STEMLINE THERAPEUTICS INC Form 424B5 January 19, 2017

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The information contained in this preliminary prospectus supplement and the accompanying prospectus is not complete and may be changed. A registration statement relating to the securities has been declared effective by the Securities and Exchange Commission. This preliminary prospectus supplement and the accompanying prospectus are not an offer to sell these securities and are not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED JANUARY 19, 2017

### PRELIMINARY PROSPECTUS SUPPLEMENT

(to Prospectus dated February 12, 2014)

Filed pursuant to rule 424(b)(5) Registration No. 333-193726

### Shares

### Common Stock

We are offering shares of our common stock in this offering.

Our common stock is listed on The NASDAQ Capital Market under the symbol "STML." On January 18, 2017, the last reported sale price of our common stock on The NASDAQ Capital Market was \$11.70 per share.

We are an "emerging growth company" as that term is used in the Jumpstart Our Business Startups Act of 2012, and, as such, we elected to comply with certain reduced public company reporting requirements.

Investing in our common stock involves a high degree of risk. See "Risk Factors" beginning on page S-6 of this prospectus supplement and in the documents incorporated by reference into this prospectus supplement.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus supplement or the accompanying prospectus. Any representation to the contrary is a criminal offense.

	PER SHARE	T	OTAL
Public offering price	\$	\$	
Underwriting discounts and commissions	\$	\$	
Proceeds to Stemline, before expenses	\$	\$	

Delivery of the shares of common stock is expected to be made on or about

, 2017. We have granted the underwriters an

total underwriting discounts and commissions payable by us will be \$

, and the total proceeds to us, before expenses will be \$

# **Jefferies**

Prospectus Supplement dated

, 2017

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You should rely only on the information contained in or incorporated by reference in this prospectus supplement, the accompanying prospectus and in any free writing prospectus that we have authorized for use in connection with this offering. We have not, and the underwriters have not, authorized anyone to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not, and the underwriters are not, making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus supplement, the accompanying prospectus, the documents incorporated by reference in this prospectus supplement and the accompanying prospectus, and in any free writing prospectus that we have authorized for use in connection with this offering, is accurate only as of the date of those respective documents. Our business, financial condition, results of operations and prospects may have changed since those dates. You should read this prospectus supplement, the accompanying prospectus, the documents incorporated by reference in this prospectus supplement and the accompanying prospectus, and any free writing prospectus that we have authorized for use in connection with this offering, in their entirety before making an investment decision. You should also read and consider the information in the documents to which we have referred you in the sections of this prospectus supplement entitled "Where You Can Find More Information" and "Incorporation of Certain Information by Reference."

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### ABOUT THIS PROSPECTUS SUPPLEMENT

This document is in two parts. The first part is this prospectus supplement, which describes the specific terms of this offering of common stock and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference in this prospectus supplement and the accompanying prospectus. The second part, the accompanying prospectus, dated February 12, 2014, provides more general information, some of which may not apply to this offering. Generally, when we refer to this prospectus supplement, we are referring to both parts of this document combined. To the extent there is a conflict between the information contained in this prospectus supplement and the information contained in the accompanying prospectus or any document incorporated by reference that was filed with the U.S. Securities and Exchange Commission (SEC) before the date of this prospectus supplement, you should rely on the information in this prospectus supplement; provided that if any statement in one of these documents is inconsistent with a statement in another document having a later date for example, a document incorporated by reference in the accompanying prospectus the statement in the document having the later date modifies or supersedes the earlier statement.

We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference herein were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreements, and should not be deemed to be a representation, warranty or covenant to you. Moreover, such representations, warranties or covenants were accurate only as of the date when made. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of our affairs.

We are offering to sell, and seeking offers to buy, shares of our common stock only in jurisdictions where offers and sales are permitted. The distribution of this prospectus supplement and the accompanying prospectus and the offering of the common stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus supplement and the accompanying prospectus must inform themselves about, and observe any restrictions relating to, the offering of the common stock and the distribution of this prospectus supplement and the accompanying prospectus outside the United States. This prospectus supplement and the accompanying prospectus do not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any securities offered by this prospectus supplement and the accompanying prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

Unless otherwise stated, all references in this prospectus supplement to "we," "us," "our," "Stemline," the "Company" and similar designations refer to Stemline Therapeutics, Inc. This prospectus supplement contains trademarks and trade names of Stemline Therapeutics, Inc., including our name and logo. Other service marks, trademarks and trade names referred to in this document are the property of their respective owners.

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#### PROSPECTUS SUPPLEMENT SUMMARY

This summary highlights information contained elsewhere or incorporated by reference in this prospectus supplement and the accompanying prospectus and in the documents we incorporate by reference. This summary does not contain all of the information that you should consider before deciding to invest in our common stock. You should read this entire prospectus supplement and the accompanying prospectus carefully, including the "Risk factors" section contained in this prospectus supplement, the "Risk Factor" Sections contained in the documents incorporated by reference herein, and our consolidated financial statements and the related notes and the other documents incorporated by reference herein, before making an investment decision.

