson. Mr. Carbeau also founded CM Partners, a strategic life science consulting firm, and was a member of The Boston Consulting Group. Mr. Carbeau began his career serving in various sales, marketing and manufacturing roles with Eli Lilly and Company. He holds a B.S. in Industrial Engineering from Penn State University and an M.B.A. from the Wharton School of the University of Pennsylvania. Our Board of Directors has concluded that Mr. Carbeau's role as Chief Executive Officer as well as his extensive experience across a range of senior management positions with life science companies make him uniquely suited to serve on the Board. Mr. Carbeau has not served on any other public company boards in the past five years.

KENNETH S. KORNMANN, DDS, Ph.D. is Interleukin's co-founder and serves as our President and Chief Scientific Officer. Dr. Kornman also served as our Chief Executive Officer from August 2012 through April 2015. He has also been a member of our Board of Directors since August 2012 and previously served as a director from August 2006 through April 2010. Prior to founding Interleukin in 1986, Dr. Kornman was a Department Chairman and Professor at The University of Texas Health Center at San Antonio. He has also been a consultant and scientific advisor for several major oral care and pharmaceutical companies. Dr. Kornman currently retains academic appointments at Harvard University and the University of Michigan. He holds multiple patents in the molecular diagnostics area, has published three books and more than 125 scientific papers and has lectured and consulted worldwide on the transfer of technology to clinical practice. Dr. Kornman also holds an MS (Periodontics) and Ph.D. (Microbiology-Immunology) from the University of Michigan. Our Board of Directors has concluded that Dr. Kornman should serve as a director because of his prior executive management experience, his scientific expertise and his knowledge of the dental and biotechnology industries. Dr. Kornman has not served on any other public company boards in the past five years.

STEPHEN DIPALMA has been our Interim Chief Financial Officer since September, 2014. Mr. DiPalma is Managing Director at Danforth Advisors, LLC, where he has served since April 2014. He brings more than 25 years of experience in life sciences and healthcare, including founding two start-ups, working with venture-backed companies, subsidiaries of Fortune 100 firms and publicly traded companies, and his work with Danforth Advisors clients. Previously, he served as the CFO of two public companies, and as CFO, COO, CEO or Director of eight privately held companies, in addition to his consulting clients. Mr. DiPalma participated in the successful reorganization of Cambridge Biotech from Chapter 11 bankruptcy protection into Aquila BioPharmaceuticals, led the effort to take RXi Pharmaceuticals public, and has extensive experience in international fund raising and corporate structuring. He was formerly Chairman of the Board of Cognoptix Inc., and is on the Board of Directors of Phytera, Inc. Mr. DiPalma received his M.B.A. from Babson College and his B.S. from the University of Massachusetts-Lowell.

JAMES M. WEAVER initially joined the Board of Directors in July 2007 as a designee of Pyxis. He served as Chairman of our Board from September 2007 until March 11, 2014, when he announced that he was resigning as a director due to his resignation from Alticor Corporate Enterprises (an affiliate of Pyxis) to pursue other interests. On March 31, 2014, Mr. Weaver was re-elected as an independent director and was also re-appointed as Chairman of the Board. He is the former Vice President of Alticor Corporate Enterprises, a member of the Alticor Inc. family of companies, which is engaged in the principal business of offering products, business opportunities, and manufacturing and logistics services in more than 80 countries and territories worldwide. In this role, Mr. Weaver was responsible for managing the current portfolio of Alticor's companies and directs its acquisition and growth. Prior to joining Alticor in June 2007, Mr. Weaver worked for X-Rite Inc. where he held various leadership positions, including Senior Vice President and General Manager, Vice President of marketing and software development, Vice President of marketing and product development, as well as lead executive on several acquisitions. Mr. Weaver also founded and held the position of President and Chief Executive Officer of Bold Furniture Inc, and has held various leadership positions at Steelcase Inc. and Bissell Inc. Mr. Weaver received a Bachelor's degree in general studies from the University of Michigan in Ann Arbor and serves on several non-profit and private company boards. Our Board of Directors has concluded that Mr. Weaver should serve as a director because of his prior senior management experience and judgment and his extensive sales and marketing experience in the consumer product industry. Mr. Weaver has not served on any other public company boards in the past five years.

LIONEL CARNOT joined the Board of Directors in May 2013. Mr. Carnot is Managing Director at Bay City Capital LLC, a leading, global life sciences investment firm, and has been extensively involved in the firm's activities since he joined The Pritzker Organization in 2000. Prior to The Pritzker Organization, Mr. Carnot was a Principal at Oracle Partners, a healthcare hedge fund. He also held several positions in the pharmaceutical industry, including Product Manager for Prozac at Eli Lilly as well as several sales and marketing positions at Rhone-Poulenc Rohrer (now Sanofi). Mr. Carnot was also a strategy and management consultant to the biopharmaceutical industry while at Booz Allen & Hamilton and Accenture Strategic Services. Mr. Carnot is a member of the Board of Directors of Merus B.V., Madrigal Pharmaceuticals and Tallikut Pharmaceuticals, and is a former member of the board of Reliant Pharmaceuticals, Pathway Diagnostics, BioSeek and Nexus Dx. Mr. Carnot holds an MBA with Distinction from INSEAD and an MS with honors in Molecular Biology from the University of Geneva. Our Board of Directors has concluded that Mr. Carnot should serve as a director because of his prior management, consulting and board experience in the biotechnology and diagnostic industries, coupled with scientific, technical, sales and marketing, finance, and business development expertise. Mr. Carnot has not served on any other public company boards in the past five years.

ROGER C. COLMAN joined the Board of Directors in March 2011. Mr. Colman is Vice President of Corporate Development for Alticor Corporate Enterprises a member of the Alticor family of companies. He joined Alticor in 1994 from Read-Bake, Inc., where he held positions as an operations and distribution executive. Mr. Colman earned a Bachelor of Science degree and a Master's of Business Administration degree from Grand Valley State University in Allendale, Michigan. Our Board of Directors has concluded that Mr. Colman should serve as a director because of his prior executive management experience, including assisting Amway affiliate operations in over 30 countries in diverse roles which included business process improvement and strategic planning, and prior experience serving on corporate boards. Mr. Colman has not served on any other public company boards in the past five years.

