# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## FORM S-3 REGISTRATION STATEMENT

UNDER
THE SECURITIES ACT OF 1933

# CYTORI THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 33-0827593 (I.R.S. Employer Identification Number)

3020 Callan Road San Diego, California 92121 (858) 458-0900

(Address, including zip code, and telephone number, including area code of registrant's principal executive offices)

Christopher J. Calhoun Chief Executive Officer Cytori Therapeutics, Inc. 3020 Callan Road San Diego, California 92121 (858) 458-0900

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copy to:

Jeffrey T. Baglio, Esq. DLA Piper LLP (US) 4365 Executive Drive, Suite 1100 San Diego, CA 92121-2133 Telephone: (858) 677-1400

Facsimile: (858) 677-1477

**Approximate date of commencement of proposed sale to the public:** From time to time after the effective date of this Registration Statement as determined by the selling stockholder named in the prospectus contained herein.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.  $\Box$ 

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.  $\Box$ 

addi	-	st-effective amendment to a registration state rities pursuant to Rule 413(b) under the Secu	-		D. filed to register add	litional securities or	
	Indicate by check r	nark whether the registrant is a large accelerate accelerated filer," "accelerated filer" and	ated filer, an accelerate	ed filer, a non-accelerat			
Larg	e accelerated filer				Accelerated filer		
Non	-accelerated filer	$\square$ (Do not check if a smaller reporting co	ompany)		Smaller Reportir	ng Company 🗆	
		CALCULATI	ON OF REGISTRAT	 ΓΙΟΝ FEE			
		Title of Securities to be Registered	Amount To Be Registered(1)	Proposed Maximum Offering Price Per Share(2)	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee(2)	
Common Stock, par value \$0.001 per share		8,000,000	\$2.45	\$19,600,000	\$2,525		
Tota	<u> </u>		1				
(1)	or other similar transtock of the registra Estimated solely fo	r the purpose of determining the registration based upon the average of the high and low p	deration which results fee pursuant to Rule 4	in an increase in the nuse $57(c)$ of the rules and r	umber of the outstandi regulations under the S	ing shares of common	
Sect	strant shall file a fur ion 8(a) of the Secur	reby amends this Registration Statement or ther amendment that specifically states the cities Act of 1933, as amended, or until this acting pursuant to Section 8(a), may deter	nat this Registration S s Registration Statem	Statement shall therea	ıfter become effective	e in accordance with	

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

Subject to completion, dated November 19, 2013

**PROSPECTUS** 



# CYTORI THERAPEUTICS, INC.

## 8,000,000 Shares

## **Common Stock**

This prospectus relates to an aggregate of up to 8,000,000 shares of our common stock, par value \$0.001 per share, which may be offered for sale from time to time by the selling stockholder named in the "Selling Stockholder" section of this prospectus. We will not receive any of the proceeds from any sale of our common stock by the selling stockholder.

The selling stockholder may offer shares of our common stock from time to time in a number of different ways and at varying prices. For more information on possible methods of offer and sale by the selling stockholder, refer to the section of this prospectus entitled "Plan of Distribution." If any underwriters, dealers or agents are involved in the sale of any of the shares of common stock, their names, and any applicable purchase price, fee, commission or discount arrangement between or among them will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. We have agreed to bear all of the expenses incurred in connection with the registration of these shares. The selling stockholder will pay or assume brokerage commissions and similar charges incurred for the sale of shares of our common stock.

The information in this prospectus is accurate as of the date on the front cover. Information incorporated by reference into this prospectus is accurate as of the date of the document from which the information is incorporated. You should not assume that information contained in or incorporated by reference into this prospectus is accurate as of any other date.

Our common stock is listed on the NASDAQ Global Market under the symbol "CYTX." On November 18, 2013, the closing price of our common stock was \$2.36 per share.

Investing in our securities involves risks. See "<u>Risk Factors</u>" on page 5 and contained in any applicable prospectus supplement and any related free writing prospectus and under similar sections in the other documents that are incorporated by reference into this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is

, 2013

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## ABOUT THIS PROSPECTUS

This prospectus is a part of a registration statement that we filed with the Securities and Exchange Commission (the "SEC") utilizing a "shelf" registration process. This prospectus relates to the possible resale by the selling stockholder of an aggregate of up to 8,000,000 shares of our common stock from time to time in one or more offerings. The selling stockholder is Mr. Kian Thiam Lim.

The selling stockholder may offer and sell, from time to time, an aggregate of up to 8,000,000 shares of our common stock under the prospectus. In some cases, the selling stockholder will also be required to provide a prospectus supplement containing specific information about the selling stockholder and the terms on which they are offering and selling our common stock. We may also add, update or change in a prospectus supplement any information contained in this prospectus. To the extent that any statement made in a prospectus supplement is inconsistent with statements made in this prospectus, the statements made in this prospectus will be deemed modified or superseded by those made in the prospectus supplement. You should read this prospectus and any accompanying prospectus supplement, as well as any post-effective amendments to the registration statement of which this prospectus is a part, together with the additional information described under "Where You Can Find More Information" before you make any investment decision.

Neither we nor the selling stockholder have authorized any dealer, salesman or other person to give any information or to make any representation other than those contained or incorporated by reference in this prospectus and any accompanying prospectus supplement. You must not rely upon any information or representation not contained or incorporated by reference in this prospectus or any accompanying prospectus supplement. This prospectus and any accompanying prospectus supplement to buy any securities other than the registered securities to which they relate, nor do this prospectus and any accompanying prospectus supplement constitute an offer to sell or the solicitation of an offer to buy securities in any jurisdiction to any person to whom it is unlawful to make such offer or solicitation in such jurisdiction. You should not assume that the information contained in this prospectus and any accompanying prospectus supplement is accurate on any date subsequent to the date set forth on the front of the document or that any information incorporated by reference is correct on any date subsequent to the document incorporated by reference, even though this prospectus and any accompanying prospectus supplement is delivered or securities are sold on a later date.

Unless otherwise stated, all references in this prospectus to "we," "us," "our," "Cytori," the "Company" and similar designations refer to Cytori Therapeutics, Inc. and its subsidiaries on a consolidated basis.

#### **SUMMARY**

This summary highlights selected information from, or incorporated by reference into, this prospectus and does not contain all of the information that you need to consider in making your investment decision. You should carefully read the entire prospectus, including "Risk Factors" beginning on page 5, the information incorporated herein by reference, including our financial statements, and the exhibits to the registration statement of which this prospectus is a part.

#### **Our Company**

We are a cell therapy company dedicated primarily to the development of novel treatments for cardiovascular disease and soft tissue injuries and burns. We have a global product development strategy with a focus on the U.S. cardiovascular disease market. In the U.S. our goal is to bring the Cytori Cell Therapy to market for treatment of heart failure due to ischemic heart disease through Cytori-sponsored clinical development efforts and to develop a treatment for thermal burns combined with radiation injury under a contract from BARDA, a division of the U.S. Department of Health and Human Services.

The Cytori Cell Therapy is a proprietary formulation of stem and regenerative cells derived from a patient's own adipose (fat) tissue (ADRCs). Adipose tissue is a rich and accessible source of ADRCs. To access these cells from a patient at the time of a surgical procedure, we have designed and developed a sophisticated tissue processing system, the Celution® System, which automates the complex process of digesting fat tissue, releasing the ADRCs, and concentrating them into an optimized and proprietary formulation in a sterile environment. The system is comprised of a central device and requires single-use, per-procedure consumable cartridges. The business model is based on the sale of the central device and generating recurring revenue from the cartridges that are utilized in each procedure.

While we continue focused development of the cardiovascular disease market, we have continued efforts to develop new therapeutic applications for Cytori's Cell Therapy. We are currently commercializing the Celution® System under select medical device clearances in Europe, Japan, and other regions. The early sales of systems, consumables and ancillary products contributes margins that partially offset our operating expenses and play an important strategic role in fostering familiarity within the medical community with our technology. These sales have also facilitated the discovery of new applications for Cytori's Cell Therapy by customers conducting investigator-initiated and funded research.

## **Development Pipeline**

The primary therapeutic areas currently within our development pipeline are cardiovascular disease, specifically heart failure due to ischemic heart disease, and the treatment of thermal burns.

In the U.S., we are conducting our ATHENA trial, a prospective, double blind, placebo-controlled, multi-center trial in up to 45 patients with ischemic heart disease. The trial will measure several endpoints, including peak oxygen consumption (VO2 max). Additional endpoints include perfusion defect, left ventricle end-systolic and diastolic volume and ejection fraction at six and 12 months, NYHA functional class and health-related quality of life. In the third quarter, the FDA approved expanding the ATHENA trial from six trial centers to a total of eight centers. In addition, we also received approval from the FDA to expand the ATHENA program to include a higher cell dose. This trial, ATHENA II, will enroll 45 patients at up to 10 centers, including most of the centers in ATHENA I and will begin enrolling in the first quarter of 2014.

