



Edgar Filing: INTERLEUKIN GENETICS INC - Form SC 13G

-----  
 (3) SEC USE ONLY  
 -----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware  
 -----

NUMBER OF SHARES	(5) SOLE VOTING POWER	See Marxe/Greenhouse
-BENEFICIALLY OWNED BY	(6) SHARED VOTING POWER	None
EACH	(7) SOLE DISPOSITIVE POWER	See Marxe/Greenhouse
REPORTING PERSON WITH:	(8) SHARED DISPOSITIVE POWER	None

-----  
 (9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON

990,000 (includes 330,000 warrants)  
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(10) CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
 CERTAIN SHARES (See Instructions)

-----  
 (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

4.5  
 -----

(12) TYPE OF REPORTING PERSON (See Instructions)

IV/IA  
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\* AWM Investment Company, Inc., a Delaware corporation is the  
 General Partner of this entity.

CUSIP No. 458738101

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(1) NAME OF REPORTING PERSONS  
 I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Special Situations Private Equity Fund, L.P. F13-3916551  
 ("SSPE")  
 MG Advisers L.L.C. ("MG") F13-3916549  
 -----

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See  
 Instructions)

(a) | |

(b) |X|  
 -----

(3) SEC USE ONLY  
 -----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware  
 -----

NUMBER OF SHARES	(5) SOLE VOTING POWER	See Marxe/Greenhouse
-BENEFICIALLY OWNED BY	(6) SHARED VOTING POWER	None
EACH	(7) SOLE DISPOSITIVE POWER	See Marxe/Greenhouse
REPORTING PERSON WITH:	(8) SHARED DISPOSITIVE POWER	None

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(9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON

430,000 (includes 160,000 warrants)

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(10) CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

-----  
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

1.9

-----  
(12) TYPE OF REPORTING PERSON (See Instructions)

IV/IA  
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(1) NAME OF REPORTING PERSON  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Special Situations Cayman Fund, L.P. ("CAY") 98-0132442  
AWM Investment Company, Inc. ("AWM") 11-3086452

-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See  
Instructions)

(a) | |  
(b) |X|

-----  
(3) SEC USE ONLY

-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands, Delaware

-----  
NUMBER OF            (5) SOLE VOTING POWER    See Marxe/Greenhouse  
SHARES  
BENEFICIALLY        (6) SHARED VOTING POWER                      None  
OWNED BY  
EACH                    (7) SOLE DISPOSITIVE POWER    See Marxe/Greenhouse  
REPORTING  
PERSON WITH:        (8) SHARED DISPOSITIVE POWER                      None  
-----

(9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON  
330,000 (includes 110,000 warrants)

-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

-----  
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

1.5

-----  
(12) TYPE OF REPORTING PERSON\*

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IV/IA

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(1) NAME OF REPORTING PERSON  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY).

Austin W. Marxe  
David M. Greenhouse

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See  
Instructions)

(a) | |  
(b) |X|

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION

United States of America

NUMBER OF SHARES	(5) SOLE VOTING POWER	1,750,000
BENEFICIALLY OWNED BY	(6) SHARED VOTING POWER	None
EACH	(7) SOLE DISPOSITIVE POWER	1,750,000
REPORTING PERSON WITH:	(8) SHARED DISPOSITIVE POWER	None

(9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON

1,750,000 (includes 600,000 warrants)

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES (See Instructions)

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

7.9

(12) TYPE OF REPORTING PERSON\*

IN

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Item 1.

(a) Name of Issuer: Interleukin Genetics Inc.  
(b) Address of Issuer's Principal Executive Offices:  
135 Beaver St., Watham, MA 02452

Item 2.

(a) Name of Person Filing: This statement is filed on behalf  
of (i) Special Situations Fund III, L.P., a Delaware limited  
partnership ("SSF III"); (ii) Special Situations Private Equity

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Fund, L.P., a Delaware limited partnership ("SSPE") (iii) Special Situations Cayman Fund, L.P., a Cayman Islands limited partnership (the "Cayman Fund"); (iv) MGP Advisers Limited Partnership, a Delaware limited partnership, ("MGP"); (v) MG Advisers L.L.C., a New York limited liability company ("MG"); (vi) AWM Investment Company, Inc., a Delaware corporation ("AWM"); (vii) Austin W. Marxe and (viii) David Greenhouse. Each of the foregoing is hereinafter individually referred to as a "Reporting Person" and collectively as the "Reporting Persons."

(b) Address of Principal Business Office or, if none, Residence: The principal office and business address of the Reporting Persons, other than the Cayman Fund, is 153 East 53 Street, New York, New York 10022. The principal office and business address of the Cayman Fund is c/o CIBC Bank and Trust Company (Cayman) Limited, CIBC Bank Building, P.O. Box 694, Grand Cayman, Cayman Islands, British West Indies.