### Overview

We are a clinical stage biopharmaceutical company focused on discovering, acquiring, developing and commercializing proprietary oncology therapeutics. We are currently developing three clinical stage product candidates, SL-401, SL-801, and SL-701.

### **Recent Developments**

On January 5, 2017, we announced an agreement with the U.S. Food and Drug Administration, or FDA, on the registration pathway for SL-401 in blastic plasmacytoid dendritic cell neoplasm, or BPDCN. To support the filing of a Biologics License Application, or BLA, for full approval in first-line BPDCN, we are currently enrolling an additional small patient cohort, into our ongoing Phase 2 trial. This cohort is expected to enroll between 8-12 first-line BPDCN patients. To date, approximately half of these new patients have been enrolled into the study.

On December 31, 2016 and September 30, 2016, we had cash, cash equivalents, short-term investments and long-term investments of approximately \$67.6 million and \$74.3 million, as compared to \$97.5 million and \$104.0 million, as of December 31, 2015 and September 30, 2015, respectively.

### **SL-401**

Patients are currently enrolling in SL-401 clinical trials in multiple indications, including a potentially pivotal Phase 2 trial in patients with BPDCN. SL-401 as a single agent is also being advanced through clinical trials in myeloproliferative neoplasms, or MPN, and acute myeloid leukemia, or AML. In addition, SL-401 is being evaluated in combination with certain traditional therapies in a Phase 1/2 trial in patients with relapsed or refractory, or r/r, multiple myeloma.

SL-401 is a targeted therapy directed to the interleukin-3 receptor, or IL-3R (CD123). CD123 is present on a wide range of hematologic cancers including BPDCN, certain MPNs, AML, multiple myeloma, hairy cell leukemia, myelodysplastic syndrome, or MDS, chronic myeloid leukemia, or CML, and other myeloid and lymphoid malignancies. SL-401 has demonstrated anti-tumor activity against a wide range of hematologic cancers in *in vitro* and *in vivo* preclinical models, including BPDCN, MPN, AML, multiple myeloma, CML, and other leukemic and lymphoid malignancies.

Previously, SL-401 was evaluated in an investigator-sponsored Phase 1/2 clinical trial in patients with advanced hematologic cancers; a trial which has since completed. In this trial, SL-401 was administered via daily intravenous infusion for up to five days, for only a single cycle, and demonstrated a manageable safety profile and anti-tumor activity, including complete responses, or CRs, largely in BPDCN but also in r/r AML (Frankel et al. Blood 124, 2014; ASH 2013 Poster #2682; ASH 2015 Poster #3795).

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Currently, we are enrolling patients in the following corporate-sponsored SL-401 clinical trials in which SL-401 is administered in a multi-cycle regimen (via daily intravenous infusion for up to five days, repeated every 3-4 weeks):

- §
  A Phase 2 potentially pivotal trial in patients with BPDCN;
- §
  A Phase 2 trial in patients with advanced, high-risk MPNs;
- §
  A Phase 2 trial in patients with AML in CR with minimal residual disease, or MRD; and
- §
  A Phase 1/2 trial, in combination with pomalidomide and dexamethasone, in patients with r/r multiple myeloma.

SL-401 was granted BTD by the FDA in August 2016. In addition, SL-401 was granted Orphan Drug Designation for the treatment of BPDCN and AML from both the FDA and the European Medicines Agency, or EMA.

#### SL-401 in BPDCN

Patients are currently enrolling into our ongoing, potentially pivotal Phase 2 trial of SL-401 in BPDCN. The trial is a single arm, open-label, multicenter study. The trial consists of a lead-in, dose escalation stage that included BPDCN and relapsed/refractory AML patients (Stage 1) followed by an expansion stage of BPDCN patients only (Stage 2) that utilizes the dose and regimen determined in Stage 1. Both Stage 1 and Stage 2 have completed enrollment.

To support a BLA filing for full approval in first-line BPDCN, Stemline is currently enrolling first-line BPDCN patients in an additional cohort (Stage 3) that is expected to enroll between 8-12 first-line BPDCN patients.

During 2016, our academic investigators delivered oral presentations on the SL-401 Phase 2 clinical data in BPDCN at the annual meetings of the American Society of Clinical Oncology, or ASCO, in Chicago, Illinois, the European Hematology Association, or EHA, in Copenhagen, Denmark, and the American Society of Hematology, or ASH, in San Diego, California.

