

PYXIS INNOVATIONS INC  
Form SC 13D/A  
August 19, 2009  
UNITED STATES

**SECURITIES AND EXCHANGE COMMISSION**

**WASHINGTON, D.C. 20549**

**SCHEDULE 13D/A**

**Under the Securities Exchange Act of 1934**

(Amendment No. 9)

INTERLEUKIN GENETICS, INC.  
(Name of Issuer)

Common Stock \$.001 Par Value  
(Title of Class of Securities)

458738101  
(CUSIP Number)

Bryan Cave LLP  
One Metropolitan Square  
211 North Broadway, Suite 3600  
St. Louis, Missouri 63102  
Attention: Robert J. Endicott  
Telephone (314) 259-2447  
(Name, Address and Telephone Number of Person Authorized to  
Receive Notices and Communications)

August 10, 2009  
(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box.

(Continued on the following pages)

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The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.



**SCHEDULE 13D**

1 NAMES OF REPORTING PERSONS

Pyxis Innovations Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS

AF

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF 7 SOLE VOTING POWER

SHARES 35,927,232

8 SHARED VOTING POWER

BENEFICIALLY

0

OWNED BY

9 SOLE DISPOSITIVE POWER

EACH

35,927,232

10 SHARED DISPOSITIVE POWER

REPORTING

PERSON WITH

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

35,927,232

12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

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13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

58.8%

14 TYPE OF REPORTING PERSON

CO

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**SCHEDULE 13D**

1 NAMES OF REPORTING PERSONS

Alticor Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)  x

(b)  o

3 SEC USE ONLY

4 SOURCE OF FUNDS

OO

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)  o

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Michigan

NUMBER OF 7 SOLE VOTING POWER

SHARES 35,927,232  
8 SHARED VOTING POWER

BENEFICIALLY 0

OWNED BY 9 SOLE DISPOSITIVE POWER

EACH 35,927,232  
10 SHARED DISPOSITIVE POWER

REPORTING

PERSON WITH 0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

35,927,232

12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

o

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

14 58.8%  
TYPE OF REPORTING PERSON

HC

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**SCHEDULE 13D**

1 NAMES OF REPORTING PERSONS

Solstice Holdings Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)  x

(b)  o

3 SEC USE ONLY

4 SOURCE OF FUNDS

OO

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)  o

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Michigan

NUMBER OF 7 SOLE VOTING POWER

SHARES 35,927,232

8 SHARED VOTING POWER

BENEFICIALLY

0

OWNED BY

9 SOLE DISPOSITIVE POWER

EACH

35,927,232

10 SHARED DISPOSITIVE POWER

REPORTING

PERSON WITH

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

35,927,232

12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

o

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

58.8%

14 TYPE OF REPORTING PERSON

HC

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**SCHEDULE 13D**

1 NAMES OF REPORTING PERSONS

Alticor Global Holdings Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)  x

(b)  o

3 SEC USE ONLY

4 SOURCE OF FUNDS

OO

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)  o

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF	7	SOLE VOTING POWER
SHARES	8	35,927,232
BENEFICIALLY		SHARED VOTING POWER
OWNED BY	9	0
EACH	10	SOLE DISPOSITIVE POWER
REPORTING		35,927,232
PERSON WITH		SHARED DISPOSITIVE POWER
		0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

35,927,232

12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

0

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

58.8%

14 TYPE OF REPORTING PERSON

HC

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**SCHEDULE 13D**

This Amendment No. 9 to Schedule 13D (this "Amendment No. 9") amends the initial Statement on Schedule 13D filed March 14, 2003 of Pyxis Innovations Inc. ("Pyxis"), Alticor Inc., Solstice Holdings Inc. (formerly known as Alticor Holdings Inc.) and Alticor Global Holdings Inc. (the "Initial Schedule 13D"), as amended by Amendment No. 1 filed July 22, 2003 ("Amendment No. 1"), Amendment No. 2 filed September 24, 2004 ("Amendment No. 2"), Amendment No. 3 filed June 23, 2006 ("Amendment No. 3"), Amendment No. 4 filed August 28, 2006 ("Amendment No. 4"), Amendment No. 5 filed July 25, 2007 ("Amendment No. 5"), Amendment No. 6 filed January 16, 2008 ("Amendment No. 6"), Amendment No. 7 filed September 19, 2008 ("Amendment No. 7") and Amendment No. 8 filed March 26, 2009 ("Amendment No. 8").

