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

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No. 1)1

	OncoGenex Pharmaceuticals, Inc. (Name of Issuer)
	Common Stock, par value \$0.01 per share
	(Title of Class of Securities)
	68230A106
	(CUSIP Number)
	December 31, 2015
	(Date of Event Which Requires Filing of this Statement)
Check the app	propriate box to designate the rule pursuant to which this Schedule is filed:
	Rule 13d-1(b)
\boxtimes	Rule 13d-1(c)
	Rule 13d-1(d)
	der of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent containing information which would alter the disclosures provided in a prior cover page.
	he information required in 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 herwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAME OF REPORTING PERSON					
		Biotechnology Value Fund, L.P.				
2	CHECK THE APPROI	PRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵			
			(b) 🗆			
3	SEC USE ONLY					
4	CITIZENSHIP OR PLA	ACE OF ORGANIZATION				
	D 1					
NIII (DED OF GILL DEG	Delaware	GOLE MOTERIC POWER				
NUMBER OF SHARES	5	SOLE VOTING POWER				
BENEFICIALLY OWNED BY EACH		0 shares				
REPORTING PERSON	6	SHARED VOTING POWER				
WITH	0	SHARED VOTING POWER				
WIIII		197,302 (1)				
	7 SOLE DISPOSITIVE POWER 0 shares					
	8	SHARED DISPOSITIVE POWER				
197,302 (1)						
9	AGGREGATE AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	197,302 (1)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	1 10 (0)					
12	Less than 1% (1)					
12	TYPE OF REPORTING PERSON					
	PN					
	FIN					

⁽¹⁾Represents 197,302 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by BVF. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

1	NAME OF REPORTING PERSON					
		Biotechnology Value Fund II, L.P.				
2	CHECK THE APPROP	PRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵			
			(b) 🗆			
3	SEC USE ONLY					
4	CITIZENSHIP OR PLA	ACE OF ORGANIZATION				
	Delaware					
NUMBER OF SHARES	5	SOLE VOTING POWER				
BENEFICIALLY						
OWNED BY EACH		0 shares				
REPORTING PERSON	6	6 SHARED VOTING POWER				
WITH						
	105,473 (1)					
	7 SOLE DISPOSITIVE POWER					
	0 shares					
	8 SHARED DISPOSITIVE POWER					
	105,473 (1)					
9	AGGREGATE AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	105,473 (1)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	Less than 1%*					
12	TYPE OF REPORTING	G PERSON				
	PN					

⁽¹⁾ Represents 105,473 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by BVF 2. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

	-					
1	NAME OF REPORTING PERSON					
	Investment 10, L.L.C.	Investment 10, L.L.C.				
2	CHECK THE APPROPI	RIATE BOX IF A MEMBER OF A GROUP	(a) 🗵			
			(b) 🗆			
3	SEC USE ONLY					
4	CITIZENSHIP OR PLA	CE OF ORGANIZATION				
	Illinois					
NUMBER OF SHARES	5	SOLE VOTING POWER				
BENEFICIALLY						
OWNED BY EACH		0 shares				
REPORTING PERSON	6	SHARED VOTING POWER				
WITH	Ü	SIMILED FORMOTO WENT				
		56,902 (1)				
	7 SOLE DISPOSITIVE POWER					
	, SOLE BIS GOTT LEG TEX					
	0 shares					
	8 SHARED DISPOSITIVE POWER					
	SIMULE DISCOUNTED ON DR					
	56,902 (1)					
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
Í	AGGICLOATE AIMOUT	A BENEFICIALE OWNED DI ENGINEE ONTING LERGON				
	56,902 (1)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
10	CHECK BOAT! THE AGGREGATE AMOUNT IN NOW (7) EACEODES CENTAIN SHAKES					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
11	1 ERCENT OF CLASS REFRESENTED BY AMOUNT IN ROW (9)					
	Less than 1% (1)					
12	TYPE OF REPORTING	DEDSON				
12	TITE OF KEFOKTING	LEASON				
	00					
	UU UU					

⁽¹⁾ Represents 56,902 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by ILL10. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

1	NAME OF REPORTING PERSON					
	MSI BVF SPV, LLC					
2	ŕ	RIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □			
3	SEC USE ONLY		(6) =			
4	CITIZENSHIP OR PLA	CE OF ORGANIZATION				
	Delaware					
NUMBER OF SHARES BENEFICIALLY	5	SOLE VOTING POWER				
OWNED BY EACH		0 shares				
REPORTING PERSON WITH						
	71,358 (1)					
	7	7 SOLE DISPOSITIVE POWER				
	0 shares					
	8 SHARED DISPOSITIVE POWER					
	71,358 (1)					
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	71,358 (1)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	Loss than 10/ (1)					
12	Less than 1% (1) TYPE OF REPORTING PERSON					
12		TITE OF REFORMING LEASON				
	00					