As of the 2016 ASH annual meeting, 32 adult BPDCN patients received SL-401 in a multi-cycle regimen. SL-401's safety profile has continued to remain predictable and manageable over increasing treatment duration, drug exposure, and patient experience. In first-line patients who received SL-401 at the recommended dose of 12 ug/kg/day, the ORR was 100% (16/16) with a CR rate of 81% (13/16). In relapsed/refractory patients, the ORR was 69% (9/13) with a CR rate of 31% (4/13). Across all lines and all doses, ORR was 84% (27/32) with CR rate of 56% (18/32). CRs include clinical complete responses, or CRc, defined as a CR in non-skin organs with gross reduction in cutaneous lesions and residual microscopic skin disease, and CRi, defined as CR with incomplete hematologic recovery. 69% (11/16) first-line patients who received SL-401 at 12 ug/kg/day were progression-free (range: 1+ to 20+ months, ongoing), including 5 patients receiving ongoing SL-401 (range: 1+ to 15+ months, ongoing) and 6 patients who were successfully bridged to stem cell transplant, or SCT (progression-free range from first SL-401 dose: 5+ to 20+ months, ongoing). 46% (6/13) relapsed/refractory patients were progression-free (range: 1+ to 8+ months, ongoing), including 5 patients receiving ongoing SL-401 (range: 1+ to 4+ months, ongoing) and 1 patient who was successfully bridged to SCT (progression-free from first SL-401 dose: 8+ months, ongoing). Progression-free survival, or PFS, and overall survival, or OS, data continue to trend favorably and patients continue to be followed.

### SL-401 in high-risk myeloproliferative neoplasms

We are currently enrolling patients with certain advanced, high-risk myeloproliferative neoplasm, or MPNs, including chronic myelomonocytic leukemia, or CMML, myelofibrosis, systemic mastocytosis, and primary eosinophilic disorders, in a single arm, open-label, multicenter Phase 2 clinical trial. This trial has a lead-in dose escalation stage (Stage 1) and an expansion stage (Stage 2) designed to enroll patients at the dose and regimen determined by Stage 1. The objectives of this clinical study are to determine 1) safety and

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optimal dose in this indication, and 2) signals of clinical activity. Stage 1 of this trial has been completed and enrollment in Stage 2 is ongoing.

### SL-401 in AML in remission with high relapse risk including minimal residual disease

We are currently enrolling AML patients in CR with minimal residual disease, or MRD, in a single arm, open-label, multicenter Phase 2 clinical trial. This trial has a lead-in dose escalation stage (Stage 1) and an expansion stage (Stage 2) designed to enroll patients at the dose and regimen determined by Stage 1. The objectives of the clinical study are to determine 1) safety and optimal dose in this indication, 2) signals of clinical activity which includes SL-401's potential ability to lessen MRD burden, and 3) whether CR duration can be extended by SL-401 relative to historical data. Stage 1 of the trial has been completed and enrollment in Stage 2 is ongoing.

### SL-401 in combination with pomalidomide and dexamethasone in relapsed/refractory multiple myeloma

We are currently enrolling patients in a single arm, open-label, multicenter Phase 1/2 clinical trial evaluating SL-401 in combination with pomalidomide and dexamethasone in r/r multiple myeloma patients. This trial has a lead-in dose escalation stage (Stage 1) and an expansion stage (Stage 2) designed to enroll patients at the dose and regimen determined by Stage 1. The objectives of the clinical study are to determine 1) the safety and optimal dose of SL-401 when administered in combination with pomalidomide and dexamethasone and 2) signals of clinical activity. The trial is currently enrolling patients in Stage 1.

### Additional planned Phase 1/2 trials of SL-401

We are planning additional Phase 1/2 trials of SL-401 in a variety of other indications.

### **SL-801**

SL-801 is a structurally novel, oral, small molecule, reversible inhibitor of Exportin-1, or XPO1, a tumor-promoting nuclear transport protein. XPO1 has been shown to regulate nuclear import and export of certain tumor suppressor proteins and oncogenic cell growth regulators, and is overexpressed by multiple cancer types. Inhibition of XPO1 has been shown to restore tumor suppressor function and proper cell cycle regulation, leading to death of cancer cells in preclinical models. Clinically, we believe that data indicate XPO1 is a validated target in a variety of solid and hematological cancers. SL-801 has demonstrated potent preclinical *in vitro* and *in vivo* antitumor activity against a wide array of solid and hematologic cancers. Moreover, we believe that by virtue of its relatively reversible inhibition of XPO1, SL-801 may possess a favorable therapeutic window in the clinic.

### SL-801 Phase 1 in Advanced Solid Tumors

We are currently enrolling patients with advanced solid tumors in a Phase 1, dose escalation trial of SL-801. We have cleared the first four dosing cohorts without any dose limiting toxicities, and the fifth cohort is currently open for enrollment. The trial is designed to evaluate safety, establish an effective dosing regimen, and identify potential initial signals of efficacy. We also plan to initiate a Phase 1 trial in patients with advanced hematologic cancers in the future.

### **SL-701**

SL-701 is an immunotherapy designed to activate the immune system to attack brain cancer and potentially other malignancies. SL-701 is comprised of several synthetic peptides that correspond to targets on brain cancer cells and other malignancies, including IL-13R $\alpha$ 2, EphA2, and survivin. Two of these peptides are novel mutants, corresponding to IL-13R $\alpha$ 2 and survivin, artificially designed to be potentially immunogenic to amplify the anti-tumor immune response.