Amendment No. 8, Amendment No. 7, Amendment No. 6, Amendment No. 5, Amendment No. 4, Amendment No. 3, Amendment No. 2, Amendment No. 1 and the Initial Schedule 13D are collectively referred to in this Amendment No. 9 as the "Previous Filings." To the extent any item is superseded by a later filing, the later filing is operative and controlling. As noted therein, Amendment No. 8 restated certain information previously included in the Initial Schedule 13D and Amendment No. 7, Amendment No. 6, Amendment No. 5, Amendment No. 4, Amendment No. 3, Amendment No. 2 and Amendment No. 1. Except as otherwise set forth herein, this Amendment No. 9 does not modify any of the information previously reported in the Previous Filings.

*Explanatory Note*

This Amendment No. 9 is filed for the purpose of providing information regarding the entry into a First Amendment to Amended and Restated Note Purchase Agreement dated August 10, 2009 between the Issuer and Pyxis (the "Note Purchase Agreement Amendment"), as more fully described in Item 4(a) below.

**Item 1. Security and Issuer.**

Name of Issuer:

Interleukin Genetics, Inc.

Title of Class of Equity Securities:

Common Stock \$.001 Par Value

Address of Issuer's Principal Executive Office:

135 Beaver Street

Waltham, MA 02452

**SCHEDULE 13D**

**Item 2. Identity and Background.**

The information set forth in Item 2 of Amendment No. 8 is incorporated herein by reference.

**Item 3. Source and Amount of Funds or Other Consideration.**

On June 11, 2008 and May 29, 2009, Pyxis loaned \$4,000,000 and \$1,000,000, respectively, to the Issuer as part of a credit facility described in more detail in Item 4(a) below. The source of Pyxis' funds for these transactions was an intercompany loan from Alticor Inc. to Pyxis.

**Item 4. Purpose of Transaction.**

The information set forth in Item 4 of Amendment No. 8 is incorporated herein by reference.

(a) As previously disclosed in Amendment No. 8, on March 10, 2009, Pyxis and the Issuer entered into an Amended and Restated Note Purchase Agreement, pursuant to which Pyxis extended the term of a credit facility to March 31, 2010. The notes issued under the credit facility are convertible into shares of the Issuer's common stock (the "Common Stock") at a conversion price equal to \$5.6783 per share. The Issuer has elected to draw down an aggregate principal amount of \$5,000,000 under the credit facility in exchange for two convertible notes issued to Pyxis, leaving \$9,316,255 in total availability under the credit facility. All borrowings under the credit facility are due on August 16, 2011.

The Note Purchase Agreement Amendment extended the term of the credit facility to January 1, 2011. All borrowings under the credit facility remain due on August 16, 2011.

**Item 5. Interest in Securities of the Issuer.**

(a) Pyxis beneficially owns 35,927,232 shares of the Issuer's stock, which is approximately 58.8% of the sum of the number of the Issuer's Common Stock that was outstanding as of April 30, 2009 (as reported in the Issuer's most recent Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission) plus the number of shares that would have been outstanding upon conversion of all of the preferred stock and the convertible notes held by Pyxis as of such date.

Alticor Inc., Solstice Holdings Inc., and Alticor Global Holdings Inc. may be deemed to beneficially own the same 35,927,232 shares of the Issuer's stock.

The number of shares reported in this Item 5(a) includes 6,884,056 shares of Common Stock owned directly by Pyxis, 28,160,200 shares of Common Stock issuable to Pyxis upon conversion of its 5,000,000 shares of Series A Preferred Stock and 882,976 shares of Common Stock issuable to Pyxis upon conversion of the convertible notes issued June 11, 2008 and May 29, 2009, in each case as of April 30, 2009. In determining Pyxis' beneficial ownership



**SCHEDULE 13D**

percentage above, a division calculation is used wherein 35,927,232 is the numerator and the denominator is equal to the sum of: (a) all shares of Common Stock outstanding (as reported by the Issuer), (b) 28,160,200 shares issuable to Pyxis upon the conversion of the Series A Preferred Stock, and (c) 882,976 shares issuable to Pyxis upon the conversion of the convertible notes.

The calculations in this Item 5(a) are based on the Issuer having 32,010,837 shares of Common Stock outstanding as of April 30, 2009, as reported in the Issuer's most recent Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission. In addition, these calculations assume no outstanding options or other rights to obtain Common Stock have been exercised by their holders except for the conversion of the Series A Preferred Stock and convertible notes by Pyxis as described herein or as otherwise indicated by the Issuer.

None of the other persons named in Item 2 of Amendment No. 8 is the beneficial owner of the Common Stock except to the extent beneficial ownership of shares owned by Pyxis may be attributed to such person.