JOSEPH M. LANDSTRA joined the Board of Directors on March 31, 2014. Mr. Landstra has been with Alticor Inc., a member of the Alticor family of companies, since May 2009, and is currently Director of Finance and Assistant Treasurer. Prior to his role with Alticor, Mr. Landstra was Controller for Dickinson Press Inc. from April 2008 to May 2009 and with X-Rite Inc. from 2003 to April 2008, completing his time with X-Rite as European Controller. Mr. Landstra also worked for Deloitte & Touche LLP supporting a broad range of audit clients. Mr. Landstra is Certified Public Accountant in the state of Michigan. Mr. Landstra also serves on the Board of Directors for Metagenics, Inc. which is in the Alticor family of companies. Mr. Landstra earned a Bachelor of Science degree in Accountancy from Calvin College in Grand Rapids, Michigan. The Board of Directors has concluded that Mr. Landstra should serve as a director because of his prior senior executive management experience, his background in the nutrigenomic medical foods and nutraceuticals business through his current position at Alticor, and his broad-based financial and business expertise. Mr. Landstra has not served on any other public company boards in the past five years.

WILLIAM C. MILLS III joined the Board of Directors in April 2010. He currently serves as Chairman of the Board of Directors and CEO of Stereotaxis, Inc. (NASDAQ: STXS), a medical device company that markets robotic cardiology instrument navigation systems designed to enhance the treatment of arrhythmias and coronary disease. He has over 35 years of venture capital experience, having held positions from 2004 until 2009 as a managing member of EGS Healthcare Capital Partners; from 1999-2004 as a Partner in the Boston office of Advent International; from 1988-1999 as a General Partner of The Venture Capital Fund of New England; and from 1981-1988 as a Managing General Partner of Ampersand Ventures/PaineWebber Ventures. Currently, he is Chairman of the Board of Managers of Ascension Health Ventures III, LLC. Mr. Mills received his A.B. in Chemistry, cum laude, from Princeton University, his S.M. in Chemistry from the Massachusetts Institute of Technology and his M.S. in Management from MIT's Sloan School of Management. Except as noted above, Mr. Mills has not served on any other public company boards in the past five years.

DAYTON MISFELDT joined the Board of Directors in May 2013. Mr. Misfeldt is a Managing Director at Bay City Capital LLC, a leading, global life sciences investment firm, and focuses on biopharmaceutical investment opportunities. Prior to joining Bay City Capital in May 2000, Mr. Misfeldt was a Vice President at Roth Capital Partners where he worked as a sell-side analyst covering the biopharmaceutical industry. Mr. Misfeldt has also worked as a Project Manager at LifeScience Economics. Mr. Misfeldt received a B.A. in Economics from the University of California, San Diego. Mr. Misfeldt currently serves on the Board of Directors of Sunesis Pharmaceuticals, Inc, a publicly traded biopharmaceutical company and several private company boards. Our Board of Directors has concluded that Mr. Misfeldt should serve as a director because he has financial expertise and strong

understanding of the biotechnology industry, which the Board believes makes him an important resource for the Board as it assesses both financial and strategic decisions. Except as noted above, Mr. Misfeldt has not served on any other public company boards in the past five years.

Procedures by which Stockholders may Nominate Directors

There have been no changes to the procedures by which stockholders may recommend nominees to our Board of Directors.

Audit Committee and Financial Experts

Our Audit Committee currently consists of Lionel Carnot, Joseph M. Landstra and William C. Mills III (Chair). Our Audit Committee met four times during the fiscal year ended December 31, 2015. Our Audit Committee is responsible for retaining and overseeing our independent accountants, approving the services performed by them and reviewing our annual financial statements, accounting policies and our system of internal controls. All members of the Audit Committee satisfy the current independence standards promulgated by the Securities and Exchange Commission and the NASDAQ Stock Market LLC (“NASDAQ”), as such standards apply specifically to members of audit committees. The Board of Directors has determined that Mr. Mills is an “audit committee financial expert” as the Securities and Exchange Commission has defined that term in Item 407 of Regulation S-K. A copy of the Audit Committee’s written charter is publicly available on the “Investors-Corporate Governance-Committees” section of our website at www.ilgenetics.com.

COMPLIANCE WITH SECTION 16(a) OF THE SECURITIES EXCHANGE ACT OF 1934

Our records reflect that all reports which were required to be filed pursuant to Section 16(a) of the Exchange Act during or with respect to the year ended December 31, 2015 were filed on a timely basis.

CODE OF CONDUCT AND ETHICS

We have adopted a corporate code of conduct and ethics that applies to all of our employees, including our chief executive officer and chief financial officer. The text of the corporate code of conduct and ethics is publicly available on our website at www.ilgenetics.com. Disclosure regarding any amendments to, or waivers from, provisions of the code of conduct and ethics that apply to our directors, principal executive and financial officers will be posted on the “Investors-Corporate Governance” section of our website at www.ilgenetics.com or included in a Current Report on Form 8-K within four business days following the date of the amendment or waiver.

Item 11. Executive Compensation

EXECUTIVE COMPENSATION

Summary Compensation Table

The following table sets forth the total compensation awarded or paid to, accrued or earned during the fiscal years ended December 31, 2014 and 2015 by our Chief Executive Officer, our former Chief Executive Officer (our current President and Chief Scientific Officer), our former Chief Marketing Officer and our Interim Chief Financial Officer (there were no other executive officers employed by us as of December 31, 2015). We refer to these individuals as our “Named Executive Officers.”

Name and Principal Position	Fiscal Year	Salary (\$)	Bonus (\$)	Stock Award (\$)(1)	Option Awards (\$)(2)	Non-Equity Incentive Plan Compensation (\$)	Change in Pension Value and Nonqualified Deferred Compensation Earnings (\$)	All Other Compensation (\$)(3)	Total (\$)
Mark B. Carbeau Chief Executive Officer	2015	\$259,712	\$47,906	\$ —	\$2,172,397	\$ —	\$ —	\$ —	\$2,480,015
	2014	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —
Kenneth S. Kornman Former Chief Executive Officer, Current President and Chief Scientific Officer	2015	\$360,000	\$45,450	\$ —	\$527,800	\$ —	\$ —	\$3,296	\$936,546
	2014	\$360,000	\$41,400	\$ —	\$ —	\$ —	\$ —	\$3,296	\$404,696
Scott Snyder Former Chief Marketing Officer	2015	\$254,808	\$ —	\$ —	\$171,600	\$ —	\$ —	\$52,679	\$479,086
	2014	\$265,000	\$25,758	\$ —	\$ —	\$ —	\$ —	\$43,828	\$334,586
Stephen DiPalma (4) Interim Chief Financial Officer	2015	\$322,603	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$322,603
	2014	\$66,894	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$66,894

(1) The assumptions used to determine the fair value of the stock awards and option grants for 2015 and 2014 are as follows:

	2015		2014	
Risk-Free interest rate:	1.54	%	1.53	%
Expected life:	5.73 years		5.73 years	
Expected volatility:	138.80	%	144.74	%
Dividend yield:	0	%	0	%

Using these assumptions, the weighted average grant date fair value of options granted in 2015 and 2014 was \$0.16 and \$0.32, respectively.