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In several completed investigator-sponsored Phase 1/2 clinical trials, which enrolled approximately 70 patients, an earlier version of this therapy, delivered with an immunostimulant, poly-ICLC, an agonist of toll-like receptor 3, or TLR3, shown to activate NK cells and CD8+ T cells, demonstrated anti-tumor activity, including several tumor shrinkages and disease stabilizations in adult and pediatric patients with high grade glioma, including glioblastoma, or GBM (Okada. J Clin Oncol. 2011, ASCO 2011 Poster#2506, AACR 2012 Poster#LB-135).

SL-701 has been granted Orphan Drug Designation by the FDA for the treatment of glioma.

#### SL-701 Phase 2 in Second Line GBM

Our corporate-sponsored Phase 2 trial consists of 2 stages (Stage 1 and Stage 2), both of which are now fully enrolled. In Stage 1, SL-701 was administered via subcutaneous injection as a single agent along with two immunostimulants (GM-CSF and imiquimod). In Stage 2, SL-701 was administered via subcutaneous injection in combination with bevacizumab and the immunostimulant poly-ICLC. Preliminary data from this trial were delivered via oral presentation by our principal investigator at the annual meeting of the Society of Neuro-Oncology, or SNO, in November 2016. Data indicated that SL-701 was well-tolerated, and demonstrated evidence of clinical activity as both a single agent and in combination with bevacizumab, including 2 complete responses, or CRs, and 6 partial responses, or PRs, with 4 patients in remission at 6 months or greater, ongoing. The study is fully enrolled (n=74: Stage 1 (n=46) and Stage 2 (n=28; 21 evaluable), and patients on study are receiving ongoing SL-701 and being followed for response and other outcomes, including progression free and overall survival.

Further updates on the results of this study are expected later this year.

#### General

We have devoted substantially all of our resources to advancing our clinical stage candidates into and through clinical trials, formulating a clinical and regulatory development strategy, manufacturing our product candidates, developing our preclinical pipeline, fortifying our intellectual property portfolio, identifying and acquiring additional product and technology rights, providing general and administrative support for these operations, and raising capital. We have generated minimal revenues to date, have not generated any revenue from product sales, and have funded our operations primarily through public sales of common stock to our investors.

### **Company Information**

We were incorporated under the laws of the State of Delaware in August 2003. Our principal executive office is located at 750 Lexington Avenue, Eleventh Floor, New York, New York 10022 and our telephone number is (646) 502-2311.

Our website address is www.stemline.com. The information set forth on our website is not a part of this report. We will make available free of charge through our website our annual reports on Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K, and any amendments to these reports, as soon as reasonably practicable after we electronically file such material with, or furnish such material to, the Securities and Exchange Commission, or SEC. We are not including the information on our website as a part of, nor incorporating it by reference into, this report. You may read and copy any materials we file at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. You may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. Additionally, the SEC maintains a website that contains annual, quarterly, and current reports, proxy statements, and other information that issuers (including us) file electronically with the SEC. The SEC's website address is http://www.sec.gov/.

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#### THE OFFERING

Common stock offered by us Shares Common stock to be outstanding after the Shares offering We have granted the underwriters an option to purchase additional shares of common stock. This option is exercisable, in whole or in part, for a period of 30 days from Option to purchase additional shares the date of this prospectus supplement. We intend to use the net proceeds from this offering for (i) clinical, regulatory, manufacturing and, if and when approved, potential commercial activities of SL-401; (ii) clinical development of SL-801 and SL-701; (iii) research and development activities; Use of proceeds and (iv) other general corporate purposes. See "Use of Proceeds" on page S-11 of this prospectus supplement. See "Risk Factors" beginning on page S-6 and our "Risk Factors" beginning on page 28 of our Quarterly Report on Form 10-Q for the quarter ended September 30, 2016, which is incorporated by reference herein, for a discussion of factors that you should consider before Risk factors investing in our common stock. NASDAQ Capital Market symbol **STML** The number of shares of our common stock outstanding after this offering is based on 19,151,652 actual shares of our common stock outstanding as of September 30, 2016, and excludes, as of such date: § 3,147,545 shares of our common stock issuable upon the exercise of stock options outstanding as of September 30, 2016, at a weighted-average exercise price of \$8.71 per share, of which 1,319,888 shares were vested as of such date; § 99,529 shares of common stock issuable upon the exercise of warrants outstanding as of September 30, 2016, at an exercise price of \$15.00 per share; and § 835,431 shares of our common stock available for future issuance under our 2016 Equity Incentive Plan, or the 2016 Equity Plan, as of September 30, 2016. Unless otherwise indicated, all information in this prospectus supplement assumes: § no exercise of the outstanding options or warrants; and § no exercise by the underwriters of the option to purchase up to additional shares of our common stock.

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### RISK FACTORS

An investment in our common stock involves a high degree of risk. Before deciding whether to invest in our common stock, you should consider carefully the risks discussed below, together with other information in this prospectus supplement, the accompanying prospectus, the information and documents incorporated by reference and in any free writing prospectus that we have authorized for use in connection with this offering. The risks described below may not be the only ones relating to our company. Additional risks that we currently believe are immaterial or risks not currently known to us may also impair our business and operations. Our business, results of operation, financial condition, cash flow and prospects and the trading price of our common stock could be harmed as a result of any of these risks, and investors may lose all or part of their investment.

