UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 SCHEDULE 13G/A UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO.4)*

CYTORI THERAPEUTICS, INC. (Name of Issuer)

COMMON STOCK (Title of Class of Securities)

> 23283K105 (CUSIP Number)

DECEMBER 31, 2007 (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)

*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 ARE TO 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.

SEC 1745 (12-02)

CUSIP No.	23283K105		13G/A	Page 2 of 6 Pages
1.	NAMES OF REPORT I.R.S. IDENTIFI NEIL GAGNON	ING PERSONS CATION NO. OF ABOVE PERSONS (EN	ITITIES ONLY)	
2.	CHECK THE APPRO	PRIATE BOX IF A GROUP*		(a) (b) X
3.	SEC USE ONLY			
4.	CITIZENSHIP OR UNITED STATES O	PLACE OF ORGANIZATION F AMERICA		
NUMBE SHA		SOLE VOTING POWER		1,365,628

BENEFICIALLY OWNED BY		SHARED VOTING POWER	491, 317
EACH REPORTING	7.	SOLE DISPOSITIVE POWER	1,296,415
PERSON WITH:	8.	SHARED DISPOSTIVE POWER	1,627,496
9. AGGREGATI	E AMOUN	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	2,924,946
10. CHECK BO	X IF TH	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)	
11. PERCENT	OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	12.17%
12. TYPE OF	REPORT	ING PERSON (SEE INSTRUCTIONS)	IN

CUSIP No. 23283K105 13G/A Page 3 of 6 Pages -----ITEM 1. (a) Name of Issuer: CYTORI THERAPEUTICS, INC. 3020 CALLAN ROAD (b) Address of Issuer's Principal Executive Offices: SAN DIEGO, CA 92121 ITEM 2. (a) Name of Person Filing: NEIL GAGNON Address of Principal Business Office or, if none, Residence: (b) 1370 AVE. OF THE AMERICAS, SUITE 2400 NEW YORK, NY 10019 (c) Citizenship: US Title of Class of Securities: COMMON STOCK, PAR VALUE \$0.001 PER (d) SHARE CUSIP Number: 23283K105 (e) ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO SS.SS.240.13D-1(B) OR 240.13D-2(B) OR (C), CHECK WHETHER THE PERSON FILING IS A: (a) [] Broker or dealer registered under section 15 of the Act (15 U.S.C. 780). Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c). (b) [] (c) [] (d) [] Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c). Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8). (e) [] An investment adviser in accordance with ss.240.13d-1(b)(1)(ii)(E); (f) [] An employee benefit plan or endowment fund in accordance with ss.240.13d-1(b)(1)(ii)(F);
(g) [] A parent holding company or control person in accordance with ss. 240.13d-1(b)(1)(ii)(G);
(h) [] A savings associations as defined in Section 3(b) of the Federal Deposit Insurance

(i) [] 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) [] Group, in accordance with ss.240.13d-1(b)(1)(ii)(J).

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ITEM 4.	OWNERSHIP.			

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1. As of December 31, 2007, Neil Gagnon beneficially owned 2,924,946 shares of Common Stock of Cytori Therapeutics, Inc., which amount includes (i) 530,033 shares beneficially owned by Mr. Gagnon over which he has sole voting power and sole dispositive power; (ii) 62,791 shares beneficially owned by Mr. Gagnon over which he has sole voting power and shared dispositive power; (iii) 286,561 shares beneficially owned by Lois Gagnon, Mr. Gagnon's wife, over which he has shared voting power and shared dispositive power; (iv) 5,995 shares beneficially owed by Mr. Gagnon and Mrs. Gagnon as Joint Tenants with Rights of Survivorship, over which he has shared voting power and shared dispositive power; (v) 91,946 shares held by the Lois E. and Neil E. Gagnon Foundation (the "Foundation"), of which Mr. Gagnon is a trustee and over which he has shared voting power and shared dispositive power; (vi) 106,815 shares held by the Gagnon Family Limited Partnership (the "Partnership") of which Mr. Gagnon is a partner and over which he has shared voting power and shared dispositive power; (vii) 96,701 shares held by the Gagnon Grandchildren Trust (the "Trust") over which Mr. Gagnon has shared dispositive power but no voting power; (viii) 763,252 shares held by four hedge funds (collectively, the "Funds"), of which Mr. Gagnon is either the principal executive officer of the manager or the managing member of a member of the general partner or the managing member and over which he has sole dispositive power and sole voting power; (ix) 3,130 shares held by the Gagnon Securities LLC Profit Sharing Plan and Trust (the "Plan") of which Mr. Gagnon is a Trustee and over which Mr. Gagnon has sole voting power and sole dispositive power; (x) 7,457 shares held by the Plan over which Mr. Gagnon has sole voting power and shared dispositive power; and (xi) 970,265 shares held for certain customers of Gagnon Securities LLC, of which Mr. Gagnon is the managing member and the principal owner and over which he has shared dispositive but no voting power.

12.17% beneficially owned by Mr. Gagnon. Calculation of percentage of beneficial ownership is based on 24,039,259 shares of Issuer's Common Stock outstanding as of October 31, 2007, as reported by the Issuer on its Form 10-Q for the period ended September 30, 2007.

(a) Amount beneficially owned:

(b) Percent of class:

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	er of shares as to which the per (i) Sole power to vote or to dir		
	(ii) Sharad power to yets or to	direct the voter	1,365,628
	(ii) Shared power to vote or to	urrect the vole.	491,317
(1	iii) Sole power to dispose or to of:		1,296,415
	(iv) Shared power to dispos of:	se or to direct the dispos	sition 1,627,496

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ITEM 5-9 Not Applicable

Filing of this statement by Mr. Gagnon shall not bee deemed an admission that he beneficially owns the securities reported herein as held in customer accounts at Gagnon Securities LLC or by the Foundation, the Partnership, the Trust, the Funds or the Plan. Mr. Gagnon expressly disclaims beneficial ownership of all securities held in such customer accounts or by the Foundation, the Partnership, the Trust, the Funds or Plan. No single client's interest as reported in the customer accounts at Gagnon Securities LLC exceeds 5% of the outstanding Common Stock of the Issuer.

ITEM 10. CERTIFICATION

The following certification shall be included if the statement is filed pursuant to ss.240.13d-1(b):

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. [X]

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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.

February 11, 2008

- -----Date

/s/ Neil Gagnon

-----Signature

Neil Gagnon Name/Title

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. SEE ss.240.13d-7 for other parties for whom copies are to be sent.

INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACT CONSTITUTE FEDERAL CRIMINAL VIOLATIONS (SEE 18 U.S.C. 1001) ATTENTION: