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

Schedule 13G (Amendment No. __)

Under the Securities Exchange Act of 1934*

OncoGenex Pharmaceuticals Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

68230A106

(CUSIP Number)

October 22, 2010

(Date of Event which Requires Filing of this Statement)

Check the appropriate 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)

*The remainder 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 amendment containing information which would alter the disclosures provided in a prior cover page.

The 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 ("Act") or otherwise 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).

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

C	CUSIP No. 68230A1	3 13G	Page 2 of 10 Pages		
1. 2. 3.	NAMES OF REPORTING PERSONS Great Point Fartners, LLC I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY): 37-1475292 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (a) (b) (c) SEC USE VERSON				
1 0	CITIZENSHIP OR PL USA MBER OF SHARES BENEFICIALLY WNED BY EACH PORTING PERSON WITH	CE OF ORGANIZATION 5. SOLE VOTING POWER 6. SHARED VOTING POWER 951,903 ¹ 7. SOLE DISPOSITIVE POWER 0 8. SHARED DISPOSITIVE POWER 951,903 ¹			

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

951,903¹

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)

9.54%²

12. TYPE OF REPORTING PERSON (See Instructions)

00

Consists of 156,190 shares owned by Biomedical Value Fund, LP ("BVF"), 152,381 shares owned by Biomedical Offshore Value Fund, Ltd. ("BOVF"), 72,381 shares owned by Biomedical Institutional Value Fund, LP ("BIVF"), 80,952 shares owned by Lyrical Multi-Manager Fund, LP ("Lyrical"), 134,920 shares owned by Class D Series of GEF-PS, LP ("GEF-PS"), 5,398 shares owned by David J. Morrison ("Morrison"), 32,380 shares owned by WS Investments III, LLC ("WS"), and an aggregate of 317,301 shares underlying warrants collectively held by BVF, BOVF, BIVF, Lyrical, GEF-PS, Morrison and WS holds warrants to purchase 78,954 shares, 74,135 shares, 37,387 shares, 40,476 shares, 67,460 shares, 2,699 shares and 16,190 shares, respectively.

² Based on a total of 9,658,591 shares of Common Stock outstanding as reported in the Issuer's Form 10-Q filed on November 4, 2010.

C	CUSIP No. 68230A106	1:	3G	Page 3 of 10 Pages
1.	NAMES OF REPORTING Dr. Jeffrey R. Jay, M.D. I.R.S. IDENTIFICATION N	PERSONS IO. OF ABOVE PERSON (ENTITIES ONLY):		
2.	CHECK THE APPROPRI(a)□(b)□	ATE BOX IF A MEMBER OF A GROUP		
3.	SEC USE ONLY			
4. CITIZENSHIP OR PLACE OF ORGANIZATION USA NUMBER OF SHARES 5. SOLE VOTING POWER 0 DEDUCTION U.V. 6. SHARED VOTING POWER				
BENEFICIALLY OWNED BY EACH 7		 SOLE DISPOSITIVE POWER SHARED DISPOSITIVE POWER 	951,903 ¹ 0 951,903 ¹	
9.	951,903 ¹	BENEFICIALLY OWNED BY EACH REPOR		_
10. 11. 12.		REGATE AMOUNT IN ROW (9) EXCLUDE PRESENTED BY AMOUNT IN ROW (9) PRSON (See Instructions)	S CERTAIN SHARES (See Instructions)	

Cl	JSIP No. 68230A106	1;	Page 4 of 10 Pages		
1.	NAMES OF REPORTING PERSONS Mr. David Kroin I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY):				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) □ (b) □ SEC USE ONLY				
NUMBER OF SHARESBENEFICIALLY6OWNED BY EACH7.		 C OF ORGANIZATION 5. SOLE VOTING POWER 6. SHARED VOTING POWER 7. SOLE DISPOSITIVE POWER 8. SHARED DISPOSITIVE POWER 	0 951,903 ¹ 0 951,903 ¹		
10. 11.	951,903 ¹ 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) 9.54% ²				

Item 1.

(a) Name of Issuer

- OncoGenex Pharmaceuticals Inc.
- (b) Address of Issuer's Principal Executive Offices

1522 217th Place S.E., Bothell, Washington 98021

Item 2.

(a) Name of Person Filing

Great Point Partners, LLC Dr. Jeffrey R. Jay, M.D. Mr. David Kroin

The Reporting Persons have entered into a Joint Filing Agreement, dated February 14, 2011, a copy of which is filed with this Schedule 13G as Exhibit A, pursuant to which the Reporting Persons have agreed to file this statement jointly in accordance with the provisions of Rule 13d-1(k)(1) under the Act.