We have incurred net operating losses since our inception and anticipate that we will continue to incur substantial operating losses for the foreseeable future. We may never achieve or sustain profitability, which would depress the market price of our common stock, and could cause you to lose all or a part of your investment.

We have incurred net losses from operations from our inception through September 30, 2016 of approximately \$137.9 million. We do not know whether or when we will become profitable. To date, we have not commercialized any products or generated any revenues from product sales. Our losses have resulted principally from costs incurred in development and discovery activities. We anticipate that our operating losses will substantially increase over the next several years as we execute our plan to expand our discovery, research, development and potential commercialization activities. We believe that our existing cash, cash equivalents, short-term investments and long-term investments, will be sufficient to fund our operations and our capital expenditures for at least the next two years. If our cash is insufficient to meet future operating requirements, we will have to raise additional funds. If we are unable to obtain additional funds on terms favorable to us or at all, we may be required to cease or reduce our operating activities or sell or license to third-parties some or all of our intellectual property. If we raise additional funds by selling additional shares of our capital stock, the ownership interests of our stockholders will be diluted. If we need to raise additional funds through the sale or license of our intellectual property, we may be unable to do so on terms favorable to us, if at all. In addition, if we do not continue to meet our diligence obligations under our license agreements for our product candidates that we have in-licensed, including SL-401, SL-801 and SL-701, we will lose our rights to develop and commercialize those product candidates.

If we do not successfully develop and obtain regulatory approval for our existing and future product candidates and effectively manufacture, market and sell any product candidates that are approved, we may never generate product sales, and even if we do generate product sales, we may never achieve or sustain profitability on a quarterly or annual basis. Our failure to become and remain profitable would depress the market price of our common stock and could impair our ability to raise capital, expand our business, diversify our product offerings or continue our operations. A decline in the market price of our common stock also could cause you to lose all or a part of your investment.

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## The market price of our common stock may be highly volatile and our stockholders could incur substantial losses.

The market price of our common stock may be highly volatile, and could be subject to wide fluctuations in response to various factors, some of which are beyond our control. Since our initial public offering which occurred in January 2013, the price of our common stock has ranged from \$3.88 per share to \$47.25 per share. The stock market in general and the market for biopharmaceutical companies in particular have experienced extreme volatility that has often been unrelated to the operating performance of particular companies. The market price for our common stock may be influenced by many factors, including:

§	results from or delays of clinical trials of our product candidates, as well as results of regulatory reviews relating to the approval of our product candidates;
§	our decision to initiate a clinical trial, not to initiate a clinical trial or to terminate an existing clinical trial;
§	our dependence on third-parties, including clinical research organizations and contract manufacturing organizations, trial sites, clinical trial sponsors and clinical investigators;
§	our ability to commercialize our product candidates, if approved;
§	the results of our efforts to discover, develop, acquire or in-license additional product candidates or products;
§	new products, product candidates or new uses for existing products or technologies introduced or announced by our competitors and the timing of these introductions or announcements;
§	regulatory or legal developments in the United States and other countries;
§	our ability to maintain the license agreements for our product candidates;
§	developments or disputes concerning patent applications, issued patents or other proprietary rights;
§	the recruitment or departure of key scientific or management personnel;
§	the level of expenses related to any of our product candidates or clinical development programs;
§	actual or anticipated changes in estimates as to financial results, development timelines or recommendations by securities analysts;
§	variations in our financial results or those of companies that are perceived to be similar to us;
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sales of common stock by us or our stockholders in the future, as well as the overall trading volume of our common stock;

- § changes in the structure of healthcare payment systems;
- § market conditions in the pharmaceutical and biotechnology sectors;
- §
  general economic, industry and market conditions and other factors that may be unrelated to our operating performance or the operating performance of our competitors, including changes in market valuations of similar companies; and
- § the other factors described in this "Risk Factors" section and in our periodic reports filed with the SEC.

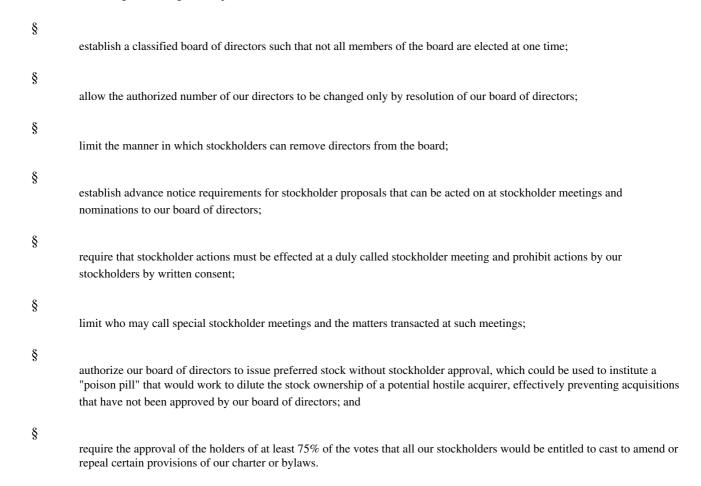
Our executive officers, directors and principal stockholders maintain the ability to exert substantial influence over all matters submitted to stockholders for approval.

