

INTERLEUKIN GENETICS INC  
Form 10-K/A  
April 18, 2017

**UNITED STATES**

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 10-K/A**

**(Amendment No. 1)**

**<sup>x</sup> ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT  
OF 1934**

**For the fiscal year ended December 31, 2016**

**<sup>o</sup> 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**  
(State or other jurisdiction of

**94-3123681**  
(I.R.S. Employer

incorporation or organization) 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 Act:

Securities registered pursuant to Section 12(g) of the 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 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 herein 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," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer <input type="radio"/>	Accelerated filer <input type="radio"/>	Non-accelerated filer <input type="radio"/>	Smaller reporting company <input checked="" type="radio"/>	Emerging growth company <input type="radio"/>
		(Do not check if a smaller reporting company)		

company)

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the 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 \$5,284,540.

As of April 13, 2017, there were 229,471,392 shares of the registrant's Common Stock issued and outstanding.

#### **Documents Incorporated By Reference**

Portions of the registrant's Definitive Proxy Statement for the 2017 Annual Meeting of Shareholders are incorporated by reference in Part III hereof.

**EXPLANATORY NOTE**

The sole purpose of this Amendment No. 1 to the Annual Report on Form 10-K of Interleukin Genetics, Inc. (the “Company”) for the year ended December 31, 2016, filed with the Securities and Exchange Commission on April 17, 2017 (the “Form 10-K”), is to submit the Interactive Data Files on Exhibit 101.

No other changes have been made to the Form 10-K, and this Amendment has not been updated to reflect events occurring subsequent to the filing of the Form 10-K.

**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.

<b>Exhibit No.</b>	<b>Identification of Exhibit</b>
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	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))

- 4.8 Form of Warrant issued to Investors in the 2016 Private Placement (incorporated herein by reference to Exhibit 4.1 of the Company's Current Report on Form 8-K filed on August 1, 2016)
- 4.9 Form of Warrant issued to Horizon Technology Finance Corporation and its affiliates in the 2016 Debt Restructuring (incorporated herein by reference to Exhibit 4.1 of the Company's Current Report on Form 8-K filed on August 26, 2016)
- 4.10\* Form of Warrant issued to Horizon Technology Finance Corporation and its affiliates in the April 2017 Debt Restructuring
- 4.11\* Form of Warrant issued to Investors in the April 2017 Bridge Financing
- 4.12\* Form of Subordinated Convertible Promissory Note issued to Investors in April 2017 Bridge Financing

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)
- 10.1.3 Third Amendment to Commercial Lease, dated as of September 27, 2016, 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 September 30, 2016)

<b>Exhibit No.</b>	<b>Identification of Exhibit</b>
	<u>Equity Compensation Plans</u>
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)
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 (File No. 001-32715)).
10.6.2	Non-Qualified Stock Option Agreement, dated April 6, 2015, by and between Interleukin Genetics, Inc. and Mark Carbeau (incorporated herein by reference to Exhibit 99.2 of the Company's Registration Statement on Form S-8 (File No. 333-208094) filed on November 18, 2015.
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 May 19, 2016 and effective as of August 15, 2016, by and between Interleukin and Stephan Toutain (incorporated by reference to Exhibit 10.4 of the Company's Quarterly

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Report on Form 10-Q filed on November 14, 2016)

Offer Letter, dated March 31, 2014, between Interleukin Genetics, Inc. and James M. Weaver  
(incorporated

10.10@

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)

<b>Exhibit No.</b>	<b>Identification of Exhibit</b>
	<u>Financing Agreements</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)
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)
10.14.1	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

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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)  
Venture Loan and Security Agreement, dated December 23, 2014, by and between Interleukin and Horizon

- 10.18.1 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)
- 10.18.2 First Amendment of Venture Loan and Security Agreement, dated August 25, 2016, by and among Interleukin Genetics, Inc. and Horizon Credit II LLC, as assignee of Horizon Technology Finance Corporation (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on August 26, 2016)
- 10.18.3\* Second Amendment of Venture Loan and Security Agreement, dated April 17, 2017, by and among Interleukin Genetics, Inc. and Horizon Credit II LLC, as assignee of Horizon Technology Finance Corporation
- 10.19 Securities Purchase Agreement, dated July 29, 2016, by and among Interleukin and the Investors in the 2016 Private Placement (incorporated herein by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed on August 1, 2016)
- 10.20 Registration Rights Agreement, dated July 29, 2016, by and among Interleukin and the Investors in the 2016 Private Placement (incorporated herein by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed on August 1, 2017)
- 10.21\* Subscription Agreement, dated April 17, 2017 by and among Interleukin and the Investors in the April 2017 Bridge Financing

<b>Exhibit No.</b>	<b>Identification of Exhibit</b>
	<u>Agreements with respect to Collaborations, Licenses and Research and Development</u>
10.22.1	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)
10.22.2	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)
10.23	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)
10.24+	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)
10.25	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)
10.26+	Services Agreement, effective as of February 1, 2016, by and between Interleukin Genetics, Inc. and Metagenics, Inc. (incorporated by reference to Exhibit 10.23 of the Company's Annual Report on Form 10-K filed on March 16, 2016)
10.27+	Services Agreement, dated July 1, 2016, by and between Interleukin Genetics, Inc. and Alticor Inc. (incorporated by reference to Exhibit 10.1 of the Company's Quarterly Report on Form 10-Q filed on November 14, 2016)
	<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
31.1.2**	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
31.2.2**	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, 2016, 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 with the Company's Annual Report on Form 10-K for the year ended December 31, 2016, filed with the Securities and Exchange Commission on April 17, 2017.

\*\*

Filed herewith.

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<sup>+</sup> 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.

<sup>++</sup> Confidential treatment with respect to certain portions of this exhibit has been requested from the Securities and Exchange Commission. 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 18, 2017