(b) Address of Principal Business Office, or if none, Residence

The address of the principal business office of each of the Reporting Persons is

165 Mason Street, 3rd Floor Greenwich, CT 06830

(c) Citizenship

Great Point Partners, LLC is a limited liability company organized under the laws of the State of Delaware. Dr. Jeffrey R. Jay, M.D. is a citizen of the United States. Mr. David Kroin is a citizen of the United States.

(d) Title of Class of Securities

Common Stock

(e) CUSIP Number

68230A106

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

Not Applicable.

- (a) D Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780)
- (b) \square Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) \Box Insurance company as defined in Section 3(a)(19) of the Act (15. U.S.C. 78c).
- (d) 🔲 Investment Company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) \Box An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E).

- (f) \square An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F).
- (g) \square A parent holding company or control person in accordance with 240.13d-1(b)(1)(ii)(G).
- (h) 🛛 A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813).
- (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 (15 U.S.C. 80a-3).
- (j) \Box Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Item 4. Ownership

Biomedical Value Fund, L.P. ("BVF") is the record owner of 156,190 shares of Common Stock of the Issuer (the "BVF Shares"). Great Point Partners, LLC ("Great Point") is the investment manager of BVF, and by virtue of such status may be deemed to be the beneficial owner of the BVF Shares. Each of Dr. Jeffrey R. Jay, M.D. ("Dr. Jay"), as senior managing member of Great Point, and Mr. David Kroin ("Mr. Kroin"), as special managing member of Great Point, has voting and investment power with respect to the BVF Shares, and therefore may be deemed to be the beneficial owner of the BVF Shares. In addition, BVF is the record owner of a warrant to purchase 78,954 shares of the Issuer.

Biomedical Offshore Value Fund, Ltd. ("BOVF") is the record owner of 152,381 shares of Common Stock of the Issuer (the "BOVF Shares"). Great Point is the investment manager of BOVF, and by virtue of such status may be deemed to be the beneficial owner of the BOVF Shares. Each of Dr. Jay, as senior managing member of Great Point, and Mr. Kroin, as special managing member of Great Point, has voting and investment power with respect to the BOVF Shares, and therefore may be deemed to be the beneficial owner of the BOVF is the record owner of a warrant to purchase 74,135 shares of the Issuer.

Biomedical Institutional Value Fund, L.P. ("BIVF") is the record owner of 72,381 shares of Common Stock of the Issuer (the "BIVF Shares"). Great Point is the investment manager of BIVF, and by virtue of such status may be deemed to be the beneficial owner of the BIVF Shares. Each of Dr. Jay, as senior managing member of Great Point, and Mr. Kroin, as special managing member of Great Point, has voting and investment power with respect to the BIVF Shares, and therefore may be deemed to be the beneficial owner of the BIVF Shares. In addition, BIVF is the record owner of a warrant to purchase 37,387 shares of the Issuer.

Lyrical Multi-Manager Fund, LP ("Lyrical") is the record owner of 80,952 shares of Common Stock of the Issuer (the "Lyrical Shares"). Great Point is the investment manager of Lyrical, and by virtue of such status may be deemed to be the beneficial owner of the Lyrical Shares. Each of Dr. Jay, as senior managing member of Great Point, and Mr. Kroin, as special managing member of Great Point, has voting and investment power with respect to the Lyrical Shares, and therefore may be deemed to be the beneficial owner of the Lyrical Shares 40,476 shares of the Issuer.

Class D Series of GEF-PS, LP ("GEF-PS") is the record owner of 134,920 shares of Common Stock of the Issuer (the "GEF-PS Shares"). Great Point is the investment manager of GEF-PS, and by virtue of such status may be deemed to be the beneficial owner of the GEF-PS Shares. Each of Dr. Jay, as senior managing member of Great Point, and Mr. Kroin, as special managing member of Great Point, has voting and investment power with respect to the GEF-PS Shares, and therefore may be deemed to be the beneficial owner of the GEF-PS is the record owner of a warrant to purchase 67,460shares of the Issuer.

David J. Morrison ("Morrison") is the record owner of 5,398 shares of Common Stock of the Issuer (the "Morrison Shares"). Great Point is the investment manager with respect to the Morrison Shares, and by virtue of such status may be deemed to be the beneficial owner of the Morrison Shares. Each of Dr. Jay, as senior managing member of Great Point, and Mr. Kroin, as special managing member of Great Point, has voting and investment power with respect to the Morrison Shares, and therefore may be deemed to be the beneficial owner of the Morrison Shares of a warrant to purchase 2,699 shares of the Issuer.

WS Investments III, LLC ("WS") is the record owner of 32,380 shares of Common Stock of the Issuer (the "WS Shares"). Great Point is the investment manager with respect to the WS Shares, and by virtue of such status may be deemed to be the beneficial owner of the WS Shares. Each of Dr. Jay, as senior managing member of Great Point, and Mr. Kroin, as special managing member of Great Point, has voting and investment power with respect to the WS Shares, and therefore may be deemed to be the beneficial owner of a warrant to purchase 16,190 shares of the Issuer.