ADVANCE is our European clinical trial for acute myocardial infarction (heart attack). As part of a comprehensive evaluation of our global cardiovascular strategy, resource utilization and development priorities, we have discontinued enrollment in the ADVANCE trial as of September 30, 2013. All evidence to date supports the current, known safety profile for Cytori's Cell Therapy and the patients enrolled in the trial will continue to

be followed according to the protocol. The outcomes will be fully analyzed in conjunction with the existing safety and feasibility data from the APOLLO acute myocardial infarction trial. We will focus our internal and financial resources on the highest clinical development priority, which is the expanded U.S. ATHENA trial.

We have completed two European pilot trials investigating Cytori's Cell Therapy for cardiovascular disease. We have reported long term, 18-month data from the PRECISE trial for chronic myocardial ischemia, which showed that Cytori's Cell Therapy demonstrated safety and sustained improvement in cardiac functional capacity as measured by  $VO_2$  max. Results from the APOLLO trial for acute heart attack demonstrated safety and sustained improvement in infarct size.

In addition to our cardiovascular disease therapeutic pipeline, Cytori is also developing its cell therapy platform for the treatment of thermal burns combined with radiation injury. In the third quarter of 2012, we were awarded a contract to develop a new countermeasure for thermal burns valued at up to \$106 million with the U.S. Department of Health and Human Service's Biomedical Advanced Research and Development Authority (BARDA). The initial base period includes \$4.7 million over two years and covers preclinical research and continued development of Cytori's Celution® System to improve cell processing. The additional contract options, if fully executed, could cover our clinical development through FDA approval under a device-based PMA regulatory pathway. We are making progress in fulfilling the required milestones of the base contract with the goal of completing the base period in early 2014.

## **Corporate Information**

We were initially formed as a California general partnership in July 1996, and incorporated in the State of Delaware in May 1997. We were formerly known as MacroPore Biosurgery, Inc., and before that as MacroPore, Inc. Our corporate offices are located at 3020 Callan Road, San Diego, CA 92121. Our telephone number is (858) 458-0900. We maintain an Internet website at www.cytori.com. Through this site, we make available free of charge our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act") as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. In addition, we publish on our website all reports filed under Section 16(a) of the Exchange Act by our directors, officers and 10% stockholders. These materials are accessible via the Investor Relations section of our website, www.cytori.com, within the "SEC Filings" link. Some of the information is stored directly on our website, while other information can be accessed by selecting the provided link to the section on the SEC website, which contains filings for our company and its insiders.

The Offering			
Securities that may be Offered by the Selling Stockholder	Up to an aggregate of 8,000,000 shares of our common stock. See "Selling Stockholder" beginning on page 5 of this prospectus.		
Use of Proceeds	All proceeds from the sale of shares of common stock under this prospectus will be for the account of the selling stockholder. We will not receive any proceeds from the sale of our common stock offered pursuant to this prospectus. See "Use of Proceeds" beginning on page 5 of this prospectus.		
NASDAQ Global Market Symbol	CYTX		
Risk Factors	See "Risk Factors" beginning on page 5.		

On October 29, 2013, we entered into a License/Supply Agreement (the "License Agreement") with Lorem Vascular, Pty. Ltd. ("Lorem Vascular") whereby we exclusively licensed Lorem Vascular all rights to market and sell Cytori Products (as defined in the License Agreement) for all markets within the countries of China, Hong Kong, Australia, Malaysia and Singapore, excluding only the Cosmetic Market (as defined in the License Agreement) and the rights for Alopecia (hair loss). In connection with the License Agreement, Lorem Vascular agreed to purchase 8,000,000 shares (the "Shares") of our common stock at a price of \$3.00 per share for a total of \$24,000,000, pursuant to a Stock Purchase Agreement (the "Purchase Agreement"), dated October 29, 2013 (the "Effective Date"), by and between the Company and Lorem Vascular. The closing of the purchase of the Shares will take place in two parts, with the first four million Shares being paid and transferred within seven business days of the Effective Date, and the remaining four million Shares being paid and transferred within sixty calendar days of the Effective Date. Pursuant to written instructions from Lorem Vascular, we issued the first four million Shares, and will issue the remaining four million Shares, to Mr. Kian Thiam Lim, sole stockholder of Lorem Vascular. In addition, pursuant to the terms of the Purchase Agreement, we granted Lorem Vascular the right to appoint one designated individual to serve on our Board of Directors. The filing of this shelf registration statement is being made pursuant to the Purchase Agreement. For more information, refer to the section of this prospectus entitled "Selling Stockholder."

#### RISK FACTORS

Investment in our securities involves risks. Prior to making a decision about investing in our securities, you should consider carefully all of the information included and incorporated by reference or deemed to be incorporated by reference in this prospectus or the applicable prospectus supplement, including the risk factors incorporated by reference herein from our Quarterly Report on Form 10-Q for the quarter ended September 30, 2013, as updated by annual, quarterly and other reports and documents we file with the SEC after the date of this prospectus and that are incorporated by reference herein or in the applicable prospectus supplement. Each of these risk factors could have a material adverse effect on our business, results of operations, financial position or cash flows, which may result in the loss of all or part of your investment.

#### SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated herein by reference contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are based on our management's current beliefs, expectations and assumptions about future events, conditions and results and on information currently available to us. Discussions containing these forward-looking statements may be found, among other places, in the Sections entitled "Business," "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" incorporated by reference from our most recent Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q, as well as any amendments thereto, filed with the SEC.

All statements, other than statements of historical fact, included or incorporated herein regarding our strategy, future operations, financial position, future revenues, projected costs, plans, prospects and objectives are forward-looking statements. Words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "estimate," "think," "may," "could," "will," "would," "should," "continue," "potential," "likely," "opportunity" and similar expressions or variations of such words are intended to identify forward-looking statements, but are not the exclusive means of identifying forward-looking statements. Additionally, statements concerning future matters such as the development or regulatory approval of new products, enhancements of existing products or technologies, third party performance under key agreements, revenue and expense levels and other statements regarding matters that are not historical are forward-looking statements. Such statements are based on currently available operating, financial and competitive information and are subject to various risks, uncertainties and assumptions that could cause actual results to differ materially from those anticipated or implied in our forward-looking statements due to a number of factors including, but not limited to, those set forth above under the section entitled "Risk Factors" in this prospectus and any accompanying prospectus supplement. Given these risks, uncertainties and other factors, many of which are beyond our control, you should not place undue reliance on these forward-looking statements.

Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to revise any forward-looking statements to reflect events or developments occurring after the date of this prospectus, even if new information becomes available in the future.

## **USE OF PROCEEDS**

We will not receive any of the proceeds from the sale of the shares by the selling stockholder.

## DESCRIPTION OF CAPITAL STOCK

The following description of our capital stock is not complete and may not contain all the information you should consider before investing in our capital stock. For the complete terms of our capital stock, please refer to our amended and restated certificate of incorporation and our amended and restated bylaws that are incorporated by reference into the registration statement of which this prospectus is a part or may be incorporated by reference in this prospectus or any prospectus supplement. The terms of these securities may also be affected by Delaware General Corporation Law. The summary below and that contained in any prospectus supplement are qualified in their entirety by reference to our amended and restated certificate of incorporation and our amended and restated bylaws.

## Common Stock

We are authorized to issue 145,000,000 shares of common stock, of which 75,270,466 shares were issued and outstanding as of November 14, 2013, including all shares registered herein. The holders of Common Stock possess exclusive voting rights in us, except to the extent our board of directors specifies voting power with respect to any other class of securities issued in the future. Each holder of our common stock is entitled to one vote for each share held of record on each matter submitted to a vote of stockholders, including the election of directors. Stockholders do not have any right to cumulate votes in the election of directors.

Subject to preferences that may be granted to the holders of preferred stock, each holder of our common stock is entitled to share ratably in distributions to stockholders and to receive ratably such dividends as may be declared by our board of directors out of funds legally available therefor. In the event of our liquidation, dissolution or winding up, the holders of our common stock will be entitled to receive, after payment of all of our debts and liabilities and of all sums to which holders of any preferred stock may be entitled, the distribution of any of our remaining assets. Holders of our common stock have no conversion, exchange, sinking fund, redemption or appraisal rights (other than such as may be determined by our board of directors in its sole discretion) and have no preemptive rights to subscribe for any of our securities.

All of the outstanding shares of our common stock are, and the shares of common stock issued upon the conversion of any securities convertible into our common stock will be, fully paid and non-assessable.

Our common stock is listed on the NASDAQ Global Market under the symbol "CYTX."

## Transfer Agent and Registrar

The transfer agent and registrar for our common stock is ComputerShare Investor Services, LLC.

## Preferred Stock

We are authorized to issue 5,000,000 shares of preferred stock, none of which were issued and outstanding as of November 14, 2013. Our board is authorized, without action by our stockholders, to classify or reclassify any unissued portion of our authorized shares of preferred stock to provide for the issuance of shares of other classes or series, including preferred stock in one or more series. Our board may fix or alter the dividend rights, dividend rate, conversion rights, voting rights, rights and terms of redemption (including sinking fund provisions), the redemption price or prices, the liquidation preferences of any wholly unissued series of Preferred Stock, and the number of shares constituting any such series and the designation thereof, or any of them; and to increase or decrease the number of shares of any series subsequent to the issue of shares of that series, but not below the number of shares of such series then outstanding. In case the number of shares of any series shall be so decreased, the shares constituting such decrease shall resume the status which they had prior to the adoption of the resolution originally fixing the number of shares of such series.