⁽¹⁾ Represents 71,358 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by MSI. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

NAME OF REPORTING PERSON						
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □ 3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □ 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)	1	NAME OF REPORTING PERSON				
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □ 3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □ 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)						
3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 5 SOLE VOTING POWER 6 SHARED VOTING POWER 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)			BVF Partners L.P.			
3 SEC USE ONLY 4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4%(1)	2	CHECK THE APPROPE	RIATE BOX IF A MEMBER OF A GROUP			
4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)				(b) 🗆		
Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	3	SEC USE ONLY				
Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		CAMPIGER VOLUME OF THE A				
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)	4	CITIZENSHIP OR PLAC	CE OF ORGANIZATION			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)		D.1				
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)	MUMDED OF CHARE		COLE VOTING DOWED			
OWNED BY EACH REPORTING PERSON WITH		3	SOLE VOTING POWER			
REPORTING PERSON WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)			O charge			
WITH 431,035 (1) 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)		6				
7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)		V	SIMILED VOTING TOWER			
0 shares 8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)			431,035 (1)			
8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)		, ()				
8 SHARED DISPOSITIVE POWER 431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)						
431,035 (1) 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)						
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)		8 SHARED DISPOSITIVE POWER				
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)						
431,035 (1) 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)						
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □ 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)	9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □ 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)		401.005 (1)				
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.4% (1)	10					
1.4% (1)	10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
1.4% (1)	11	DED CENT OF CLASS DEDDESENTED DV AMOUNT IN DOW (0)				
	11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
		14%(1)				
	12					
1.12 61 1.13 61 1.14 61	12	THE OF REFORMING LEASON				
PN, IA		PN. IA				

⁽¹⁾ Represents 431,035 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by the Reporting Persons. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

1	NAME OF REPORTING PERSON					
		BVF Inc.				
2	CHECK THE APPROP	RIATE BOX IF A MEMBER OF A GROUP	(a) 🗵			
			(b) 🗆			
3	SEC USE ONLY					
4	CITIZENSHIP OR PLA	ICE OF ORGANIZATION				
	D 1					
NUMBER OF SHARES	Delaware 5	SOLE VOTING POWER				
BENEFICIALLY	3	SOLE VOTING POWER				
OWNED BY EACH		0 shares				
REPORTING PERSON	6	SHARED VOTING POWER				
WITH	U	SHARED VOTINGTOWER				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		431,035 (1)				
	7	SOLE DISPOSITIVE POWER				
	, seed also contract on the					
	0 shares					
	8 SHARED DISPOSITIVE POWER					
	431,035 (1)					
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	431,035 (1)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □					
	DED CENT OF CV ACC DEDDECENTED DV A VOLDIT DV DOV (A)					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	1.407 (1)					
12	1.4% (1) TYPE OF REPORTING PERSON					
12	TYPE OF KEPORTING	JEKSUN				
	СО					

⁽¹⁾ Represents 431,035 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by the Reporting Persons. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

					
1	NAME OF REPORTING PERSON				
	MANA AND AND AND AND AND AND AND AND AND				
	Mark N. Lampert				
2	CHECK THE APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵		
			(b) 🗆		
3	SEC USE ONLY				
4	CITIZENSHIP OR PI	LACE OF ORGANIZATION			
	77 10 100				
	United States	ACT TO VICE THE POLICE TO			
NUMBER OF SHARES	5	SOLE VOTING POWER			
BENEFICIALLY					
OWNED BY EACH		0 shares			
REPORTING PERSON	6	SHARED VOTING POWER			
WITH		421.025 (1)			
		431,035 (1)			
	7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER				
	431,035 (1)				
0					
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	431,035 (1)				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
10	CHECK DOA II THE AGGREGATE AMOUNT IN NOW (7) EACLODES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
11	11 TERCEIVE OF CLASS REFRESEIVED BY AMOUNT BY ROW (5)				
	1.4%*				
12	TYPE OF REPORTING PERSON				
12	IN				
	1 1				

⁽¹⁾ Represents 431,035 shares of Common Stock currently issuable upon the exercise of certain Warrants (defined below) held by the Reporting Persons. The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed all Warrants owned by BVF would be fully exercised, and the other Warrants held by BVF 2, ILL10 and MSI would also be fully exercised, as the exercise of the aggregate Warrants held by the Reporting Persons to acquire 431,035 shares of Common Stock would be below the aggregate 4.99% limitation.