Our executive officers, directors and principal stockholders beneficially own shares representing approximately 42.9% of our outstanding capital stock. As a result, if these stockholders were to choose to act together, they would be able to exert substantial influence over all matters submitted to our stockholders for approval, as well as our management and affairs. For example, these persons, if they choose to act together, would exert substantial influence over the election of directors and approval of any merger, consolidation or sale of all or substantially all of our assets. This concentration of voting power could delay or prevent an acquisition of our company on terms that other stockholders may desire.

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Provisions in our corporate charter documents and under Delaware law could make an acquisition of us, which may be beneficial to our stockholders, more difficult and may prevent attempts by our stockholders to replace or remove our current management.

Provisions in our corporate charter and our bylaws may discourage, delay or prevent a merger, acquisition or other change in control of us that stockholders may consider favorable, including transactions in which they might otherwise receive a premium for their shares. These provisions could also limit the price that investors might be willing to pay in the future for shares of our common stock, thereby depressing the market price of our common stock. Among other things, these provisions:



Moreover, because we are incorporated in Delaware, we are governed by the provisions of Section 203 of the Delaware General Corporation Law, which prohibits a person who owns in excess of 15% of our outstanding voting stock from merging or combining with us for a period of three years after the date of the transaction in which the person acquired in excess of 15% of our outstanding voting stock, unless the merger or combination is approved in a prescribed manner. Any provision in our corporate charter or our bylaws or Delaware law that has the effect of delaying or deterring a change in control could limit the opportunity for our stockholders to receive a premium for their shares of our common stock, and could also affect the price that some investors are willing to pay for our common stock.

### We have broad discretion in the use of net proceeds from this offering and may not use them effectively.

We intend to use the net proceeds from this offering for (i) clinical, regulatory, manufacturing and potential commercial activities of SL-401; (ii) clinical development of SL-801 and SL-701; (iii) research and development activities; and (iv) other general corporate purposes.

### If you purchase shares of common stock in this offering, you will suffer immediate dilution in the book value of your shares.

The offering price of our common stock is substantially higher than the net tangible book value per share of our common stock. Therefore, if you purchase shares of our common stock in this offering, you will pay a price per share that substantially exceeds our net tangible book value per share after this offering. To the extent outstanding options or warrants are exercised, you will incur further dilution. If you purchase shares in this offering, you will experience immediate dilution of \$ per share, representing the difference between our as adjusted net tangible

book value per share after giving effect to this offering. For a further description of the dilution that you will experience immediately after this offering, see "Dilution" elsewhere in this prospectus supplement.

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### SPECIAL CAUTIONARY NOTICE REGARDING FORWARD-LOOKING STATEMENTS

Certain matters discussed in this prospectus supplement and the accompanying prospectus, including matters discussed under the caption "Management's Discussion and Analysis of Financial Condition and Results of Operations," incorporated by reference herein, may constitute forward-looking statements for purposes of the Securities Act of 1933, as amended, or the Securities Act, and the Securities Exchange Act of 1934, as amended, or the Exchange Act, and involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from the future results, performance or achievements expressed or implied by such forward-looking statements. The words "anticipate," "believe," "estimate," "may," "expect" and similar expressions are generally intended to identify forward-looking statements. Our actual results may differ materially from the results anticipated in these forward-looking statements due to a variety of factors, including, without limitation, those discussed under the captions "Risk factors," "Management's Discussion and Analysis of Financial Condition and Results of Operations" and elsewhere in this prospectus supplement and the documents incorporated by reference herein, as well as other factors which may be identified from time to time in our other filings with the SEC, or in the documents where such forward-looking statements appear. All written or oral forward-looking statements attributable to us are expressly qualified in their entirety by these cautionary statements.

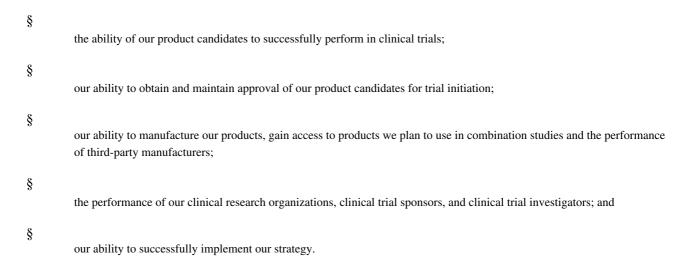
Some of the factors that we believe could cause actual results to differ from those anticipated or predicted include:

§	the success and timing of our clinical trials, including safety and efficacy of our product candidates and patient accrual, and the accuracy of data generated from our trials;
§	our ability to obtain and maintain marketing approval from regulatory agencies for our products;
§	our ability to obtain and maintain adequate reimbursement for our products;
§	our ability to obtain the desired labeling of our products under any regulatory approval;
§	our plans to develop and commercialize our products;
§	our ability to successfully file and obtain timely marketing approval for one or more Biologics License Applications, or BLA, or New Drug Applications, or NDA;
§	the successful development and implementation of our sales and marketing campaigns;
§	the loss of key scientific or management personnel;
§	the size and growth of the potential markets for our product candidates and our ability to serve those markets;
§	our ability to successfully compete in the potential markets for our product candidates, if commercialized;
§	regulatory developments in the United States and foreign countries;
8	

the rate and degree of market acceptance of any of our product candidates;

	S-9
§	the success and timing of our preclinical studies including IND enabling studies;
§	our ability to maintain the license agreements for SL-401, SL-801, SL-701 and our other in-licensed product candidates;
§	our ability to obtain and maintain intellectual property protection for our product candidates;
§	our ability to obtain additional funding;
§	the accuracy of our estimates regarding expenses, future revenues, capital requirements and needs for additional financing
§	our available cash and investments;
§	market conditions in the pharmaceutical and biotechnology sectors;
8	new products, product candidates or new uses for existing products or technologies introduced or announced by our competitors and the timing of these introductions or announcements;

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The forward-looking statements contained in this prospectus supplement and the accompanying prospectus reflect our views and assumptions only as of the date of this prospectus supplement. Except as required by law, we assume no responsibility for updating any forward-looking statements.

We qualify all of our forward-looking statements by these cautionary statements. In addition, with respect to all of our forward-looking statements, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995.

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### **USE OF PROCEEDS**

We estimate that the net proceeds from our issuance and sale of shares of our common stock in this offering will be approximately million, after deducting underwriting discounts and commissions and estimated offering expenses payable by us. If the underwriters exercise the option to purchase an additional shares of our common stock in full, we estimate that the net proceeds from this offering will be approximately million, after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

We intend to use the net proceeds from this offering for (i) clinical, regulatory, manufacturing and, if and when approved, potential commercial activities of SL-401; (ii) clinical development of SL-801 and SL-701; (iii) research and development activities; and (iv) other general corporate purposes, as follows:

- **SL-401.** We are currently advancing SL-401 through a pivotal trial in BPDCN, and if successful, plan to commercialize SL-401. We are also currently advancing SL-401 in other indications including myeloproliferative neoplasms, AML, and multiple myeloma. We also plan to initiate additional clinical trials with SL-401 as a single agent and/or in combination in other cancers.
- §
  SL-801. We are enrolling patients with advanced solid tumors in a Phase 1 dose escalation trial. We are also planning a Phase 1 trial in advanced hematological cancers.
- §

  SL-701. We have completed enrollment in the SL-701 Phase 2 trial in second-line GBM and plan to continue to follow patients on study for outcomes including response rate, and progression free and overall survival.
- § We will continue to be opportunistic and evaluate assets in an effort to expand our clinical and preclinical pipeline via strategic acquisitions and licensing.
- The remaining proceeds will be used for general corporate purposes.

This expected use of the net proceeds from this offering represents our intentions based upon our current plans and business conditions. The amounts and timing of our actual expenditures may vary significantly depending on numerous factors, including the progress of our development efforts, the status of and results from clinical trials, as well as any collaborations that we may enter into with third parties for our product candidates, and any unforeseen cash needs. As a result, our management will retain broad discretion over the allocation of the net proceeds from this offering.

Pending our use of the net proceeds from this offering, we intend to invest the net proceeds in a variety of capital preservation investments, including short-term, investment grade, interest bearing instruments and U.S. government securities.

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### PRICE RANGE OF COMMON STOCK

Our common stock is listed on The NASDAQ Capital Market under the symbol "STML" and has been publicly traded since January 29, 2013. Prior to that time, there was no public market for our common stock. As a result, we have not set forth quarterly information with respect to the high and low sales prices for our common stock for such period.

As of January 18, 2017, the last sale price of our common stock was \$11.70, as reported by The NASDAQ Capital Market. There were approximately 241 holders of record of our common stock as of that date.

The following table sets forth the ranges of high and low sales price per share of our common stock as reported on The NASDAQ Capital Market for the period indicated.

	Н	igh	]	Low
2015				
First Quarter		18.94		12.77
Second Quarter		17.02		11.38
Third Quarter		13.24		8.31
Fourth Quarter		9.92		5.88
2016				
First Quarter		6.50		3.88
Second Quarter		9.66		4.62
Third Quarter		11.29		6.40
Fourth Quarter		14.60		10.08
2017				
First Quarter through January 18, 2017	\$	14.25	\$	10.45

### Dividend policy

We have never declared or paid any cash dividends on our common stock and do not anticipate paying any cash dividends in the foreseeable future. Any future determination to pay dividends will be at the discretion of our board of directors.

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### **CAPITALIZATION**

The following table sets forth our capitalization as of September 30, 2016:

§ on an actual basis; and

on an as adjusted basis to reflect the sale of the shares of common stock offered by us in this offering (assuming no exercise of the underwriters' option to purchase additional shares) after deducting underwriting discounts and commissions and estimated offering expenses payable by us.