## Possible Anti-Takeover Effects of Delaware Law and our Certificate of Incorporation and Bylaws

## Delaware Anti-Takeover Statute

We are subject to Section 203 of the DGCL, an anti-takeover statute. In general, Section 203 of the DGCL prohibits a publicly held Delaware corporation from engaging in a "business combination" with an "interested stockholder" for a period of three years following the time the person became an interested stockholder, unless the business combination or the acquisition of shares that resulted in a stockholder becoming an interested stockholder is approved in a prescribed manner. Generally, a "business combination" includes a merger, asset or stock sale, or other transaction resulting in a financial benefit to the interested stockholder. Generally, an "interested stockholder" is a person who, together with affiliates and associates, owns (or within three years prior to the determination of interested stockholder status did own) 15% or more of a corporation's voting stock. The existence of this provision would be expected to have an anti-takeover effect with respect to transactions not approved in advance by our board of directors, including discouraging attempts that might result in a premium over the market price for the shares of common stock held by our stockholders.

## **Board Vacancies**

Our bylaws provide that any vacancy or vacancies in the Board shall be deemed to exist in the case of the death, resignation or removal of any director, or if the authorized number of directors be increased. Vacancies may be filled by a majority of the remaining directors, though less than a quorum, or by a sole remaining director, unless otherwise provided in the Certificate of Incorporation. The stockholders may elect a director or directors at any time to fill any vacancy or vacancies not filled by the directors.

## Undesignated Preferred Stock

The authority that will be possessed by our board of directors to issue preferred stock could potentially be used to discourage attempts by third parties to obtain control of our company through a merger, tender offer, proxy contest or otherwise by making such attempts more difficult or more costly. Our board of directors may issue preferred stock with voting rights or conversion rights that, if exercised, could adversely affect the voting power of the holders of our common stock:

## Special Meeting Requirements

Our amended and restated bylaws provide that special meetings of our stockholders may only be called at the request of our president, chief executive officer or chairman of the board or by a majority of our Board of Directors.

#### No Cumulative Voting

The DGCL provides that stockholders are denied the right to cumulate votes in the election of directors unless our certificate of incorporation provides otherwise. Our certificate of incorporation does not provide for cumulative voting.

## Authorized but Unissued Shares

Our authorized but unissued shares of common stock and preferred stock will be available for future issuance without stockholder approval. We may use additional shares for a variety of purposes, including future public offerings to raise additional capital, to fund acquisitions and as employee compensation. The existence of authorized but unissued shares of common stock and preferred stock could render more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

The above provisions may deter a hostile takeover or delay a change in control or management of us.

## **Registration Rights**

On October 29, 2013, we entered into a License Agreement with Lorem Vascular whereby we exclusively licensed Lorem Vascular all rights to market and sell Cytori Products (as defined in the License Agreement) for all markets within the countries of China, Hong Kong, Australia, Malaysia and Singapore, excluding only the Cosmetic Market (as defined in the License Agreement) and the rights for Alopecia (hair loss). In connection with the License Agreement, Lorem Vascular agreed to purchase 8,000,000 Shares at a price of \$3.00 per share for a total of \$24,000,000, pursuant to a Purchase Agreement, dated October 29, 2013, by and between the Company and Lorem Vascular. The closing of the purchase of the Shares will take place in two parts, with the first four million Shares being paid and transferred within seven business days of the Effective Date, and the remaining four million Shares being paid and transferred within sixty calendar days of the Effective Date. Pursuant to written instructions from Lorem Vascular, we issued the first four million Shares, and will issue the remaining four million Shares, to Mr. Kian Thiam Lim, sole stockholder of Lorem Vascular. In addition, pursuant to the terms of the Purchase Agreement, we granted Lorem Vascular the right to appoint one designated individual to serve on our Board of Directors.

Pursuant to the Purchase Agreement, we are required to use our reasonable efforts to register the Shares purchased by Lorem Vascular by filing a shelf registration statement that permits the resale of shares by Lorem Vascular and its permitted assigns into the market from time to time over an extended period. We have the right to require Lorem Vascular and its permitted assigns to suspend open market offers and sales of our common stock upon certain conditions. The filing of this shelf registration statement is being made pursuant to the Purchase Agreement to register the shares purchased by Lorem Vascular and issued to Mr. Lim.

The Purchase Agreement also includes provisions dealing with registration procedures, indemnification, assignment, and allocation of expenses. The registration rights provided under the Purchase Agreement will terminate upon the earlier to occur of (i) two years following the effectiveness of the registration statement registering the Shares or (ii) the date upon which all of the Shares may be sold pursuant to Rule 144 under the Securities Act of 1933, as amended (the "Securities Act").

Pursuant to the Purchase Agreement, we have agreed to bear all of the expenses incurred in connection with the registration of these shares. The selling stockholder will pay or assume brokerage commissions and similar charges incurred for the sale of shares of our common stock.

#### SELLING STOCKHOLDER

This prospectus relates to the possible resale, distribution or other transfer by Mr. Kian Thiam Lim, sole stockholder of Lorem Vascular, Pty. Ltd., from time to time of an aggregate of up to 8,000,000 shares of our common stock.

## Acquisition of Shares by the Selling Stockholder

On October 29, 2013, we entered into a License Agreement with Lorem Vascular whereby we exclusively licensed Lorem Vascular all rights to market and sell Cytori Products (as defined in the License Agreement) for all markets within the countries of China, Hong Kong, Australia, Malaysia and Singapore, excluding only the Cosmetic Market (as defined in the License Agreement) and the rights for Alopecia (hair loss). In connection with the License Agreement, Lorem Vascular agreed to purchase 8,000,000 Shares at a price of \$3.00 per share for a total of \$24,000,000, pursuant to a Purchase Agreement, dated October 29, 2013, by and between the Company and Lorem Vascular. The closing of the purchase of the Shares will take place in two parts, with the first four million Shares being paid and transferred within seven business days of the Effective Date, and the remaining four million Shares being paid and transferred within sixty calendar days of the Effective Date. Pursuant to written instructions from Lorem Vascular, we issued the first four million Shares, and will issue the remaining four million Shares, to Mr. Kian Thiam Lim, sole stockholder of Lorem Vascular. In addition, pursuant to the terms of the Purchase Agreement, we granted Lorem Vascular the right to appoint one designated individual to serve on our Board of Directors.

Pursuant to the Purchase Agreement, we are required to use our reasonable efforts to register the Shares purchased by Lorem Vascular by filing a shelf registration statement that permits the resale of Shares by Lorem Vascular and its permitted assigns into the market from time to time over an extended period. We have the right to require Lorem Vascular and its permitted assigns to suspend open market offers and sales of our common stock upon certain conditions. The filing of this shelf registration statement is being made pursuant to the Purchase Agreement to register the Shares purchased by Lorem Vascular.

The Purchase Agreement also includes provisions dealing with registration procedures, indemnification, assignment, and allocation of expenses. The registration rights provided under the Purchase Agreement will terminate upon the earlier to occur of (i) two years following the effectiveness of the registration statement registering the Shares or (ii) the date upon which all of the Shares may be sold pursuant to Rule 144 under the Securities Act.

Pursuant to the Purchase Agreement, we have agreed to bear all of the expenses incurred in connection with the registration of the Shares. The selling stockholder will pay or assume brokerage commissions and similar charges incurred for the sale of Shares of our common stock.

## Selling Stockholder

The following table presents information regarding the selling stockholder and the shares that it may offer and sell or otherwise dispose of from time to time under this prospectus. This table is prepared based on information supplied to us by the selling stockholder. As used in this prospectus, the term "selling stockholder" includes Mr. Kian Thiam Lim, sole stockholder of Lorem Vascular, Pty. Ltd., and any donees, pledgees, transferees, permitted assigns or other successors in interest selling shares received after the date of this prospectus from a selling stockholder as a gift, pledge, distribution or other transfer.

The number of shares in the column "Number of Shares Being Offered" represents all of the shares that the selling stockholder may offer and sell, distribute or otherwise transfer under this prospectus. The selling stockholder may sell, distribute or otherwise transfer some, all or none of its shares. We do not know how long the selling stockholder will hold the shares before selling, distributing or otherwise transferring them, and, except

as described above, we currently have no agreements, arrangements or understandings with the selling stockholder regarding the sale of any of the shares. Because the selling stockholder may offer all, some, or none of the shares of common stock that it owns pursuant to this offering, we cannot estimate the number of shares of common stock that the selling stockholder will hold after completion of the offering. For purposes of this table, we have assumed that the selling stockholder will have sold all of the shares covered by this prospectus upon the completion of the applicable offering.

