NeuroMetrix, Inc. Form SC 13G March 31, 2008

> SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 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.)*

Neurometrix, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

641255104

(CUSIP Number)

March 26, 2008

(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)
|X| Rule 13d-1(c)
|_| Rule 13d-1(d)

(Page 1 of 11 Pages)

* 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 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).

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CUSIP No. 641255104

1. NAME OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

	Deerfiel	d Capital, L.P.		
2.	СНЕСК ТН	E APPROPRIATE BOX IF A MEMBER OF A GROUP*		_ X
3.	SEC USE	ONLY		
4.	CITIZENS	HIP OR PLACE OF ORGANIZATION		
	Delaware			
		5. SOLE VOTING POWER		
		0		
		6. SHARED VOTING POWER		
BENE		384,420		
E	ED BY ACH	7. SOLE DISPOSITIVE POWER		
PE	ORTING RSON	0		
W	ITH	8. SHARED DISPOSITIVE POWER		
		384,420		
9.	AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	384,420			
10.	СНЕСК ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN S	HARES*	_
11.	PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	2.80%			
12.		REPORTING PERSON*		
	PN			
		13G P	age 3 o:	E 11
CUSIP	No. 6412	55104		
1.		REPORTING PERSONS DENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)		
	Deerfiel	d Special Situations Fund, L.P.		
2.	CHECK TH	E APPROPRIATE BOX IF A MEMBER OF A GROUP*		_ X

3.	SEC USE	ONLY			
4.	CITIZENS	HIP OR PLACE OF ORGANIZATION			
	Delaware				
		5. SOLE VOTING POWER			
		0			
SHARES BENEFICIALLY		6. SHARED VOTING POWER			
		384,420			
E	ED BY ACH	7. SOLE DISPOSITIVE POWER		 	
PE	ORTING RSON	0			
W	ITH	8. SHARED DISPOSITIVE POWER			
		384,420			
9.	AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	384,420				
10.	CHECK BO	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES*	_	
11.	PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	2.80%				
12.	TYPE OF	REPORTING PERSON*			
	PN				
		13G	Page 4 o	f 11	
CUSIP	No. 6412	55104			
1.		REPORTING PERSONS DENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)			
	Deerfiel	d Management Company, L.P.			
2.	СНЕСК ТН	E APPROPRIATE BOX IF A MEMBER OF A GROUP*		_ X	
3.	SEC USE	ONLY			
 4.	CITIZENS	HIP OR PLACE OF ORGANIZATION			

	New York				
		5. SOLE VOTING POWER			
		0			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING		6. SHARED VOTING POWER			
		707,683			
		7. SOLE DISPOSITIVE POWER			
PERSON WITH	RSON	0			
VV .	LIN	8. SHARED DISPOSITIVE POWER			
		707,683			
9.	AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	707,683				
10.	CHECK BO	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES	3*	_
11.	PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	5.17%				
12.	TYPE OF	REPORTING PERSON*			
	PN				
		13G	Page S	5 of	11
CUSIP	No. 6412	55104	2		
1.		REPORTING PERSONS DENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)			·
	Deerfiel	d Special Situations Fund International Limited			
2.	СНЕСК ТН	E APPROPRIATE BOX IF A MEMBER OF A GROUP*		(a) (b)	
3.	SEC USE	 DNLY			
4.		HIP OR PLACE OF ORGANIZATION			
	British	Virgin Islands			
		5. SOLE VOTING POWER			
		0			

NUMBER OF 6. SHARED VOTING POWER SHARES 707**,**683 BENEFICIALLY OWNED BY _____ EACH 7. SOLE DISPOSITIVE POWER REPORTING PERSON 0 _____ WITH 8. SHARED DISPOSITIVE POWER 707,683 _____ AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9. 707**,**683 _____ 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* |_| 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.17% _____ 12. TYPE OF REPORTING PERSON* CO _____ 13G Page 6 of 11 CUSIP No. 641255104 _____ NAME OF REPORTING PERSONS 1. I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) James E. Flynn _____ _____ CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2. (a) |_| (b) |X| _____ _____ 3. SEC USE ONLY _____ CITIZENSHIP OR PLACE OF ORGANIZATION 4. United States _____ _____ 5. SOLE VOTING POWER 0 _____ NUMBER OF 6. SHARED VOTING POWER SHARES BENEFICIALLY 1,092,103 _____ OWNED BY EACH 7. SOLE DISPOSITIVE POWER REPORTING

1,092,103 _____ 9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,092,103 _____ 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* | | _____ 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.98% _____ 12. TYPE OF REPORTING PERSON* IN _____ Page 7 of 11 CUSIP No. 641255104 _____ Item 1(a). Name of Issuer: Neurometrix, Inc. _____ Item 1(b). Address of Issuer's Principal Executive Offices: 62 Fourth Avenue Waltham, MA 02451 _____ Item 2(a). Name of Person Filing: James E. Flynn, Deerfield Capital, L.P., Deerfield Special Situations Fund, L.P., Deerfield Management Company, L.P., Deerfield Special Situations Fund International Limited _____ Item 2(b). Address of Principal Business Office, or if None, Residence: James E. Flynn, Deerfield Capital, L.P., Deerfield Special Situations Fund, L.P., Deerfield Management Company, L.P., 780 Third Avenue, 37th Floor, New York, NY 10017, Deerfield Special Situations Fund International Limited, c/o Bisys Management, Bison Court, Columbus Centre, P.O. Box 3460, Road Town, Tortola, British Virgin Islands _____ Item 2(c). Citizenship: Mr. Flynn - United States citizen Deerfield Capital, L.P. and Deerfield Special Situations Fund, L.P. - Delaware limited partnerships, Deerfield Management Company, L.P. - New York limited partnership, Deerfield Special Situations Fund International Limited- British Virgin Islands corporation