Amounts represent the grant date fair value of stock awards and option grants. The 2015 option award for Mr. Carbeau consists of the grant date fair value of options for 14,245,227 shares granted in April 2015 related to his (2)hire. The 2015 option award for Dr. Kornman consists of the grant date fair value of options for 2,030,000 shares granted in January 2015 as part of 2014 compensation. The 2015 option award for Mr. Snyder consists of the grant date fair value of options for 660,000 shares granted in January 2015 as part of 2014 compensation.

Dr. Kornman received reimbursement of \$3,296 for life insurance in 2014 and 2015. Mr. Snyder received a \$1,500 (3)401K company contribution in 2014. Mr. Snyder received \$42,328 and \$39,898 in reimbursed travel per the terms of his employment agreement in 2014 and 2015, respectively. Mr. Snyder received \$12,781 in accrued vacation pay upon his termination on November 13, 2015.

Mr. DiPalma joined us as our Interim Chief Financial Officer in September 2014. Mr. DiPalma is Managing Director at Danforth Advisors, LLC, and we have entered into a consulting agreement with Danforth Advisors, LLC, pursuant to which Danforth provides us with finance, accounting and administrative functions, including (4)interim chief financial officer services. We pay Danforth an agreed upon hourly rate for such services and reimburse Danforth for expenses. Mr. DiPalma is compensated by Danforth and not by Interleukin. The amounts set forth above represent the amounts we paid to Danforth under the terms of the consulting agreement for Mr. DiPalma's services.

Narrative Disclosure to Summary Compensation Table

The compensation paid to our named executive officers in 2014 and 2015 summarized in our Summary Compensation Table above is generally determined in accordance with employment agreements that we have entered into with each of our Named Executive Officers. The material terms of these agreements are discussed under the caption “- Employment Agreements” below.

Outstanding Equity Awards at Fiscal Year-End

The following table shows stock option awards outstanding (vested and unvested) and unvested stock awards outstanding as of December 31, 2015, including both awards subject to performance conditions and non-performance-based awards, for each of the executive officers in the Summary Compensation Table.

Name	Option Awards				Option Expiration Date	Stock Awards			Equity Incentive Plan Awards: Market or Payout Value of Unearned Shares, Units or Rights That Have Not Vested (\$)
	Number of Securities Underlying Unexercised Options Exercisable (#)	Number of Securities Underlying Unexercised Options Unexercisable (#)	Equity Incentive Plan Awards: Number of Securities Underlying Unearned Options (#)	Options Exercise Price (\$)		Number of Shares or Units of Stock That Have Not Vested (#)	Market Value of Shares or Units of Stock That Have Not Vested (\$)	Equity Incentive Plan Awards: Number of Unearned Shares, Units or Rights That Have Not Vested (#)	
Kenneth S. Kornman	25,000	—	—	\$ 1.40	4/2/2018	—	—	—	—
	75,000	—	—	\$ 0.48	11/12/2018	—	—	—	—
	30,000	—	—	\$ 0.745	4/6/2020	—	—	—	—
	100,000	—	—	\$ 0.46	5/6/2021	—	—	—	—
	300,000	—	—	\$ 0.34	12/21/2022	—	—	—	—
	833,924	648,611	—	\$ 0.3799	10/22/2023	—	—	—	—
	431,701	335,764	—	\$ 0.3799	10/22/2023	—	—	—	—
	465,212	1,564,788	—	\$ 0.26	1/22/2025	—	—	—	—
—	400,000	—	\$ 0.07	12/14/2025	—	—	—	—	
Mark B. Carbeau	2,622,948	2,622,948	—	\$ 0.1525	4/6/2025	—	—	—	—
	11,622,279	11,622,279	—	\$ 0.1525	4/6/2025	—	—	—	—
Scott Snyder	200,000	—	—	\$ 0.29	2/11/2016	—	—	—	—
	351,569	—	—	\$ 0.3799	2/11/2016	—	—	—	—
	137,500	—	—	\$ 0.26	2/11/2016	—	—	—	—
Stephen DiPalma (1)	66,667	33,333	—	\$ 0.25	9/8/2024	—	—	—	—

(1) Represents a warrant for 100,000 shares granted in September 2014 to Danforth Advisors, LLC. Mr. DiPalma disclaims beneficial ownership of the warrant and the shares of common stock issuable thereunder.

Employment Agreements

Mark B. Carbeau

On April 6, 2015, we entered into an employment agreement with Mark B. Carbeau to serve as our Chief Executive Officer. Under this agreement, Mr. Carbeau will receive an initial annual base salary of \$365,000 per year and is eligible to receive an annual bonus at a target amount of 35% of his base salary, with a stretch bonus opportunity of 150% of the target bonus. Under the terms of the Agreement, Mr. Carbeau has been granted options to purchase up to 14,245,227 shares of Interleukin's common stock (the "Options") at an exercise price of \$0.1525 per share (the closing price of the common stock on April 6, 2015). The Options will vest as to 25% of the shares on April 6, 2016, and as to an additional 2.083% of the shares on the last day of each successive month thereafter, provided that he remains employed by Interleukin on the vesting date.

The agreement provides that if Mr. Carbeau's employment with Interleukin is terminated by us without Cause (as defined in the agreement) or by Mr. Carbeau for Good Reason (as defined in the agreement), subject to his execution of a release of claims agreement acceptable to us, he will be entitled to (i) severance payments equal to 12 months of base salary and (ii) continuation of medical benefits for up to 12 months. In addition, if within one year following a Change of Control (as defined in the agreement), Mr. Carbeau's employment with Interleukin is terminated by us without Cause or by Mr. Carbeau for Good Reason, subject to his execution of a release of claims agreement acceptable to us, he will be entitled to (i) severance payments equal to 12 months of base salary, (ii) continuation of medical benefits for up to 12 months and (iii) acceleration of the vesting of all outstanding unvested equity awards.