The percentage of shares beneficially owned prior to the offering is based on 75,270,466 shares of our common stock that were outstanding as of November 14, 2013, including all shares registered in this offering.

	Shares Beneficially Owned		Shares Beneficially Owned			
	Before Offering		Shares Being	After Of	After Offering	
Name and Address of Beneficial Owner	Number	Percent	Offered	Number	Percent	
Kian Thiam Lim(1)	8,000,000	10.6%	8,000,000	_	_	

(1) Mr. Lim is the sole stockholder of Lorem Vascular, Pty. Ltd. The principal business address of Mr. Lim is c/o Lorem Vascular, Pty. Ltd. is Level 12, 2 Queen St., Melbourne 3000, Australia.

## PLAN OF DISTRIBUTION

The selling stockholder, including donees, pledgees, transferees, permitted assigns or other successors in interest (including transferees that receive shares of common stock from the selling stockholder under this prospectus), may use any one or more of the following methods (or in any combination) to sell, distribute or otherwise transfer the securities from time to time:

- through underwriters or dealers for resale to the public or to investors;
- · directly to one or more purchasers;
- through agents;
- in "at the market" offerings, within the meaning of Rule 415(a)(4) of the Securities Act, to or through a market maker or into an existing trading market on an exchange or otherwise;
- in block trades;
- · through public or privately negotiated transactions; or
- any other method permitted pursuant to applicable law.

In particular, the selling stockholder may offer and sell, distribute or otherwise transfer from time to time at a fixed price or prices, which may be changed; at market prices prevailing at the time of sale; at prices related to prevailing market prices; at varying prices determined at the time of sale; or at negotiated prices. These offers and sales or distribution may be effected from time to time in one or more transactions, including:

- on any national securities exchange or quotation service on which our common stock may be listed or quoted at the time of sale or in the overthe-counter market;
- in transactions otherwise than on a national securities exchange or quotation service or in the over-the-counter market;
- in block transactions in which the broker or dealer so engaged will attempt to sell the shares of common stock as agent but may position and resell a portion of the block as principal to facilitate the transaction, or in crosses, in which the same broker acts as an agent on both sides of the trade;
- in ordinary brokerage transactions in which the broker-dealer solicits purchasers;
- through purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- through the writing of options, convertible securities or other contracts or agreements to be satisfied by the delivery of shares of common stock;
- · through short sales;
- through privately negotiated transactions;
- through an exchange distribution in accordance with the rules of the applicable exchange;
- · broker-dealers may agree with any selling stockholder to sell a specified number of its shares at a stipulated price per share;
- through the lending of such securities;
- by pledge to secure debts and other obligations or on foreclosure of a pledge;
- through the distribution of such securities by any selling stockholder to its stockholders;
- · through a combination of any of the above methods; or
- · through any other method permitted pursuant to applicable law.

The selling stockholder may also sell shares in open market transactions under Rule 144 under the Securities Act, if available, rather than under this prospectus.

The selling stockholder may also engage in short sales against the box, puts and calls and other transactions in our securities or derivatives of our securities and may sell or deliver shares in connection with these trades.

Broker-dealers engaged by the selling stockholder may arrange for other brokers-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the selling stockholder (or, if any broker-dealer acts as agent for the purchaser of shares, from the purchaser) in amounts to be negotiated. The selling stockholder does not expect these commissions and discounts to exceed what is customary in the types of transactions involved. Any profits on the resale of shares of our common stock by a broker-dealer acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act. Discounts, concessions, commissions and similar selling expenses, if any, attributable to the sale of shares will be borne by the selling stockholder. The selling stockholder may agree to indemnify any agent, dealer or broker-dealer that participates in transactions involving sales of the shares if liabilities are imposed on that person under the Securities Act.

The selling stockholder may from time to time pledge or grant a security interest in some or all of the shares of our common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the shares of our common stock from time to time under this prospectus after we have filed an amendment to the registration statement or supplement to the prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending the list of selling stockholder to include the pledgee, transferee or other successors in interest as selling stockholder under this prospectus, as appropriate.

The selling stockholder also may transfer the shares of our common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of the prospectus and may sell the shares of common stock from time to time under the prospectus after we have filed an amendment to the registration statement or supplement to the prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under the prospectus, as appropriate.

The selling stockholder and any broker-dealers or agents that are involved in selling the shares of our common stock may be deemed to be "underwriters" within the meaning of the Securities Act in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the shares of our common stock purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act.

We have agreed to bear all of the expenses incurred in connection with the registration of these shares. The selling stockholder will pay or assume brokerage commissions and similar charges incurred for the sale of shares of our common stock. We have agreed to indemnify the selling stockholder against certain losses, claims, damages and liabilities, including liabilities under the Securities Act.

Agents, dealers and underwriters may be entitled under agreements entered into with the selling stockholder to indemnification by the selling stockholder against certain civil liabilities, including liabilities under the Securities Act, or to contribution with respect to payments which such agents, dealers or underwriters may be required to make in respect thereof. Agents, dealers and underwriters may be customers of, engage in transactions with, or perform services on the selling stockholder's behalf.

At any time a particular offer of the shares of common stock is made, a prospectus supplement, if required, will be distributed and set forth the terms of each specific offering, including the name or names of any underwriters or agents, the purchase price of the shares of common stock and the proceeds to the selling stockholder from such sales or distribution, any delayed delivery arrangements, any underwriting discounts and

other items constituting underwriters' compensation, any initial public offering price and any discounts or concessions allowed or reallowed or paid to dealers. Any initial public offering price and any discounts or concessions allowed or reallowed or paid to dealers may be changed from time to time.

The anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of our common stock and activities of the selling stockholder.

## **Through Underwriters**

If underwriters are used in a sale or distribution, the shares of our common stock will be acquired by the underwriters for their own account and may be resold from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. The underwriters may sell or distribute the shares of our common stock in order to facilitate transactions in any of our other securities (described in this prospectus or otherwise), including other public or private transactions and short sales. The shares of our common stock may be offered to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. The underwriter or underwriters with respect to a particular underwritten offering and, if an underwriting syndicate is used, the managing underwriter or underwriters will be set forth on the cover of such prospectus supplement. Unless otherwise set forth in the prospectus supplement, the underwriters will be obligated to purchase all the shares of our common stock offered in the particular underwritten offering, if any are purchased.

During and after an offering through underwriters, the underwriters may purchase and sell or distribute the shares of our common stock in the open market. These transactions may include overallotment and stabilizing transactions and purchases to cover syndicate short positions created in connection with the offering. The underwriters also may impose a penalty bid, under which selling concessions allowed to syndicate members or other broker-dealers for the securities they sell or distribute for their account may be reclaimed by the syndicate if the syndicate repurchases the securities in stabilizing or covering transactions. These activities may stabilize, maintain or otherwise affect the market price of the securities then offered, which may be higher than the price that might otherwise prevail in the open market, and, if commenced, may be discontinued at any time.

## **Through Agents or to Dealers**

The selling stockholder may sell or distribute the shares of our common stock directly or through agents the selling stockholder designates from time to time. Unless otherwise indicated in a prospectus supplement, any such agent will be acting on a best efforts basis for the period of its appointment.

If dealers are used in any of the sales or distribution of the shares of our common stock covered by this prospectus, the selling stockholder will sell those securities to dealers as principals. The dealers may then resell the securities to the public at varying prices the dealers determine at the time of resale.

#### **Direct Sales**

The selling stockholder may sell or distribute the shares of our common stock directly to institutional investors or others who may be deemed to be underwriters within the meaning of the Securities Act with respect to any sale thereof.

## **Delayed Delivery**

If so indicated in a prospectus supplement, the selling stockholder may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase the shares of our common stock from the selling stockholder at the public offering price set forth in the prospectus supplement pursuant to delayed delivery contracts providing for payment and delivery on a specified date in the future. These contracts will be

subject only to those conditions set forth in the prospectus supplement, and the prospectus supplement will set forth the commission payable for solicitation of such contracts.

## **Derivative Transactions and Hedging**

The selling stockholder and the underwriters may engage in derivative transactions involving the shares of our common stock. These derivatives may consist of short sale transactions and other hedging activities. The underwriters may acquire a long or short position in the securities, hold or resell securities acquired and purchase options or futures on the securities and other derivative instruments with returns linked to or related to changes in the price of the securities. In order to facilitate these derivative transactions, the selling stockholder may enter into security lending or repurchase agreements with the underwriters. The underwriters may effect the derivative transactions through sales or distributions of the securities to the public, including short sales, or by lending the securities in order to facilitate short sale transactions by others. The underwriters may also use the securities purchased or borrowed from the selling stockholder or others (or, in the case of derivatives, securities received from the selling stockholder in settlement of those derivatives) to directly or indirectly settle sales of the securities or close out any related open borrowings of the securities.

## **Loans of Securities**

The selling stockholder may loan or pledge the shares of our common stock to a financial institution or other third party that in turn may sell the securities using this prospectus and an applicable prospectus supplement.