(c) Citizenship: SSF III, SSPE, and MGP are Delaware limited

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partnerships. MG is a New York limited liability company and AWM is a Delaware corporation. The Cayman Fund was formed under the laws of the Cayman Island. Austin W. Marxe and David M. Greenhouse are United States citizens. The principal business of SSF III, SSPE, and the Cayman Fund (individually, a "Fund" and, collectively, the "Funds") is to invest in, sell, convey, transfer, exchange and otherwise trade in principally equity and equity related securities. The principal business of MGP is to act as general partner of and investment adviser to SSF III. The principal business of MG is to act as the general partner of and the investment adviser to SSPE. The principal business of AWM is to act as general partner of MGP and general partner of and investment adviser to the Cayman Fund. MGP, MG, and AWM are referred to herein, individually, as an "Adviser" and, collectively, as the "Advisers." The principal occupation of Austin W. Marxe and David Greenhouse is to serve as officers, directors and members or principal shareholders of the Advisers.

2(d) Title of Class of Securities: See cover sheets.

(e) CUSIP Number: See cover sheets.

Item 3. If this statement is filed pursuant to §240.13d-1(b) or 240.13d-2(b), check whether the person filing is a:

- (a)  Broker or Dealer registered under section 15 of the Act;
- (b)  Bank as defined in section 3(a) (6) of the Act;
- (c)  Insurance Company as defined in section 3(a) (19) of the Act;

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(d)  Investment Company registered under section 8 of the Investment Company Act of 1940;

(e)  An Investment Adviser in accordance with §240.13d-1(b) (I) (ii) (E);

(f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b) (I) (ii) (F);

(g)  A parent holding company or control person in accordance with §240.13d-1(b) (1) (ii) (G);

(h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;

(i)  A church plan that is excluded from the definition of an investment company under section 3(c) (14) of the Investment Company Act of 1940;

(j)  Group, in accordance with §240.13d-1(b) (1) (ii) (J). See Exhibit A attached hereto.

Item 4. Ownership:

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(a) Amount Beneficially Owned: 1,750,000 shares of Common Stock are beneficially owned by Austin W. Marx and David Greenhouse; of which 660,000 shares of common stock and 330,000 warrants are owned by SSF III, 270,000 shares of common stock and 160,000 warrants are owned by SSPE, and 220,000 shares of common stock and 110,000 warrants are owned by CAY.

(b) Percent of Class: 7.9 percent of the Common Stock are beneficially owned by Austin Marx and David Greenhouse. 4.5 percent of the Common Stock are beneficially owned by SSF III, 1.9 percent are beneficially owned by SSPE, and 1.5 percent are

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owned by the Cayman Fund.

(c) Number of Shares as to which the person has Rights to Vote and/or Dispose of Securities: SSF III, SSPE, CAY, MGP, MG, and AWM have sole power to vote or to direct the vote and to dispose or to direct the disposition of all securities reported hereby which are respectively beneficially owned by each Fund and its Adviser. Austin Marx and David Greenhouse have shared power to vote or to direct the vote of and to dispose or to direct the disposition of securities reported hereby which are beneficially owned by Austin Marx and David Greenhouse by virtue of being Executive Officers of the Investment Advisers.

Item 5. Ownership of Five Percent or Less of a Class: If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

Item 6. Ownership of More than Five Percent on Behalf of Another Person: SSF III, SSPE, and CAY, as owners of the securities in question, have the right to receive any dividends from, or proceeds from the sale of, such securities.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security being Reported on By the Parent Holding Company: See Exhibit A attached hereto.

Item 8. Identification and Classification of Members of the Group: Not applicable

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Item 9. Notices of Dissolution of Group: Not applicable.

Item 10. Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

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: February 11, 2002

SPECIAL SITUATIONS FUND III, L.P.

By:/s/ Austin W. Marxe  
Austin W. Marxe  
Managing Director

MGP ADVISERS LIMITED PARTERSHIP

By:/s/ Austin W. Marxe  
Austin W. Marxe  
President and Chief Executive Officer

SPECIAL SITUATIONS PRIVATE EQUITY FUND, L.P.

Austin W. Marxe  
By:/s/ Austin W. Marxe  
President and Chief Executive Officer

MG ADVISERS, L.L.C.

Austin W. Marxe  
By:/s/ Austin W. Marxe  
President and Chief Executive Officer

SPECIAL SITUATIONS CAYMAN FUND, L.P.

Austin W. Marxe  
By: /s/ Austin W. Marxe  
Managing Director

AWM INVESTMENT COMPANY, INC.

Austin W. Marxe  
By: /s/ Austin W. Marxe  
President and CEO

/s/ Austin W. Marxe  
AUSTIN W. MARXE

/s/David M Greenhouse  
DAVID M. GREENHOUSE

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EXHIBIT A

This Exhibit explains the relationship between the Reporting Persons. MGP Advisers Limited Partnership (MGP), a Delaware limited partnership, is the general partner of the Special Situations Fund III, L.P., a Delaware Limited Partnership. AWM Investment Company, Inc., a Delaware corporation, is the general partner of MGP and the general partner of and investment adviser to the Cayman Fund. MG Advisers, L.L.C. is the general partner of and investment adviser to the Special Situations Private Equity Fund, L.P.. Austin W. Marxe and David M. Greenhouse are the principal owners of MGP, MG, and AWM and are principally responsible for the selection, acquisition and disposition of the portfolios securities by the investment advisers on behalf of their Fund.