(b) Pyxis holds the sole power to vote and dispose of the securities of Issuer that it holds. Alticor Inc., Solstice Holdings Inc., and Alticor Global Holdings Inc. have the power to direct the voting and disposition of the securities of the Issuer held by Pyxis by virtue of their direct or indirect control of Pyxis.

(c) None

(d) Not applicable

(e) Not applicable

The responses to (a) of this Item 5 are "Not Applicable" for the Directors and Officers named in Item 2 of Amendment No. 8. The responses to paragraph (b) and (c) of this Item 5 are "Not Applicable" and "None", respectively, for Alticor Inc., Solstice Holdings Inc., Alticor Global Holdings Inc., and the Directors and Officers named in Item 2 of Amendment No. 8.

In addition, the information included in Item 4 above and in Item 4 of Amendment No. 8 is incorporated herein by reference.

**Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.**

The information set forth in Item 6 of Amendment No. 8 and in Item 4 of this Amendment No. 9 is incorporated herein by reference.

**SCHEDULE 13D**

**Item 7. Material to Be Filed as Exhibits.**

**Exhibit**

**Number**

**Description**

- 99.1 (i) Stock Purchase Agreement, dated March 5, 2003, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 10.1 to the Issuer's Form 8-K filed on March 5, 2003).  
(ii) Amendment No. 1 to Stock Purchase Agreement, dated May 20, 2003, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 10.1 to the Issuer's Form 8-K filed on May 30, 2003).  
(iii) Second Amendment to Stock Purchase Agreement, dated March 5, 2005, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 10.41 to the Issuer's Form 10-K for the year ended December 31, 2004).
- 99.2 Certificate of Designations, Preferences and Rights of the Series A Preferred Stock of Interleukin Genetics, Inc. filed with the Delaware Secretary of State (hereby incorporated by reference to Exhibit 3.1 to the Issuer's Form 8-K filed on March 5, 2003).
- 99.3 (i) Stock Purchase Agreement, dated August 17, 2006, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 99.12 to Amendment No. 4 filed August 17, 2006).  
(ii) First Amendment to Stock Purchase Agreement, dated August 12, 2008, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 99.14 to Amendment No. 7 filed September 19, 2008).  
(iii) Second Amendment to Stock Purchase Agreement, dated March 10, 2009, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 99.3(iii) to Amendment No. 8 filed March 26, 2009).
- 99.4 (i) Amended and Restated Note Purchase Agreement, dated March 10, 2009, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 99.1 to the Issuer's Form 8-K filed on March 13, 2009).  
(ii) \*First Amendment to Amended and Restated Note Purchase Agreement dated August 10, 2009 between Interleukin Genetics, Inc. and Pyxis Innovations Inc.
- 99.5 (i) Exclusive License Agreement, dated March 5, 2003, between Interleukin Genetics, Inc. and Access Business Group International LLC (hereby incorporated by reference to Exhibit 10.7 to the Issuer's Form 8-K filed on March 5, 2003).
-

**SCHEDULE 13D**

(ii) \*\*First Amendment to Exclusive License Agreement, dated September 1, 2008, between Interleukin Genetics, Inc. and Access Business Group International LLC (hereby incorporated by reference to Exhibit 99.16 to Amendment No. 7 filed September 19, 2008).

99.6 Amended and Restated Bylaws of Interleukin Genetics, Inc. filed with the Delaware Secretary of State (hereby incorporated by reference to Exhibit 3.1 to the Issuer's Form 8-K filed on July 28, 2008).

99.7 Registration Rights Agreement, dated March 5, 2003, between Interleukin Genetics, Inc. and Pyxis Innovations Inc. (hereby incorporated by reference to Exhibit 10.8 to the Issuer's Form 8-K filed on March 5, 2003).

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\* Filed herein.

\*\* Confidential treatment granted as to certain portions, which portions are omitted and filed separately with the SEC.



**SCHEDULE 13D**

**SIGNATURES**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: August 18, 2009

PYXIS INNOVATIONS INC.

By: /s/ Kim S. Mitchell  
Kim S. Mitchell, Assistant Secretary

Dated: August 18, 2009

ALTICOR INC.

By: /s/ Kim S. Mitchell  
Kim S. Mitchell, Assistant Secretary

Dated: August 18, 2009

SOLSTICE HOLDINGS INC.

By: /s/ Kim S. Mitchell  
Kim S. Mitchell, Assistant Secretary

Dated: August 18, 2009

ALTICOR GLOBAL HOLDINGS INC.

By: /s/ Kim S. Mitchell  
Kim S. Mitchell, Assistant Secretary

**EXHIBIT INDEX**

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