Item 1(a). Name of Issuer:

OncoGenex Pharmaceuticals, Inc. a Delaware corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

19820 North Creek Parkway, Bothell, Washington 98011

Item 2(a). Name of Person Filing

Item 2(b). Address of Principal Business Office or, if None, Residence

Item 2(c). Citizenship

Biotechnology Value Fund, L.P. ("BVF") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

Investment 10, L.L.C. ("ILL10") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Illinois

MSI BVF SPV, LLC ("MSI") c/o Magnitude Capital, LLC 200 Park Avenue, 56th Floor New York, NY 10166 Citizenship: Delaware

BVF Partners L.P. ("Partners") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

BVF Inc.

1 Sansome Street, 30th Floor San Francisco, California 94104

Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: United States

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.001 per share (the "Common Stock")

Item 2(e). CUSIP Number:

68230A106

Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

- /x/ Not applicable.
- (a) // Broker or dealer registered under Section 15 of the Exchange Act.
- (b) // Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c) // Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) // Investment company registered under Section 8 of the Investment Company Act.
- (e) // An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
- (f) // An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
- (g) // A parent holding company or control person in accordance with Rule 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.
- (j) // Group, in accordance with Rule 13d-1(b)(1)(ii)(J).
- (k) // Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)
 (J), please specify the type of institution: ____

Item 4. Ownership

(a) Amount beneficially owned:

Effective on December 31, 2015, the Reporting Persons held warrants exercisable for an aggregate of approximately 431,035 shares of Common Stock (the "Warrants"). The Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934 (the "Exchange Act"), more than 4.99% of the number of shares of Common Stock then issued and outstanding. In providing beneficial ownership described herein, the Reporting Persons have assumed the aggregate Warrants owned by each of BVF, BVF2, ILL10 and MSI would be exercised to acquire 431,035 shares of Common Stock which would be below the aggregate 4.99% limitation.

As of the close of business on December 31, 2015, (i) BVF beneficially owned 197,302 shares of Common Stock (ii) BVF2 beneficially owned 105,473 shares of Common Stock (iii) ILL10 beneficially owned 56,902 shares of Common Stock and (iv) MSI beneficially owned 71,358 shares of Common.

Partners, as the general partner of BVF and BVF2, and the investment adviser of each of ILL10 and MSI, may be deemed to beneficially own the 431,035 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, ILL10 and MSI.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 431,035 shares of Common Stock beneficially owned by Partners

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 431,035 shares of Common Stock beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2, ILL10 and MSI, and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on 29,804,273 shares of Common Stock, which is the total number of Shares outstanding as of November 12, 2015 as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on November 12, 2015 and assumes the additional issuance of shares on the exercise of the Warrants.

As of the close of business on December 31, 2015 (i) BVF beneficially owned less than 1% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned less than 1% of the outstanding shares of Common Stock, (iii) ILL10 beneficially owned less than 1% of the outstanding shares of Common Stock, (iv) MSI beneficially owned less than 1% of the outstanding shares of Common Stock, and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 1.4% of the outstanding shares of Common Stock.

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote

See Cover Pages Items 5-9.

(iii) Sole power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

(iv) Shared power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

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 [X].

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable.

Item 7. Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

See Exhibit 99.1 to the Schedule 13G.

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certifications.

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above 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 his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: February 16, 2016

BIOTECHNOLOGY VALUE FUND, L.P.

BVF Partners L.P., its general partner By:

BVF Inc., its general partner By:

/s/ Mark N. Lampert By: Mark N. Lampert

President

BIOTECHNOLOGY VALUE FUND II, L.P.

BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

> Mark N. Lampert President

BVF PARTNERS L.P.

BVF Inc., its general partner

By: /s/ Mark N. Lampert

> Mark N. Lampert President

INVESTMENT 10, L.L.C.

By: BVF Partners L.P., its investment advisor

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert President

MSI BVF SPV, LLC

By: BVF Partners L.P., its investment advisor

By: BVF Inc., its general partner

/s/ Mark N. Lampert

Mark N. Lampert

President

BVF INC.

/s/ Mark N. Lampert

Mark N. Lampert

President

/s/ Mark N. Lampert

MARK N. LAMPERT