Notwithstanding the above, Great Point, Dr. Jay and Mr. Kroin disclaim beneficial ownership of the BVF Shares, the BOVF Shares, the BIVF Shares, the Lyrical Shares, the GEF-PS Shares, the Morrison Shares, the WS Shares and the shares underlying the warrants described above, except to the extent of their respective pecuniary interests.

1. Great Point Partners, LLC

- (a) Amount beneficially owned: 951,903³
- (b) Percent of class: 9.54%⁴
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote: 0.
 - (ii) Shared power to vote or to direct the vote: $951,903^3$
 - (iii) Sole power to dispose or to direct the disposition of: 0.
 - (iv) Shared power to dispose or to direct the disposition of: 951,903³
- 2. Dr. Jeffrey R. Jay, M.D.
- (a) Amount beneficially owned: $951,903^3$
- (b) Percent of class: 9.54%⁴
- Consists of 156,190 shares owned by Biomedical Value Fund, LP ("BVF"), 152,381 shares owned by Biomedical Offshore Value Fund, Ltd. ("BOVF"), 72,381 shares owned by Biomedical Institutional Value Fund, LP ("BIVF"), 80,952 shares owned by Lyrical Multi-Manager Fund, LP ("Lyrical"), 134,920 shares owned by Class D Series of GEF-PS, LP ("GEF-PS"), 5,398 shares owned by David J. Morrison ("Morrison"), 32,380 shares owned by WS Investments II, LLC ("WS"), and an aggregate of 317,301 shares underlying warrants collectively held by BVF, BOVF, BIVF, Lyrical, GEF-PS, Morrison and WS. Each of BVF, BOVF, BIVF, Lyrical, GEF-PS, Morrison and WS holds warrants to purchase 78,954 shares, 74,135 shares, 37,387 shares, 40,476 shares, 26,99 shares and 16,190 shares, respectively.

4 Based on a total of 9,658,591 shares of Common Stock outstanding as reported in the Issuer's Form 10-Q filed on November 4, 2010.

	(c)	Numl	umber of shares as to which the person has:		
		(i)	Sole power to vote or to direct the vote: 0.		
		(ii)	Shared power to vote or to direct the vote: 951,903 ³		
		(iii)	Sole power to dispose or to direct the disposition of: 0.		
		(iv)	Shared power to dispose or to direct the disposition of: 951,903 ³		
	3.	Mr. I	Ar. David Kroin		
	(a)	Amount beneficially owned: 951,903 ³			
	(b)	Percent of class: 9.54% ⁴			
	(c)	Numl	per of shares as to which the person has:		
		(i)	Sole power to vote or to direct the vote: 0.		
		(ii)	Shared power to vote or to direct the vote: 951,903 ³		
		(iii)	Sole power to dispose or to direct the disposition of: 0.		
		(iv)	Shared power to dispose or to direct the disposition of: 951,903 ³		
Item 5.	Own	ership	of Five Percent or Less of a Class		
	Not A	Applical	ble.		
Item 6.	Ownership of More than Five Percent on Behalf of Another Person:				
	See Item 4.				
Item 7.	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company				
	Not A	Applical	ble.		
Item 8.	Identification and Classification of Members of the Group				
	Not A	Applical	ble.		
Item 9.	Notice of Dissolution of Group				
	Not A	Applical	ble.		
Item 10.	Cert	ificatio	n		
By signing	below I	certify	that to the best of my knowledge and belief the securities referred to above were not acquired and are not held for the nurpose of or with		

By signing below I certify that, to the best of my 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 participant in any transaction having that purpose or effect.

13G

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.

Date: February 14, 2011

GREAT POINT PARTNERS, LLC

By: /s/ Dr. Jeffrey R. Jay, M.D.

Dr. Jeffrey R. Jay, M.D., as senior managing member

/s/ Dr. Jeffrey R. Jay, M.D.

DR. JEFFREY R. JAY, M.D.

/s/ Mr. David Kroin

Mr. David Kroin

AGREEMENT REGARDING THE JOINT FILING OF SCHEDULE 13G

The undersigned hereby agree as follows:

(i) Each of them is individually eligible to use the Schedule 13G to which this Exhibit is attached, and such Schedule 13G is filed on behalf of each of them; and

(ii) Each of them is responsible for the timely filing of such Schedule 13G and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.

Date: February 14, 2011

GREAT POINT PARTNERS, LLC

By: /s/ Dr. Jeffrey R. Jay, M.D.

Dr. Jeffrey R. Jay, M.D., as senior managing member

/s/ Dr. Jeffrey R. Jay, M.D.

DR. JEFFREY R. JAY, M.D.

/s/ Mr. David Kroin

Mr. David Kroin