As a condition of employment, Mr. Carbeau has entered into a non-competition/non-solicitation agreement pursuant to which he has agreed not to compete with Interleukin or to solicit customers or employees of Interleukin for a period of 12 months after the termination of his employment

Kenneth S. Kornman, DDS, Ph.D.

On November 12, 2008, we entered into an employment agreement with Dr. Kornman, our President and Chief Scientific Officer, for a three-year term, commencing on March 31, 2009, the date his previous employment agreement expired. Effective March 31, 2012, this agreement was extended through November 30, 2012. Under this agreement, Dr. Kornman received an initial annual salary of \$360,000 and is eligible to receive annual bonuses solely at the discretion of the Board of Directors. Dr. Kornman's annual salary may be increased in the sole discretion of the Board of Directors. Under the agreement, on November 12, 2008 Dr. Kornman received a stock option to purchase 75,000 shares of common stock, at an exercise price of \$0.48 per share, which was the closing price as reported on the NYSE Amex on the grant date. The option was immediately exercisable with respect to 30,000 shares and vests with respect to an additional 15,000 shares on each of March 31, 2010, 2011, and 2012. Under the agreement, Dr. Kornman is entitled to participate in employee benefit plans that we provide or may establish for the benefit of our executive management generally. In addition, while Dr. Kornman remains employed by us, we will reimburse him \$3,296 annually for payment of life insurance premiums.

The agreement is terminable immediately by us with cause or upon thirty days prior written notice without cause. The agreement is terminable by Dr. Kornman upon thirty days prior written notice. If we terminate Dr. Kornman without cause or Dr. Kornman terminates his employment with good reason, then, in addition to payment of any accrued, but unpaid compensation prior to the termination, we must continue to pay his base salary and to provide health insurance benefits until the earlier of (1) expiration of the agreement or (2) twelve months. If we terminate Dr. Kornman in connection with a Cessation of our Business (as defined in the agreement), then, in addition to payment of any accrued, but unpaid compensation prior to the termination, we must continue to pay his base salary and to provide health insurance benefits until the earlier of (1) expiration of the agreement or (2) three months. The agreement also includes non-compete and non-solicitation provisions for a period of twelve months following the termination of Dr. Kornman's employment.

On March 31, 2010, Dr. Kornman was issued 12,500 shares of restricted stock under a restricted stock agreement dated April 30, 2008. In April 2010, as part of the year-end compensation process, the Compensation Committee granted Dr. Kornman an option to purchase 30,000 shares of our common stock. This option is exercisable at \$0.745 per share and vests as to 20% of the shares on each of the first five anniversaries of the date of grant.

In May 2011, the Compensation Committee granted Dr. Kornman an option to purchase 100,000 shares of our common stock. This option is exercisable at \$0.46 per share and vests as to 25% of the shares on each of the first four anniversaries of the date of grant.

On April 25, 2012, we executed an amendment, effective as of March 31, 2012, to Dr. Kornman's employment agreement to extend the term through November 30, 2012. In connection with the resignation of our former Chief Executive Officer 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 the CEO's resignation. On November 29, 2012, we entered into a second amendment to Dr. Kornman's employment agreement to extend the term through November 30, 2015. Effective upon Mr. Carbeau's appointment as Chief Executive Officer on April 6, 2015, Dr. Kornman resigned as Chief Executive Officer and continues to serve as Interleukin's President and Chief Scientific Officer and as a member of the Board of Directors.

In December 2012, the Compensation Committee granted Dr. Kornman an option to purchase 300,000 shares of our common stock. This option is exercisable at \$0.34 per share and vests as to 25%, 33% and 42% of the shares on each of the first three anniversaries of the date of grant.

In October 2013, Dr. Kornman was granted an option to purchase 2,250,000 shares of our common stock. This option has an exercise price of \$0.3799, the fair value of our common stock on the grant date of the option, and will vest as to ¼ of the shares on the first anniversary of the grant date, and as to 1/36 of the remaining shares at the end of each

month thereafter beginning on October 31, 2014. In January 2015, Dr. Kornman was granted an option to purchase 2,030,000 shares of our common stock. This option has an exercise price of \$0.26, the fair value of our common stock on the grant date of the option, and will vest as to 1/48 of the shares at the beginning of each month beginning on February 1, 2015.

On December 14, 2015, we entered into a new Employment Agreement with Dr. Kornman to continue to serve as our President and Chief Scientific Officer. The new agreement was effective as of December 1, 2015 and replaced the employment agreement, dated November 12, 2008, as amended on March 31, 2012 and November 29, 2012, which terminated by its terms on November 30, 2015. Pursuant to the new agreement, Dr. Kornman will receive an annual base salary of \$360,000 per year and is eligible to receive an annual bonus at a target amount of up to 35% of his base salary. Under the terms of the Agreement, Dr. Kornman was granted options to purchase up to 400,000 shares of our common stock at an exercise price of \$0.07 per share (the closing price of the common stock on December 14, 2015). The options will vest over 4 years with 1/48th of the shares to vest on the first day of each successive month beginning January 1, 2016, provided that he remains employed by us on the vesting date. In addition, if at any time within 90 days prior to or 12 months following a Change in Control (as defined in the new agreement), Dr. Kornman is terminated without Cause (as defined in the new agreement), the options will vest in full as of the date of such termination. The new agreement also provides that if Dr. Kornman's employment with Interleukin is terminated by us without Cause, subject to his execution of a release of claims agreement acceptable to us, he will be entitled to severance payments equal to 6 months of base salary.

In January 2016, Dr. Kornman was granted an option to purchase 400,000 shares of our common stock. This option has an exercise price of \$0.05, the fair value of our common stock on the grant date of the option, and will vest as to 1/4 of the shares on the first anniversary of the grant date, and as to 1/36 of the remaining shares at the end of each month thereafter beginning on February 1, 2017.

Scott Snyder

On December 26, 2012, we entered into an employment agreement with Scott Snyder for the position of Chief Marketing Officer beginning on January 2, 2013. The agreement provided for a minimum annual base salary of \$265,000, and he was eligible for a bonus under Interleukin's bonus plan. Mr. Snyder's employment with Interleukin terminated effective November 13, 2015.