#### LEGAL MATTERS

The validity of the securities offered by this prospectus will be passed upon for us by DLA Piper LLP (US), San Diego, California.

#### **EXPERTS**

The consolidated financial statements of Cytori Therapeutics, Inc. as of December 31, 2012 and 2011, and for each of the years in the three-year period ended December 31, 2012, and management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2012, have been incorporated by reference herein and in the registration statement in reliance upon the reports of KPMG LLP, independent registered public accounting firm, incorporated by reference herein, and upon the authority of said firm as experts in accounting and auditing.

## WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act, of which this prospectus forms a part. The rules and regulations of the SEC allow us to omit from this prospectus certain information included in the registration statement. This prospectus does not contain all of the information set forth in the registration statement and the exhibits to the registration statement. For further information with respect to us and our securities, we refer you to the registration statement and the exhibits and schedules filed as a part of the registration statement. With respect to the statements contained in this prospectus regarding the contents of any agreement or any other document, in each instance, the statement is qualified in all respects by the complete text of the agreement or document, a copy of which has been filed as an exhibit to the registration statement.

We are a reporting company and file annual, quarterly and current reports, proxy statements and other information with the SEC. You may read and copy the registration statement, as well as our reports, proxy statements and other information, at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. You can request copies of these documents by writing to the SEC and paying a fee for the copying cost. Please call the SEC at 1-800-SEC-0330 for more information about the operation of the Public Reference Room. The SEC maintains an internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC, where our SEC filings are also available. The address of the SEC's web site is <a href="https://www.sec.gov">www.sec.gov</a>.

The SEC allows us to "incorporate by reference" information that we file with it into this prospectus, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus. Information in this prospectus supersedes information incorporated by reference that we filed with the SEC prior to the date of this prospectus, while information that we file later with the SEC will automatically update and supersede the information in this prospectus. We incorporate by reference into this registration statement and prospectus the documents listed below, and any future filings we will make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of the initial registration statement but prior to effectiveness of the registration statement and after the date of this prospectus but prior to the termination of the offering of the securities covered by this prospectus (other than current reports or portions thereof furnished under Item 2.02 or Item 7.01 of Form 8-K):

- Our Annual Report on Form 10-K for the year ended December 31, 2012, as amended by Form 10-10-K/A;
- Our Quarterly Reports on Form 10-Q for the quarter ended March 31, 2013, the quarter ended June 30, 2013 and the quarter ended September 30, 2013;

- Our Current Reports on Form 8-K filed with the SEC on February 27, 2013, July 1, 2013, August 5, 2013, August 30, 2013, October 9, 2013 and November 4, 2013;
- Our Definitive Proxy Statement on Schedule 14A filed with the SEC on July 19, 2013; and
- The description of our common stock contained in our registration statement on Form 10/A filed with the SEC on July 16, 2001 (File No. 000-32501).

These documents may also be accessed on our website at *www.cytori.com*. Except as otherwise specifically incorporated by reference in this prospectus, information contained in, or accessible through, our web site is not a part of this prospectus.

Any statement incorporated herein shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

We will provide to each person, including any beneficial owner, to whom a prospectus is delivered, without charge upon written or oral request, a copy of any or all of the information that has been incorporated by reference into this prospectus but not delivered with the prospectus, including exhibits that are specifically incorporated by reference into such documents. Requests should be directed to: Cytori Therapeutics, Inc., 3020 Callan Road, San Diego, CA 92121, Attn: Investor Relations, telephone: (858) 458-0900.

# CYTORI THERAPEUTICS, INC.

8,000,000 Shares

**Common Stock** 

**PROSPECTUS** 

#### PART II

## INFORMATION NOT REQUIRED IN THE PROSPECTUS

## Item 14. Other Expenses of Issuance and Distribution

The following table sets forth the costs and expenses payable by us in connection with the sale of the securities being registered hereby. All amounts are estimates except the Securities and Exchange Commission registration fee.

	Amour	nt to be Paid
Securities and Exchange Commission registration fee	\$	2,525
Legal fees and expenses		25,000
Accounting fees and expenses		8,000
Miscellaneous		2,200
Total	\$	37,725

#### Item 15. Indemnification of Officers and Directors

Section 145 of the DGCL authorizes a court to award or a corporation's board of directors to grant indemnification to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities (including reimbursement for expenses incurred) arising under the Securities Act of 1933, as amended, or the Securities Act.

Our amended and restated certificate of incorporation, as amended (our "Certificate"), includes a provision that, to the fullest extent permitted by the Delaware General Corporation Law, eliminates the personal liability of our directors for monetary damages for breach of fiduciary duty as a director. In addition, together our Certificate and our amended and restated bylaws, as amended (our "Bylaws"), require us to indemnify, to the fullest extent permitted by law, any person made or threatened to be made a party to an action or proceeding (whether criminal, civil, administrative or investigative) by reason of the fact that such person is or was a director, officer or employee of Cytori or any predecessor of ours, or serves or served at any other enterprise as a director, officer or employee at our request or the request of any predecessor of ours, against expenses (including attorneys' fees), judgments, fines, settlements and other amounts actually and reasonably incurred in connection with any proceeding, arising by reason of the fact that such person is or was an agent of ours. Our Bylaws also provide that we may, to the fullest extent provided by law, indemnify any person against expenses (including attorneys' fees), judgments, fines, settlements and other amounts actually and reasonably incurred in connection with any proceeding, arising by reason of the fact that such person is or was an agent of ours. We are required to advance expenses incurred by our directors, officers, employees and agents in defending any action or proceeding for which indemnification is required or permitted, subject to certain limited exceptions. The indemnification rights conferred by our Bylaws are not exclusive.

We have obtained directors and officers liability insurance.

## Item 16. Exhibits and Financial Statement Schedules

The attached Exhibit Index is incorporated herein by reference.

## Item 17. Undertakings

The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
  - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

- (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission (the "Commission") pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement:
- (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that the undertakings set forth in paragraphs (1)(i), (1)(ii) and (1)(iii) above do not apply if the registration statement is on Form S-3 or Form F-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statements, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
  - (4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:
- (i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
- (ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.
- (5) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(6) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.

## **SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of San Diego, State of California, on November 19, 2013.

CVTORI	THER	APEUTICS.	INC
		AFEU HUS.	

BY:	/s/ Christopher J. Calhoun
•	Christopher J. Calhoun
	Chief Executive Officer
	(Principal Executive Officer)

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Christopher J. Calhoun and Mark E. Saad, and each of them, his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities including his capacity as a director and/or officer of Cytori Therapeutics, Inc., to sign any and all amendments (including post-effective amendments) to this registration statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature /s/ David M. Rickey David M. Rickey	Chairman of the Board of Directors	
/s/ Christopher J. Calhoun Christopher J. Calhoun	Chief Executive Officer and Director (Principal Executive Officer)	November 19, 2013
/s/ Mark E. Saad Mark E. Saad	Chief Financial Officer (Principal Financial and Accounting Officer)	November 19, 2013
/s/ Lloyd H. Dean Lloyd H. Dean	Director	November 19, 2013
/s/ Richard J. Hawkins Richard J. Hawkins	Director	November 19, 2013
/s/ Paul W. Hawran Paul W. Hawran	Director	November 19, 2013

Signature	Title	Date
/s/ Marc H. Hedrick, M.D.	President and Director	November 19, 2013
Marc H. Hedrick, M.D.		
/s/ E. Carmack Holmes, M.D. E. Carmack Holmes, M.D.	Director	November 19, 2013
/s/ Gary A. Lyons Gary A. Lyons	Director	November 19, 2013
/s/ Tommy G. Thompson /s/ Tommy G. Thompson	Director	November 19, 2013

## INDEX TO EXHIBITS

Exhibit Number	Description of Document
1.1*	Form of Underwriting Agreement.
4.1**	Composite Certificate of Incorporation.
4.2(1)	Amended and Restated Bylaws.
4.3**	Stock Purchase Agreement, effective October 29, 2013, by and between the Company and Lorem Vascular, Pty. Ltd.
5.1**	Opinion of DLA Piper LLP (US).
23.1**	Consent of KPMG LLP.
23.2**	Consent of DLA Piper LLP (US) (included in Exhibit 5.1).
24.1**	Power of Attorney (included on signature page).

<sup>\*</sup> To be filed by amendment or as an exhibit to a report filed under the Exchange Act and incorporated herein by reference.

<sup>\*\*</sup> Filed herewith.

<sup>(1)</sup> Incorporated by reference to the Company's Quarterly Report on for 10-Q (File No. 000-32501) filed with the SEC, on August 14, 2003.

# COMPOSITE CERTIFICATE OF INCORPORATION OF CYTORI THERAPEUTICS, INC.

## ARTICLE I

The name of the corporation is Cytori Therapeutics, Inc. (the "Corporation").

## ARTICLE II

The address of the registered office of the Corporation in the State of Delaware is:

CorpAmerica, Inc. 2711 Centerville Road, Suite 400 Wilmington, DE 19808 County of New Castle

The name of the Corporation's registered agent at said address is CorpAmerica, Inc.