Item 2(d).	Title of Class of Securities:
	Common Stock
Item 2(e).	CUSIP Number:
	641255104
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:
(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)	<pre>[_] Insurance company as defined in Section 3(a)(19) of the Exchange Act.</pre>
(d)	<pre>[_] Investment company registered under Section 8 of the Investment Company Act.</pre>
(e)	<pre>[_] An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);</pre>
(f)	<pre>[_] An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);</pre>
(g)	<pre>[_] A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);</pre>
(h)	<pre>[_] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;</pre>
(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).
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Item 4. Own	ership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

Deerfield Capital, L.P. - 384,420 shares Deerfield Special Situations Fund, L.P. - 384,420 shares Deerfield Management Company, L.P. - 707,683 shares Deerfield Special Situations Fund International Limited - 707,683 shares James E. Flynn - 1,092,103 shares

(b) Percent of class:

Deerfield Capital, L.P. - 2.80% Deerfield Partners, L.P. - 2.80%

Numbe	r of shares as to which such person has:	
(i)	Sole power to vote or to direct the vote	0
(ii)	Shared power to vote or to direct the vote	Deerfield Capita L.P 384,420 Deerfield Specia Situations Fund, L.P 384,420 Deerfield Management Company, L.P 707,683 Deerfield Specia Situations Fund International Limited - 707,68 James E. Flynn - 1,092,103
(iii)	Sole power to dispose or to direct the disposition of	0
		Page 9 of
(iv)	Shared power to dispose or to direct the disposition of	Deerfield Capita L.P 384,420 Deerfield Specia Situations Fund, L.P 384,420 Deerfield Management Company, L.P 707,683 Deerfield Specia Situations Fund International Limited - 707,68 James E. Flynn - 1,092,103

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.

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this

item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

N/A

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

If a parent holding company or Control person has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

N/A

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

If a group has filed this schedule pursuant to ss.240.13d-1(b)(1)(ii)(J), so indicate under Item 3(j) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to ss.240.13d-1(c) or ss.240.13d-1(d), attach an exhibit stating the identity of each member of the group.

See Exhibit B

Item 9. Notice of Dissolution of Group.

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

N/A

Item 10. Certifications.

"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 a participant in any transaction having such purpose or effect."

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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.

DEERFIELD CAPITAL, L.P. By: J.E. Flynn Capital LLC, General Partner By: /s/ Darren Levine _____ Darren Levine, Authorized Signatory DEERFIELD SPECIAL SITUATIONS FUND, L.P. By: Deerfield Capital, L.P. By: J.E. Flynn Capital LLC, General Partner By: /s/ Darren Levine _____ Darren Levine, Authorized Signatory DEERFIELD MANAGEMENT COMPANY, L.P. By: Flynn Management LLC General Partner By: /s/ Darren Levine _____ Darren Levine, Authorized Signatory DEERFIELD SPECIAL SITUATIONS FUND INTERNATIONAL LIMITED By: Deerfield Management Company By: Flynn Management LLC, General Partner By: /s/ Darren Levine _____ Darren Levine, Authorized Signatory JAMES E. FLYNN /s/ /s/ Darren Levine _____ Darren Levine, Attorney-In-Fact Date: March 31, 2008

Exhibit List

Exhibit A. Joint Filing Agreement.

Exhibit B. Item 8 Statement.

Exhibit C. (1) Power of Attorney

(1) Previously field as Exhibit 24 to a Form 4 with regard to PAR Pharmaceutical Companies, Inc. field with the Commission of February 1, 2007 Deerfield Capital L.P.; Deerfield Partners, L.P.; Deerfield Management Company, L.P.; Deerfield International Limited; Deerfield Special Situations Fund, L.P.; Deerfield Special Situations Fund International Limited; and James E Flynn.

Exhibit A

Agreement

The undersigned agree that this Schedule 13G, and all amendments thereto, relating to the Common Stock of Neurometrix, Inc. shall be filed on behalf of the undersigned.

DEERFIELD CAPITAL, L.P.

- By: J.E. Flynn Capital LLC, General Partner
- By: /s/ Darren Levine Darren Levine, Authorized Signatory

DEERFIELD SPECIAL SITUATIONS FUND, L.P.

- By: Deerfield Capital, L.P.
- By: J.E. Flynn Capital LLC, General Partner
- By: /s/ Darren Levine Darren Levine, Authorized Signatory

DEERFIELD MANAGEMENT COMPANY, L.P.

- By: Flynn Management LLC General Partner
- By: /s/ Darren Levine Darren Levine, Authorized Signatory

DEERFIELD SPECIAL SITUATIONS FUND INTERNATIONAL LIMITED

- By: Deerfield Management Company
- By: Flynn Management LLC, General Partner
- By: /s/ Darren Levine Darren Levine, Authorized Signatory

JAMES E. FLYNN

/s/ Darren Levine

Darren Levine, Attorney-In-Fact

Exhibit B

Due to the relationships between them, the reporting persons hereunder may be deemed to constitute a "group" with one another for purposes of Section 13(d) (3) of the Securities Exchange Act of 1934.