We will pay Mr. Snyder any compensation that is earned but unpaid prior to termination, and an amount equal to six months of his base salary in effect at the time of the termination with such payment made in equal installments on our regularly-scheduled payroll dates. All stock options granted to Mr. Snyder expired unexercised as of February 11, 2016.

Bonus Plan

The Compensation Committee has approved an Employee Bonus Plan (the "Employee Bonus Plan"), pursuant to which bonuses may be awarded upon the achievement of certain 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.

Director Compensation

On April 29, 2010, our Board of Directors adopted the following policy for compensation of non-employee directors:

for service as a director, an annual retainer of \$20,000;

for service as the chair of a committee, an annual retainer of \$7,500;

for service as a non-chair member of a committee, an annual retainer of \$5,000;

·for each Board or committee meeting attended in person, by teleconference or by video, \$1,500; and

upon initial election or appointment to the Board, a grant of an option to purchase 15,000 shares of our common stock at an exercise price equal to the closing price of the common stock on the date of grant, with such option to vest in four equal annual installments on each of the first four anniversaries of the grant date.

Directors who are designated by Pyxis and BCC pursuant to the terms of the 2014 Purchase Agreement, as amended, are not eligible to receive the foregoing compensation. All of our directors are reimbursed for reasonable out-of-pocket expenses incurred in attending Board and committee meetings.

The following table shows the total compensation paid or accrued during the fiscal year ended December 31, 2015 to William C. Mills III and James Weaver. No other director was paid or accrued compensation during the fiscal year ended December 31, 2015.

Name (a)	Fiscal Year	Fees Earned or Paid in Cash (\$)	Stock Awards (\$)	Option Awards (\$)	All Other Compensation (\$)	Total (\$)
William C. Mills III (1)	2015	\$ 47,500	—	—	—	\$47,500
James Weaver (1)	2015	\$ 59,000	—	—	—	\$59,000

The following table shows the total number of outstanding and vested stock options, and shares of outstanding and (1)restricted common stock as of December 31, 2015, the last day of our fiscal year, that have been issued as director compensation.

Name	# of Stock Options Outstanding	# of Stock Options Vested	Shares of Common Stock Restricted
William C. Mills III	100,000	78,645	—
James Weaver	125,000	72,660	—

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters**SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT**

The following table sets forth certain information with respect to the beneficial ownership of our common stock as of March 31, 2016 for (a) the executive officers named in the Summary Compensation Table of this proxy statement, (b) each of our directors and director nominees, (c) all of our current directors and executive officers as a group, and (d) each stockholder known to us to beneficially own more than five percent of our common stock. Beneficial ownership is determined in accordance with the rules of the SEC and includes voting or investment power with respect to the securities. We deem shares that may be acquired by an individual or group within 60 days following March 31, 2016 pursuant to the exercise of options or warrants to be outstanding for the purpose of computing the percentage ownership of such individual or group, but are not deemed to be outstanding for the purpose of computing the percentage ownership of any other person shown in the table. Except as otherwise indicated, we believe that the stockholders named in the table have sole voting and investment power with respect to all shares shown to be beneficially owned by them based on information provided to us by these stockholders. Percentage ownership is based on a total of 172,953,440 shares of our common stock issued and outstanding on March 31, 2016.

Name and Address of Beneficial Owner(1)	Amount and Nature of Beneficial Ownership	Percent
Five Percent Stockholders		
Pyxis Innovations Inc. (2) 7575 Fulton Street, East Ada, MI 49355	37,565,478	21.7 %
Bay City Capital LLC (3) 750 Battery Street Suite 400 San Francisco, CA 94111	88,985,189	41.4 %
Growth Equity Opportunities Fund III LLC (4) 1954 Greenspring Drive Suite 600 Timonium, MD 21093	66,738,894	32.7 %
Delta Dental of Michigan, Inc. (5) 4100 Okemos Road Okemos, MI 48864	10,928,961	6.3 %
Directors and Executive Officers		
Mark B. Carbeau (6)	3,858,082	2.2 %
Kenneth S. Kornman, DDS, Ph.D. (7)	3,907,474	2.3 %
Scott Snyder (8)	38,307	*
Stephen DiPalma (9)	498,504	*
Lionel Carnot (10)	88,985,189	41.4 %
Roger C. Colman (11)	—	—
Joseph M. Landstra (11)	—	—

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William C. Mills, III (12)	88,137	*
Dayton Misfeldt (10)	88,985,189	41.4 %
James M. Weaver (13)	86,620	*
All current executive officers and directors as a Group (9 persons) (14)	97,424,006	43.9 %

* Represents less than 1% of the issued and outstanding shares.

(1) Unless otherwise indicated, the address for each person is our address at 135 Beaver Street, Waltham, MA 02452.

Based on a Schedule 13D/A filed on January 7, 2015 with the SEC by Pyxis Innovations Inc. (“Pyxis”) and affiliated entities. Pyxis is a wholly-owned subsidiary of Alticor Inc. Alticor Inc. is a wholly-owned subsidiary of Solstice Holdings Inc. Solstice Holdings Inc. is a wholly-owned subsidiary of Alticor Global Holdings Inc. Pyxis reports (2) sole voting and dispositive power over the shares, however, Alticor Inc., Solstice Holdings Inc., and Alticor Global Holdings Inc. have the power to direct the voting and disposition of these securities held by Pyxis by virtue of their direct or indirect control of Pyxis.

Based on a Schedule 13D/A filed on January 6, 2015 with the SEC by Bay City Capital LLC (“BCC”) and affiliated entities. BCC is the manager of Bay City Capital Management V LLC (“Management V”), which is the general partner of Bay City Capital Fund V, L.P (“Fund V”), and Bay City Capital Fund V Co-Investment Fund, L.P. (3) (“Co-Investment V”). BCC is also an advisor to Fund V and Co-Investment V. The shares consist of (i) 46,184,016 shares of common stock and 41,137,150 shares of common stock issuable upon the exercise of warrants held by Fund V, and (ii) 880,099 shares of common stock and 783,924 shares of common stock issuable upon the exercise of warrants held by Co-Investment V.

Based on a Schedule 13D/A filed on January 2, 2015 with the SEC by Growth Equity Opportunities Fund III, LLC (4) (“GEOF”) and affiliates. The shares consist of 35,298,087 shares of common stock and 31,440,807 shares of common stock issuable upon the exercise of warrants held by GEOF.