## ARTICLE III

The purpose of the Corporation is to engage in any lawful act or activity for which a corporation may be organized under the General Corporation Law of the State of Delaware (the "Delaware General Corporation Law").

## ARTICLE IV

A. This Corporation is authorized to issue two classes of stock to be designated, respectively, "Common Stock" and "Preferred Stock." The total number of shares which the Corporation is authorized to issue is One Hundred Fifty Million (150,000,000) shares, One Hundred Forty-Five Million (145,000,000) shares of which shall be Common Stock (the "Common Stock") and Five Million (5,000,000) shares of which shall be Preferred Stock (the "Preferred Stock"). The Common Stock and the Preferred Stock shall each have a par value of \$0.001 per share.

- B. The number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares of Common Stock then outstanding) by the affirmative vote of the holders of a majority of the stock of the Corporation.
- C. The Preferred Stock may be issued from time to time in one or more series. The Board of Directors is hereby authorized, within the limitations and restrictions stated in this Amended and Restated Certificate of Incorporation, to fix or alter the dividend rights, dividend rate, conversion rights, voting rights, rights and terms of redemption (including sinking fund provisions), the redemption price or prices, the liquidation preferences of any wholly unissued series of Preferred Stock, and the number of shares constituting any such series and the designation thereof, or any of them; and to increase or decrease the number of shares of any series subsequent to the issue of shares of that series, but not below the number of shares of such series then outstanding. In case the number of shares of any series shall be so decreased, the shares constituting such decrease shall resume the status which they had prior to the adoption of the resolution originally fixing the number of shares of such series.

## ARTICLE V

The Board of Directors may from time to time make, amend, supplement or repeal the Bylaws; provided, however, that the stockholders may change or repeal any Bylaw adopted by the Board of Directors by the affirmative vote of the holders of a majority of

the voting power of all of the then outstanding shares of the capital stock of the Corporation; and, provided further, that no amendment or supplement to the Bylaws adopted by the Board of Directors shall vary or conflict with any amendment or supplement thus adopted by the stockholders.

#### ARTICLE VI

The directors of the Corporation need not be elected by written ballot unless the Bylaws so provide.

## ARTICLE VII

To the fullest extent permitted by the Delaware General Corporation Law, as the same exists or as may hereafter be amended, a director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for any breach of fiduciary duty as a director.

The Corporation shall indemnify to the fullest extent permitted by law, any person made or threatened to be made a party to an action or proceeding, whether criminal, civil, administrative or investigative, by reason of the fact that he, his testator or intestate is or was a director, officer or employee of the Corporation or any predecessor of the Corporation, or serves or served at any other enterprise as a director, officer or employee at the request of the Corporation or any predecessor to the Corporation.

Neither any amendment or repeal of this Article VII, nor the adoption of any provision of this Corporation's Certificate of Incorporation inconsistent with this Article VII, shall eliminate or reduce the effect of this Article VII in respect of any matter occurring, or any action or proceeding arising, or that, but for this Article VII, would accrue or arise, prior to such amendment, repeal or adoption of an inconsistent provision.

## ARTICLE VIII

The Corporation is to have perpetual existence.

## ARTICLE IX

The number of directors which shall constitute the whole Board of Directors shall be fixed by the Board of Directors in the manner provided in the Bylaws.

## ARTICLE X

Meetings of stockholders may be held within or without the State of Delaware, as the Bylaws may provide. The books of the Corporation may be kept (subject to any statutory provisions) outside the State of Delaware at such place or places as may be designated from time to time by the Board of Directors in the Bylaws of the Corporation.

## STOCK PURCHASE AGREEMENT

This Stock Purchase Agreement (the "<u>Agreement</u>") is made as of October 23, 2013 (the "Effective Date"), by and between Cytori Therapeutics, Inc., a Delaware corporation (the "<u>Company</u>"), and Lorem Vascular, Pty. Ltd., an Australia corporation located at Level 12, 2 Queen Street, Melbourne 3000, Australia ("Purchaser").

- 1. <u>Sale of Common Stock (the "Private Placement"</u>). Subject to the terms and conditions of this Agreement, the Company will issue and sell to Purchaser, and Purchaser agrees to purchase from the Company:
  - (a) Four Million unregistered shares of the Company's common stock (the "Initial Shares") at a price of Three Dollars (US\$3.00) per share for a total purchase price of Twelve Million US Dollars (US\$12,000,000) (the "Initial Purchase Price") at the 1st Closing (as defined below); and
  - (b) Four Million unregistered shares of the Company's common stock (the "Secondary Shares") at a price of Three Dollars (US\$3.00) per share for a total purchase price of Twelve Million US Dollars (US\$12,000,000) (the "Secondary Purchase Price") at the 2<sup>nd</sup> Closing (as defined below).
- 2. <u>Purchase</u>. The purchase and sale of the Initial Shares and the Secondary Shares under Section 1 of this Agreement shall occur at the principal office of the Company as follows:
  - (a) Within three (3) calendar days of the execution of this Agreement by the parties (the "1st Closing"). At the 1st Closing, Purchaser shall deliver the Initial Purchase Price to Company by wire transfer, or by alternate means agreed between the Parties, and the Company shall deliver a certificate representing the Initial Shares to Purchaser.
  - (b) Within sixty (60) calendar days after the Effective Date (the "2nd Closing"). At the 2nd Closing, Purchaser shall deliver the Secondary Purchase Price to the Company by wire transfer, or by alternate means agreed between the Parties, and the Company shall deliver a certificate representing the Secondary Shares to Purchaser.
  - (c) For purposes of reference for the remainder of this Agreement: (i) the Initial Shares and the Secondary Shares shall be referred to collectively as the "Shares", and (ii) the Initial Purchase Price and the Secondary Purchase Price shall collectively be referred to as the "Purchase Price".
- 3. <u>Limitations on Transfer of Shares</u>. Purchaser shall not assign, encumber or dispose of any interest in the Shares except in compliance with applicable securities laws and regulations of applicable countries and stock exchanges. It is Purchaser's responsibility to familiarize itself with such laws and regulations.
  - 4 <u>Company's Representation</u>. The Company hereby represents and warrants to the Purchaser as follows as of the Effective Date of this Agreement:
- (a) The Company is duly organized and validly existing under the laws of the State of Delaware and has all requisite corporate power and authority to enter into this Agreement and to consummate the transactions contemplated hereby.

- (b) The Company has the right and power to enter into and perform its obligations under this Agreement; has taken or will take prior to Closing all necessary corporate actions required to enter into and perform its obligations under this Agreement; and this Agreement constitutes the legal, valid and binding obligation of the Company, enforceable in accordance with its terms.
- (c) The execution of this Agreement and the consummation of the transactions contemplated hereby will not result in a breach of any of the terms or provisions of, or constitute a default under, any agreement, or other instrument to which the Company is a party or by which it is bound.
- (d) All consents, approvals, authorizations and other requirements prescribed by any law, rule or regulation which must be obtained or satisfied by the Company in order to permit the consummation of the transactions contemplated by this Agreement have been or will be obtained and satisfied prior to Closing.
- (e) The authorized capital of the Company consists solely of 145,000,000 authorized shares of common stock, and 5,000,000 shares of preferred stock.
- (f) The Shares, when issued, sold and delivered in accordance with the terms of this Agreement for the Purchase Price, will be duly and validly issued, fully paid and non-assessable and will be delivered to the Purchaser, free and clear of liens, encumbrances (other than securities law restrictions), equities or claims.
- (g) The Company's latest audited financial statements as of and for the year ended December 31, 2012, and any up to date Information (as defined below) provided to Purchaser in connection with this purchase, taken together, fairly represent the true financial position of the Company in all material respects and in conformity with generally accepted accounting principles applied on a consistent basis for the periods represented.
- 5. <u>Investment Representations</u>. In connection with the purchase of the Shares, Purchaser makes the following representations and warranties to the Company as of the Effective Date and as of the date of the Closing:
- (a) This Agreement has been duly authorized and executed by Purchaser and, when delivered by Purchaser in accordance with its terms, will constitute the valid and legally binding obligation of the Purchaser, enforceable against it in accordance with its terms.
- (b) Purchaser understands that Company is a reporting company under the U.S. Securities Exchange Act, and its various periodic reports and other SEC filings are available for public inspection on the EDGAR system at www.sec.gov. Purchaser further acknowledges that Purchaser and Purchaser's advisors have had the opportunity to ask questions of and receive answers from the Company's management concerning this investment. Purchaser is aware of the Company's business affairs and financial condition based on the said public available information and the answers from the Company's management (the "Information") and Purchaser and Purchaser's advisors has evaluated the merits and risks of an investment in the Company and decided to acquire the Shares based on such Information.
- (c) Purchaser understands that the Shares have not been registered under the U.S. Securities Act by reason of a specific exemption therefrom, which exemption depends upon, among other things, the bona fide nature of Purchaser's investment intent as expressed herein.