(5) Based on a Schedule 13D/A filed on January 16, 2015 with the SEC by Delta Dental Plan of Michigan, Inc. (“DDMI”).

(6) Consists of 3,858,082 shares of common stock issuable upon the exercise of options that are currently exercisable or become exercisable within 60 days of March 31, 2016.

Consists of (i) 332,915 shares of common stock held by Dr. Kornman, (ii) 898,723 shares of common stock held by a limited partnership of which Dr. Kornman is a general partner and (iii) 2,675,836 shares of common stock (7) issuable upon the exercise of options that are currently exercisable or become exercisable within 60 days of March 31, 2016. Dr. Kornman disclaims beneficial ownership of the shares held by the limited partnership, except to the extent of his pecuniary interest therein.

(8) Consists of 38,307 shares of common stock held by Mr. Snyder.

(9) Consists of (i) 249,252 shares of common stock held by Mr. DiPalma and (ii) 249,252 shares of common stock issuable upon the exercise of warrants.

Appointed to the Board of Directors as a designee of BCC pursuant to the terms of the 2014 Purchase Agreement. Includes the shares of our common stock and shares of common stock issuable upon the exercise of warrants outstanding detailed in Note (3) above held by the entities affiliated with BCC. The voting and dispositive (10) decisions with respect to the shares held by Fund V and Co-Investment V are made by the members of the investment committee of its general partner, Management V. Messrs. Carnot and Misfeldt serve on this investment committee. Each disclaims beneficial ownership of such shares, except to the extent of his actual pecuniary interest therein.

Appointed to the Board of Directors as a designee of Pyxis pursuant to the terms of the 2014 Purchase (11) Agreement. We have been advised that this director does not, directly or indirectly, have voting or dispositive power over the shares of stock held by Pyxis.

(12) Consists of 88,137 shares of common stock issuable upon the exercise of options that are currently exercisable or become exercisable within 60 days of March 31, 2016.

(13) Consists of 86,620 shares of common stock issuable upon the exercise of options that are currently exercisable or become exercisable within 60 days of March 31, 2016.

(14) See Notes 6 through 13 above.

EQUITY COMPENSATION PLAN INFORMATION

The following table provides certain aggregate information with respect to all of our equity compensation plans in effect as of December 31, 2015.

Plan category	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders (1)	10,035,497	\$ 0.32	30,949,576
Equity compensation plans not approved by security holders (2)	11,622,279	\$ 0.1525	—
Total	21,657,776	\$ 0.21	30,949,576

These plans consist of our 2000 Employee Stock Compensation Plan (the “2000 Plan”), our 2004 Employee, Director and Consultant Stock Plan (the “2004 Plan”), our 2013 Employee, Director and Consultant Equity Incentive Plan (the “2013 Plan”) and our 2012 Employee Stock Purchase Plan (the “2012 ESPP”). The number of shares set forth in (1) column (a) consists of shares subject to outstanding options under the 2000 Plan, the 2004 Plan and the 2013 Plan as of December 31, 2015. The number of shares set forth in column (c) consists of 30,649,503 shares remaining available for issuance under the 2013 Plan and 300,073 shares remaining available for issuance under the 2012 ESPP as of December 31, 2015.

(2) Consists of an inducement option grant provided to Mr. Carbeau, our Chief Executive Officer, pursuant to the terms of his employment agreement.

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

CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

Pursuant to the written charter of our Audit Committee, the Audit Committee is responsible for reviewing and approving, prior to our entry into any such transaction, all transactions in which we are a participant and in which any of the following persons has or will have a direct or indirect material interest: our executive officers; our directors; the beneficial owners of more than 5% of our securities; the immediate family members of any of the foregoing persons; and any other persons whom the Board determines may be considered related persons, any such person being referred to as a “related person.”

The following is a description of arrangements that we have entered into with related persons since January 1, 2014. We believe that the transactions described below were made on terms no less favorable to us than could have been obtained from unaffiliated third parties.

On October 26, 2009, we entered into a Merchant Network and Channel Partner Agreement with Amway Corp. d/b/a Amway Global, a subsidiary of Alticor, Inc., which is the parent company of Pyxis Innovations Inc., a stockholder of Interleukin. Pursuant to this Agreement, Amway Global sells our Inherent Health brand of genetic tests through its e-commerce Web site via a hyperlink to our e-commerce site. Amway Global receives a commission equal to a percentage of net sales received by us from Amway Global customers. The agreement has an initial term of 12 months and is automatically renewable for successive 12-month terms. The agreement may be terminated by either party upon 120 days written notice. As of the date of this prospectus, we have paid Amway Global approximately \$3.0 million in commissions under this agreement, including \$218,000 in 2014 and \$302,000 in 2015.

Beginning in September 2012 and again in 2013, Access Business Group LLC (“ABG”), an affiliate of Altacor, 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. Cash for the kits purchased for the 2013 program was received in the first quarter of 2013 and cash for the kits purchased for the 2014 program was received by December 31, 2013. As a component of the promotional program, and not reflective of actual product expiry, the kits were required to be redeemed by a certain date. The initial program required redemption by December 31, 2013, but the date of required redemption was extended such that the revenues will remain deferred until those kits are redeemed or the breakage analysis determines the probability of eventual redemption is remote. In February 2014, we removed the redemption date requirement, for which ABG paid us \$519,000 as a retrospective increase in the product purchase price. In October 2014, we received \$250,000 as a retrospective increase in the product purchase price for unsold kits as consideration for extending the required redemption date of the 2014 promotional program to December 31, 2017. Cash received for these kits will be treated as deferred revenues until specific kits are returned for processing or on the final allowed redemption date of December 31, 2017.

On September 21, 2012, we entered into a License Agreement with Access Business Group International LLC (“ABGI”), an affiliate of Altacor. Pursuant to the License Agreement, we have 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 (the “Territories”). ABGI, or a laboratory designated by ABGI or an affiliate of ABGI, will be responsible for processing the tests, and we 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. To date, we have been paid approximately \$513,780 under this agreement, including \$128,790 in 2014 and \$173,880 in 2015.

In connection with the execution of the License Agreement, we and ABGI also entered into a Professional Services Agreement (the “PSA”) pursuant to which we have 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 us for such services. The PSA has no set term and may be terminated by either party, subject to certain conditions. As of the date of this prospectus, we have been paid \$5,250 under this agreement, all being received in 2013.

We have also entered into an agreement with Pyxis containing certain terms for allocating opportunities as permitted under Section 122(17) of the Delaware General Corporation Law. This agreement regulates and defines the conduct of certain of our affairs as they may involve this stockholder and its affiliates, and the powers, rights, duties and liabilities of us and our officers and directors in connection with corporate opportunities. Except under certain circumstances, this stockholder and its affiliates 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 Pyxis, its affiliates, or one of our directors appointed by Pyxis acquire knowledge of a potential transaction or matter that may

be a corporate opportunity for both such stockholder and its affiliates and us, to the fullest extent permitted by law, such stockholder and its affiliates will not have a duty to inform us about the corporate opportunity or be liable to us or to our 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 Pyxis 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. The terms of these agreements will terminate on the date that no person who is a director, officer or employee of ours is also a director, officer, or employee of Pyxis.

On December 23, 2014, we closed the 2014 Private Placement, pursuant to which we sold to various accredited investors an aggregate of 50,099,700 shares of our common stock at a price of \$0.1003 per share for gross proceeds of \$5.0 million. The investors also received warrants to purchase up to an aggregate of 50,099,700 shares of common stock an exercise price of \$0.1003 per share with a term of seven years. The following beneficial owners of more than 5% of our securities participated in the 2014 Private Placement:

Purchaser	Shares	Warrant Shares	Purchase Price
Bay City Capital Fund V, L.P.	25,996,552	25,996,552	\$2,607,454.17
Bay City Capital Fund V Co-Investment Fund	495,400	495,400	\$49,688.62
Growth Equity Opportunities Fund III, LLC	19,868,965	19,868,965	\$1,992,857.17

In addition, Stephen DiPalma, our Interim Chief Financial Officer, purchased 249,252 shares of our common stock and received a warrant to purchase 249,252 shares of common stock in the 2014 Private Placement for a purchase price of \$25,000.

On December 23, 2014, we also entered into a Registration Rights Agreement with the investors in the 2014 Private Placement and BTIG LLC (the placement agent in the 2014 Private Placement), pursuant to which we are required to file a registration statement on Form S-1 within 45 days of December 23, 2014 to cover the resale of (i) the shares sold in the 2014 Private Placement and the shares of common stock underlying the 2014 Warrants issued in the 2014 Private Placement and (ii) the shares of Common Stock underlying the 2014 BTIG Warrants issued to BTIG LLC and affiliates as placement agent compensation. The failure on the part of Interleukin to satisfy certain deadlines described in the Registration Rights Agreement may subject us to payment of certain monetary penalties.

Effective as of February 1, 2016, we entered into a Services Agreement with Metagenics, Inc. to provide our PerioPredict test to Metagenics' employees as part of an enhanced employee benefits program. Metagenics is an affiliate of Alticor and Pyxis. Pursuant to this agreement, we will provide genetic testing and patient education to Metagenics employees, as well as dental professional support to their dental providers, and Metagenics will pay a fixed fee for each test processed by us. Through March 31, 2016, we have received no revenue under this agreement.

See also "Principal Stockholders."

Director Independence

Our Board of Directors has determined that the following members qualify as independent directors under the definition promulgated by NASDAQ: Lionel Carnot, Roger C. Colman, Joseph M. Landstra, William C. Mills III, Dayton Misfeldt and James M. Weaver.

Item 14. *Principal Accountant Fees and Services*

INDEPENDENT PUBLIC ACCOUNTANT

Principal Accountant Fees and Services

The following table presents fees for professional audit services rendered by Grant Thornton, LLP, our independent public accountant, for the audit of our annual financial statements for the years ended December 31, 2014 and December 31, 2015 and fees billed for other services rendered by Grant Thornton LLP during those periods.

	2014	2015
Audit fees(1)	\$216,786	\$210,345
Audit related fees	—	—
Tax fees	—	—
All other fees	—	—
Total	\$216,786	\$210,345

Audit fees consist of fees for professional services rendered for the audit of our annual financial statements and (1) review of the interim financial statements included in the quarterly reports and fees for services related to the Company's registration statements, consents and assistance with and review of documents filed with the SEC.

Policy on Audit Committee Pre-Approval of Audit and Permissible Non-audit Services of Independent Auditors

Consistent with SEC policies regarding auditor independence, the Audit Committee has responsibility for appointing, setting compensation and overseeing the work of the independent auditor. In recognition of this responsibility, the Audit Committee has established a policy to pre-approve all audit and permissible non-audit services provided by the independent auditor.

Prior to the engagement of the independent auditor for the next year's audit, management will submit to the Audit Committee for approval a summary of the services expected to be rendered during that year for each of four categories of services.

1. **Audit** services include audit work performed in the preparation of financial statements, as well as work that generally only the independent auditor can reasonably be expected to provide, including comfort letters, statutory audits, and attest services and consultation regarding financial accounting and/or reporting standards.

2. **Audit-Related** services are for assurance and related services that are traditionally performed by the independent auditor, including due diligence related to mergers and acquisitions, employee benefit plan audits, and special procedures required to meet certain regulatory requirements.

3. **Tax** services include all services performed by the independent auditor's tax personnel except those services specifically related to the audit of the financial statements, and includes fees in the areas of tax compliance, tax planning, and tax advice.

4. **Other Fees** are those associated with services not captured in the other categories. The Company generally does not request such services from the independent auditor..

Prior to the engagement, the Audit Committee pre-approves these services by category of service. The fees are budgeted and the Audit Committee requires the independent auditor and management to report actual fees versus the budget periodically throughout the year by category of service. During the year, circumstances may arise when it may become necessary to engage the independent auditor for additional services not contemplated in the original pre-approval. In those instances, the Audit Committee requires specific pre-approval before engaging the independent auditor.

The Audit Committee may delegate pre-approval authority to one or more of its members. The member to whom such authority is delegated must report, for informational purposes only, any pre-approval decisions to the Audit Committee at its next scheduled meeting.