- (d) Purchaser understands that the Shares are "restricted securities" within the meaning of applicable U.S. federal and state securities laws and that, pursuant to these laws, Purchaser must hold the Shares indefinitely unless they are registered under the U.S. Securities and Exchange Commission and qualified by state authorities and resold pursuant to the requirements of such registration/qualification, or an exemption from such registration and qualification requirements is available (e.g., Rule 144 or Regulation S). Purchaser further acknowledges that if an exemption from registration or qualification is available, it may be conditioned on various requirements including, but not limited to, the time and manner of sale, the holding period for the Shares, and requirements relating to the Company which are outside of Purchaser's control, and which the Company is under no obligation and may not be able to satisfy.
  - (e) Purchaser is an "accredited investor," as defined in US Securities Act Rule 501.
- (f) Purchaser has not entered into any agreement to pay commissions to any persons with respect to the purchase or sale of the Shares, except commissions for which Purchaser will be responsible.
- (g) Purchaser understands and acknowledges that no Australian or United States federal or state agency, governmental authority, regulatory body, stock exchange or other entity has made any finding or determination as to the merits of this investment, nor have any such agencies, governmental authorities, regulatory bodies, stock exchanges or other entities made any recommendation or endorsement with respect to the Shares.
- (h) Purchaser, in evaluating the merits of an investment in the Shares, is not relying on the Company, its counsel, or any financial or other advisor to the Company for an evaluation of the tax, legal or other consequences of an investment in the Shares.
- (i) Purchaser is purchasing the Shares for investment for its own account only and not with a view to, or for resale in connection with, any "distribution" thereof within the meaning of the U.S. Securities Act.
  - 6. **Legends.** The certificates overlying the Shares shall bear the following legends:
- "The shares of common stock of Cytori Therapeutics, Inc. represented hereby have not been registered under the United States Securities Act of 1933, as amended (the "Securities Act"). These securities may not be offered, sold, pledged or otherwise transferred (nor may exposure with respect to the shares otherwise be hedged) except (A)(1) pursuant to an effective registration statement under the Securities Act, (2) pursuant to an exemption from registration under the Securities Act provided by Rule 144 thereunder (if available), or (3) pursuant to another valid exemption from registration under the Securities Act (if available), and (B) in each case in accordance with all applicable securities laws of the States of the United States. No representation can be made as to the availability of the exemption provided by Rule 144 under the Securities Act for re-sale of the shares."
- 7. **Registration**. The Company shall within 5 business days after receipt of funding from each of the 1st Closing and the 2nd Closing, use reasonable efforts to, promptly prepare and file with the US Securities and Exchange Commission (the "Commission") a Registration Statement covering the resale of the Shares for an offering to be made on a continuous basis pursuant to Rule 415. The Registration Statement shall be on Form S-3 (except if the Company is not then eligible to register for resale the Shares on Form S-3, in which case such registration shall be on another appropriate form in accordance with the US Securities Act and the rules promulgated thereunder). The Company shall use its reasonable efforts to cause the Registration Statement to be declared effective under the US Securities Act

within 45 business days after such filing. The Company shall keep such Registration Statement continuously effective under the Securities Act for a period of two years, or until the date upon which all of the Shares may be sold pursuant to Rule 144 under the Securities Act, whichever occurs first (the "Effectiveness Period").

- 8. Registration Procedures; Company's Obligations. In connection with the obligation for the registration of the Shares above, the Company shall:
  - (a) Furnish to the Purchaser a copy of the Registration Statement as proposed to be filed.
- (b) Prepare and file with the Commission such amendments, including post-effective amendments, to the Registration Statement as may be necessary to keep the Registration Statement continuously effective as to the applicable Shares for the Effectiveness Period; (ii) cause the related Prospectus to be amended or supplemented by any required Prospectus supplement, and as so supplemented or amended to be filed pursuant to Rule 424 (or any similar provisions then in force) promulgated under the Securities Act; and (iii) respond promptly to any comments received from the Commission with respect to the Registration Statement or any amendment thereto and promptly provide the Purchaser true and complete copies of all correspondence from and to the Commission relating to the Registration Statement.
- (c) Notify the Purchaser (i)(A) when a Prospectus or any Prospectus supplement or post-effective amendment to the Registration Statement is proposed to be filed, (B) when the Commission notifies the Company whether there will be a "review" of such Registration Statement and whenever the Commission comments in writing on such Registration Statement, and (C) with respect to the Registration Statement or any post-effective amendment, when the same has become effective; (ii) of any request by the Commission or any other Federal or state governmental authority for amendments or supplements to the Registration Statement or Prospectus or for additional information; (iii) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement covering any or all of the Shares or the initiation of any proceedings for that purpose; (iv) of the receipt by the Company of any notification with respect to the suspension of the qualification or exemption from qualification of any of the Shares for sale in any state of the U.S., or the initiation or threatening of any proceeding for such purpose.
- (d) Use its reasonable commercial efforts to avoid the issuance of, or, if issued, obtain the withdrawal of, (i) any order suspending the effectiveness of the Registration Statement, or (ii) any suspension of the qualification (or exemption from qualification) of any of the Shares for sale in any state of the U.S., at the earliest practicable moment.
- (e) If requested by the Purchaser, (i) promptly incorporate in a Prospectus supplement or post-effective amendment to the Registration Statement such information as the Company reasonably agrees should be included therein, and (ii) make all required filings of such Prospectus supplement or such post-effective amendment as soon as practicable after the Company has received notification of the matters to be incorporated in such Prospectus supplement or post-effective amendment.
- (f) Promptly furnish to Purchaser, without charge, one copy of the Registration Statement and any amendment thereto, and such number of copies of the Prospectus and all amendments and supplements thereto and such other documents as Purchaser may reasonably request in order to facilitate its disposition of Shares.

- (g) Use its reasonable commercial efforts to register or qualify or cooperate with the selling Purchaser in connection with the registration or qualification (or exemption from such registration or qualification) of such Shares for offer and sale under the securities or Blue Sky laws of each state of the U.S. as the Purchaser reasonably requests in writing, to keep each such registration or qualification (or exemption therefrom) effective during the Effectiveness Period and to do any and all other acts or things necessary or advisable to enable the disposition in such states of the Shares covered by a Registration Statement; provided, however, that the Company shall not be required to qualify generally to do business in any jurisdiction where it is not then so qualified or to take any action that would subject it to general service of process in any such jurisdiction where it is not then so subject the Company to any tax in any such jurisdiction where it is not then so subject.
- (h) Use its reasonable efforts to cause all Shares to be listed on any U.S. national securities exchange (such as the NASDAQ Global Market), U.S. quotation system, or U.S. over-the-counter bulletin board, if any, on which the same securities issued by the Company are then listed.
- (i) Notwithstanding any other provision of this <u>Section 8</u>, the Company shall have the right at any time to require that the Purchaser suspend open market offers and sales of its Common Stock pursuant to a Registration Statement whenever in the reasonable, good-faith judgment of the Company's Board of Directors or a committee thereof, permitting open market offers and sales of such securities would result in serious harm to the Company (the "*Suspension Right*"). The Company may use the Suspension Right and suspend the sale of Shares under the Registration Statement one time every three months or three times in any twelve month period, provided that the Company may not suspend its obligation for more than 60 days in the aggregate in any 12 month period.
- 9. Registration Procedures; Purchaser's Obligations. In connection with the registration of the Shares, the Purchaser shall (i) not sell any Shares under the Registration Statement until it has received copies of the Prospectus as then amended or supplemented as contemplated in Section 8(f) and the notice from the Company that such Registration Statement and any post-effective amendments thereto have become effective as contemplated by Section 8, (ii) comply with the prospectus delivery requirements of the Securities Act as applicable to it in connection with sales of Shares pursuant to the Registration Statement, and (iii) furnish to the Company information regarding such Purchaser and the distribution of such Shares as is required by law to be disclosed in the Registration Statement.

## 10. Registration Expenses.

All reasonable fees and expenses incident to the performance of or compliance with the obligations under Section 8 of this Agreement shall be borne by the Company whether or not any Shares are sold pursuant to the Registration Statement.

## 11. Indemnification.

(a) <u>Indemnification by the Company</u>. The Company shall indemnify and hold harmless Purchaser, its permitted assignees, officers, directors, agents, brokers, investment advisors and employees, each person who controls Purchaser or a permitted assignee (within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act) and the officers, directors, agents and employees of each such controlling person, and the respective successors, assigns, estate and personal representatives of each of the foregoing, to the fullest extent permitted by applicable law, from and against any and all claims, losses, damages, liabilities, penalties, judgments, costs (including, without limitation, costs of investigation) and expenses (including, without limitation, reasonable attorneys' fees and expenses) (collectively, "<u>Losses</u>"), as incurred, arising out of or relating to any untrue or alleged untrue statement of

a material fact contained in the Registration Statement, any Prospectus, as supplemented or amended, if applicable, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any Prospectus or supplement thereto, in the light of the circumstances under which they were made) not misleading, except (i) to the extent, but only to the extent, that such untrue statements or omissions are based solely upon information regarding the Purchaser furnished in writing to the Company by the Purchaser expressly for use therein, or (ii) as a result of the failure of the Purchaser to deliver a Prospectus, as amended or supplemented, to a purchaser in connection with an offer or sale. The Company shall notify the Purchaser promptly of the institution, threat or assertion of any Proceeding of which the Company is aware in connection with the transactions contemplated by this Agreement. Such indemnity shall remain in full force and effect regardless of any investigation made by or on behalf of an Indemnified Party (as defined in Section 11(b) hereof) and shall survive the transfer of the Shares by the Purchaser.

(b) <u>Conduct of Indemnification Proceedings</u>. If any Proceeding shall be brought or asserted against any Person entitled to indemnity pursuant to Section 11(a) hereunder (an "<u>Indemnified Party</u>"), such Indemnified Party promptly shall notify the Person from whom indemnity is sought (the "<u>Indemnifying Party</u>) in writing, and the Indemnifying Party shall assume the defense thereof, including the employment of counsel reasonably satisfactory to the Indemnified Party and the payment of all fees and expenses incurred in connection with defense thereof; <u>provided</u>, that the failure of any Indemnified Party to give such notice shall not relieve the Indemnifying Party of its obligations or liabilities pursuant to this Agreement, except (and only) to the extent that it shall be finally determined by a court of competent jurisdiction (which determination is not subject to appeal or further review) that such failure shall have materially and adversely prejudiced the Indemnifying Party.

An Indemnified Party shall have the right to employ separate counsel in any such Proceeding and to participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Indemnified Party or Parties unless: (i) the Indemnifying Party has agreed in writing to pay such fees and expenses; or (ii) the Indemnifying Party shall have failed promptly to assume the defense of such Proceeding and to employ counsel reasonably satisfactory to such Indemnified Party in any such Proceeding; or (iii) the named parties to any such Proceeding (including any impleaded parties) include both such Indemnified Party and the Indemnifying Party, shall have been advised by counsel that a conflict of interest is likely to exist if the same counsel were to represent such Indemnified Party and the Indemnifying Party (in which case, if such Indemnified Party notifies the Indemnifying Party in writing that it elects to employ separate counsel at the expense of the Indemnifying Party, the Indemnifying Party shall not have the right to assume the defense thereof and such counsel shall be at the expense of the Indemnifying Party). The Indemnifying Party shall not be liable for any settlement of any such Proceeding effected without its written consent, which consent shall not be unreasonably withheld, conditioned or delayed. No Indemnifying Party shall, without the prior written consent of the Indemnified Party, which consent shall not unreasonably be withheld, conditioned or delayed, effect any settlement of any pending Proceeding in respect of which any Indemnified Party is a party, unless such settlement includes an unconditional release of such Indemnified Party from all liability on claims that are the subject matter of such Proceeding.

All reasonable fees and expenses of the Indemnified Party (including reasonable fees and expenses to the extent incurred in connection with investigating or preparing to defend such Proceeding in a manner not inconsistent with this Section) shall be paid to the Indemnified Party, as incurred, within 20 business days of written notice thereof to the Indemnifying Party (regardless of whether it is ultimately determined that an Indemnified Party is not entitled to indemnification hereunder; <u>provided</u>, that the Indemnifying Party may require such Indemnified Party to undertake to reimburse all such fees and expenses to the extent it is finally judicially determined that such Indemnified Party is not entitled to indemnification hereunder or pursuant to applicable law).

- (c) The indemnity agreement contained in this Section is in addition to any liability that the Indemnifying Parties may have to the Indemnified Parties.
- 12. **Board Member Seat**. Promptly after the closing of the Initial Share Purchase, the Company's Board of Directors shall elect a candidate, designated by Purchaser, to serve as a member of the Company's Board of Directors.
- 13. **No Other Special Rights.** Nothing in this Agreement shall affect in any manner whatsoever the right or power of the Company to negotiate, or to decline to negotiate, any contractual relationship with Purchaser, nor the right or power of Purchaser to negotiate, or to decline to negotiate, any contractual relationship with the Company.

## 14. Miscellaneous.

- (a) <u>Governing Law</u>. This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law.
- (b) Entire Agreement; Enforcement of Rights. This Agreement sets forth the entire agreement and understanding of the parties relating to the subject matter herein and merges all prior discussions between them with regard to such subject matter. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.
- (c) <u>Severability</u>. If any provision of this Agreement is prohibited by law or otherwise determined to be invalid or unenforceable by a court of competent jurisdiction, such provision shall be deemed amended to apply to the broadest extent that it would be valid and enforceable, and the invalidity or unenforceability of such provision shall not affect the validity of the remaining provisions of this Agreement so long as this Agreement as so modified continues to express, without material change, the original intentions of the parties as to the subject matter hereof. The parties will endeavor in good faith negotiations to replace the prohibited, invalid or unenforceable provision(s) with a valid provision(s), the effect of which comes as close as possible to that of the prohibited, invalid or unenforceable provision(s).
- (d) <u>Construction</u>. This Agreement is the result of negotiations between and has been reviewed by both of the parties hereto and their respective counsel, if any; accordingly, this Agreement shall be deemed to be the product of both of the parties hereto, and no ambiguity shall be construed in favor of or against either one of the parties hereto.
- (e) <u>Notices</u>. Any notice required or permitted by this Agreement shall be in writing and shall be deemed sufficient when delivered personally or sent and confirmed by fax or 48 hours after being deposited in the U.S. mail, as certified or registered mail, with postage prepaid, and addressed to the party to be notified at such party's address or fax number as set forth below or as subsequently modified by written notice.
- (f) <u>Counterparts</u>. This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one instrument.

The parties have executed this Stock Purchase Agreement as of the Effective Date.

## **COMPANY:**

CYTORI THERAPEUTICS, INC.

By: <u>/s/ Christopher J. Calhoun</u> Christopher J. Calhoun

Title: Chief Executive Officer

Address: 3020 Callan Road San Diego, CA 92121

Fax: US 858-458-0994

Date: October 29, 2013

## **PURCHASER:**

LOREM VASCULAR PTY. LTD.

By: <u>/s/ Kian Thiam Lim</u> Kian Thiam Lim

Title: Director

Address: Level 12, 2 Queen Street Melbourne 3000 Australia

DLA Piper LLP (US) 4365 Executive Drive, Suite 1100 San Diego, California 92121-2133 www.dlapiper.com

T 858.677.1400 F 858.677.1401

November 19, 2013

Cytori Therapeutics, Inc. 3020 Callan Road San Diego, California 92121

Ladies and Gentlemen:

We have acted as counsel to Cytori Therapeutics, Inc., a Delaware corporation (the "Company"), in connection with its filing on the date hereof with the Securities and Exchange Commission (the "Commission") of a registration statement on Form S-3 (as amended, the "Registration Statement"), including a base prospectus (the "Base Prospectus"), which provides that it will be supplemented by one or more prospectus supplements (each such prospectus supplement, together with the Base Prospectus, a "Prospectus"), under the Securities Act of 1933, as amended (the "Act"), relating to the registration of up to an aggregate of 8,000,000 shares of the Company's common stock, \$0.001 par value per share ("Common Stock"), to be sold from time to time by the selling stockholder named in the Registration Statement (the "Shares").

This opinion is being furnished in connection with the requirements of Item 601(b)(5) of Regulation S-K under the Act, and no opinion is expressed herein as to any matter pertaining to the contents of the Registration Statement or related applicable Prospectus, other than as expressly stated herein with respect to the issue of the Shares.

As such counsel, we have examined such matters of fact and questions of law as we have considered appropriate for purposes of this letter. With your consent, we have relied upon certificates and other assurances of officers of the Company and others as to factual matters without having independently verified such factual matters. We are opining herein as to the General Corporation Law of the State of Delaware, and we express no opinion with respect to the applicability thereto, or the effect thereon, of the laws of any other jurisdiction or, in the case of Delaware, any other laws, or as to any matters of municipal law or the laws of any local agencies within any state.

Subject to the foregoing and the other matters set forth herein, it is our opinion that, as of the date hereof, the Shares have been duly authorized by all necessary corporate action of the Company and, upon issuance, delivery and payment therefor in an amount not less than the par value, will be validly issued, fully paid and nonassessable.

This opinion is for your benefit in connection with the Registration Statement and may be relied upon by you and by persons entitled to rely upon it pursuant to the applicable provisions of the Act. We consent to your filing this opinion as an exhibit to the Registration Statement and to the reference to our firm contained in the Prospectus under the heading "Legal Matters." In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission thereunder

Very truly yours,

/s/ DLA Piper LLP (US)

DLA Piper LLP (US)

## **Consent of Independent Registered Public Accounting Firm**

The Board of Directors Cytori Therapeutics, Inc.:

We consent to the use of our reports with respect to the consolidated financial statements, the accompanying schedule of valuation and qualifying accounts and the effectiveness of internal control over financial reporting incorporated by reference herein and to the reference to our firm under the heading "Experts" in the prospectus.

/s/ KPMG LLP

San Diego, California November 18, 2013