PART IV

Item 15. Exhibits

Item 15(a). The following documents are filed as part of this Amendment No. 1 to Annual Report on Form 10-K:

Item 15(a)(1) and (2). See “Index to Financial Statements” at Item 8 to the Original 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
3.1.1	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)
3.1.2	Certificate of Amendment of Restated Certificate of Incorporation of the Company, as filed with the Delaware Secretary of State on July 21, 2015 (incorporated herein by reference to Exhibit 3.1 of the Company’s Current Report on Form 8-K filed July 23, 2015)
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)
4.5	Form of Warrant issued to the Investors and the Placement Agent in the December 2014 Private Placement (incorporated herein by reference to Exhibit 4.1 of the Company’s Current Report on Form 8-K filed on December 23, 2014)
4.6	

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Form of Warrant issued to Horizon Technology Finance Corporation and its affiliates in the December 2014 Debt Transaction (incorporated herein by reference to Exhibit 4.2 of the Company's Current Report on Form 8-K filed on December 23, 2014)

- 4.7 Common Stock Purchase Warrant, dated September 8, 2014, issued to Danforth Advisors, LLC (incorporated herein by reference to Exhibit 4.5 of the Company's Registration Statement on Form S-1 filed on February 6, 2015 (File No.: 333-201908))

Leases

- 10.1.1 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)

- 10.1.2 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)

Equity Compensation Plans

- 10.2.1@ 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)

- 10.2.2@ 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)

Exhibit No.	Identification of Exhibit
10.2.3@	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)
10.3.1@	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)
10.3.2@	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)
10.3.3@	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)
10.4.1@	2013 Employee, Director and Consultant Equity Incentive Plan, as amended (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on July 23, 2015)
10.4.2@	Form of Nonqualified Stock Option Agreement under the 2013 Employee, Director and Consultant Equity Incentive Plan (incorporated by reference to Exhibit 10.6.2 of the Company's Annual Report on Form 10-K filed on March 20, 2014)
10.4.3@	Form of Incentive Stock Option Agreement under the 2013 Employee, Director and Consultant Equity Incentive Plan (incorporated by reference to Exhibit 10.6.3 of the Company's Annual Report on Form 10-K filed on March 20, 2014)
 <u>Agreements with Executive Officers and Directors</u>	
10.5@	Employment Letter Agreement, dated December 14, 2015, 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 December 15, 2015)
10.6.1@	Executive Employment Agreement, dated April 6, 2015, between Interleukin Genetics, Inc. and Mark B. Carbeau (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on April 9, 2015).
10.6.2@	Non-Qualified Stock Option Agreement, dated April 6, 2015, by and between Interleukin Genetics, Inc. and Mark B. Carbeau (incorporated herein by reference to Exhibit 99.2 of the Company's Registration Statement on Form S-8 filed on November 18, 2015 (File No. 333-208094)).
10.7@	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)
10.8@	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)
10.9@	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)
10.10@	Offer Letter, dated March 31, 2014, between Interleukin Genetics, Inc. and James M. Weaver (incorporated by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed March 31, 2014)
10.11@	Consulting Agreement, dated September 8, 2014, by and between Interleukin Genetics, Inc. and Danforth Advisors, LLC. (incorporated herein by reference to Exhibit 10.13 of the Company's Registration Statement on Form S-1 filed on February 6, 2015)

Agreements Related to Financing Transactions

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- 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)
- 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)

Exhibit No.	Identification of Exhibit
10.14.1	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)
10.14.2	First Amendment, dated March 31, 2014, to Common Stock Purchase Agreement, dated May 17, 2013 (incorporated by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed March 31, 2014)
10.14.3	Second Amendment, dated May 30, 2014, to Common Stock Purchase Agreement, dated May 17, 2013 (incorporated by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed June 2, 2014)
10.14.4	Third Amendment, dated April 9, 2015, to Common Stock Purchase Agreement, dated May 17, 2013 (incorporated by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed April 9, 2015)
10.15	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)
10.16.1	Securities Purchase Agreement, dated December 23, 2014, by and among Interleukin and the Investors in the December 2014 Private Placement (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on December 23, 2014)
10.16.2	First Amendment, dated April 6, 2015, to Securities Purchase Agreement dated December 23, 2014, by and among Interleukin and the Investors in the December Private Placement (incorporated herein by reference to Exhibit 10.3 of the Company's Current Report on Form 8-K filed on April 9, 2015)
10.17	Registration Rights Agreement, dated December 23, 2014, by and among Interleukin and the Investors in the December 2014 Private Placement and BTIG, LLC (incorporated herein by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed on December 23, 2014)
10.18	Venture Loan and Security Agreement, dated December 23, 2014, by and between Interleukin and Horizon Technology Finance Corporation (incorporated herein by reference to Exhibit 10.3 of the Company's Current Report on Form 8-K filed on December 23, 2014)
 <u>Agreements with respect to Collaborations, Licenses and Research and Development</u>	
10.19.1	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)
10.19.2	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)
10.20	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)
10.21+	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)
10.22	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)

- 10.23+ Services Agreement, effective as of February 1, 2016, by and between Interleukin Genetics, Inc. and Metagenics, Inc. (incorporated herein by reference to Exhibit 10.23 of the Company's Annual Report on Form 10-K filed on March 16, 2016)

Consents, Certifications and Other Exhibits

- 23.1 Consent of Grant Thornton LLP (incorporated herein by reference to Exhibit 23.1 of the Company's Annual Report on Form 10-K filed on March 16, 2016)
- 31.1 Certification of Chief Executive Officer pursuant to Section 302 of Sarbanes-Oxley Act of 2002 (incorporated herein by reference to Exhibit 31.1 of the Company's Annual Report on Form 10-K filed on March 16, 2016)
- 31.1.1* 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 (incorporated herein by reference to Exhibit 31.2 of the Company's Annual Report on Form 10-K filed on March 16, 2016)
- 31.2.1* Certification of Principal Financial Officer pursuant to Section 302 of Sarbanes-Oxley Act of 2002

**Exhibit
No. Identification of Exhibit**

- 32.1 Certification pursuant to Section 906 of Sarbanes-Oxley Act of 2002 (incorporated herein by reference to Exhibit 32.1 of the Company's Annual Report on Form 10-K filed on March 16, 2016)
- 101 The following materials from Interleukin Genetics Inc.'s Annual Report on Form 10-K for the year ended December 31, 2015, 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 (incorporated herein by reference to Exhibit 101 of the Company's Annual Report on Form 10-K filed on March 16, 2016)

*

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.
[@] Management contract or compensatory plan, contract or arrangement.

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/ Mark B. Carbeau
Mark B. Carbeau
Chief Executive Officer

Date: April 29, 2016