You should read this table together with our financial statements and related notes and the "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K for the year ended December 31, 2015.

September 30, 2016 (unaudited)		
(in thousands, except share data)	Actual	As Adjusted
Cash, cash equivalents, short-term investments and long-term investments	\$ 74,321,773	
Stockholders' equity:		
Preferred stock, \$0.0001 par value per share, 5,000,000 shares authorized; none issued and outstanding, actual and as adjusted		
Common stock, \$0.0001 par value per share, 33,750,000 shares authorized; 19,151,652 shares actual and shares as adjusted, issued; 19,151,652 shares actual and shares as adjusted,		
issued and outstanding	1,916	
Additional paid-in capital	191,584,735	
Accumulated other comprehensive loss	(47,512)	
Accumulated deficit	(125,733,511)	
Total stockholders' equity	65,805,628	
Total capitalization	\$ 65,805,628	

The table above excludes the following shares as of September 30, 2016:

§
3,147,545 shares of common stock issuable upon the exercise of stock options outstanding as of September 30, 2016, with a weighted average exercise price of \$8.71 per share; and

an aggregate of 835,431 shares of common stock reserved for future issuance under our stock option and incentive plans.

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### **DILUTION**

If you invest in our common stock in this offering, your ownership interest will be diluted immediately to the extent of the difference between the offering price per share of our common stock and the as adjusted net tangible book value per share of our common stock after the offering.

Our historical net tangible book value as of September 30, 2016 was \$65.8 million, or \$3.44 per share of our common stock. Historical net tangible book value per share represents the amount of our total tangible assets less total liabilities, divided by the number of shares of our common stock outstanding.

After giving effect to the sale of shares of common stock by us, at a public offering price of \$ per share, less the underwriting discounts and commissions and estimated offering expenses payable by us, our as adjusted net tangible book value as of September 30, 2016 would have been \$ million, or \$ per share. This represents an immediate increase in net tangible book value per share of \$ to existing stockholders and immediate dilution of \$ in as adjusted net tangible book value per share to new investors purchasing common stock in this offering.

Dilution per share to new investors is determined by subtracting as adjusted net tangible book value per share after this offering from the offering price per share paid by new investors. The following table illustrates this dilution on a per share basis.

Assumed Offering Price Per Share		\$
Historical Net Tangible Book Value Per Share as of September 30, 2016	\$ 3.44	
Increase in Net Tangible Book Value Per Share Attributable to New Investors		
As Adjusted Net Tangible Book Value Per Share After the Offering		
Dilution Don Change to Non-Lorenteen		\$
Dilution Per Share to New Investors		\$

If the underwriters exercise their option to purchase additional shares or if any additional shares are issued in connection with outstanding options, you will experience further dilution.

The table above excludes the following shares as of September 30, 2016:

- §
  3,147,545 shares of common stock issuable upon the exercise of stock options outstanding as of September 30, 2016, with a weighted average exercise price of \$8.71 per share; and
- § an aggregate of 835,431 shares of common stock reserved for future issuance under our stock option and incentive plans.

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### MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES TO NON-U.S. HOLDERS

The following is a summary of the material United States federal income tax consequences relating to the acquisition, ownership and disposition of our common stock as of the date hereof. Except where noted, this summary deals only with our common stock that is held as a capital asset (within the meaning of Section 1221 of the Internal Revenue Code of 1986, as amended (the "Code") by a "non-U.S. holder" (as defined below).

For purposes of this summary, a "non-U.S. holder" means a beneficial owner of our common stock (other than a partnership or any other entity treated as a partnership for United States federal income tax purposes) that is not for United States federal income tax purposes any of the following:

§ an individual citizen or resident of the United States;

§
a corporation (or any other entity treated as a corporation for United States federal income tax purposes) created or organized in or under the laws of the United States, any state thereof or the District of Columbia;

§ an estate the income of which is subject to United States federal income taxation regardless of its source; or

§ a trust if it (1) is subject to the primary supervision of a court within the United States and one or more United States persons have the authority to control all substantial decisions of the trust or (2) has a valid election in effect under applicable United States Treasury regulations ("Treasury Regulations") to be treated as a United States person.

This summary is based upon provisions of the Code and Treasury Regulations, administrative rulings and judicial decisions currently in effect, all as of the date hereof and all subject to change at any time, possibly with retroactive effect, or to different interpretation by the Internal Revenue Service ("IRS"). This summary does not address all aspects of United States federal taxes and does not address any foreign, state, local or other tax considerations that may be relevant to non-U.S. holders in light of their personal circumstances. In addition, this summary does not represent a detailed description of the United States federal income tax consequences applicable to holders that are subject to special treatment under the United States federal income tax laws (including a holder that is a United States expatriate, "controlled foreign corporation," "passive foreign investment company," "real estate investment trust," "regulated investment company," dealer in securities or currencies, financial institution, tax-exempt entity, insurance company, person holding our common stock as part of a hedging, integrated, conversion or constructive sale transaction or a straddle, trader in securities that elects to use a mark-to-market method of accounting, person liable for the alternative minimum tax, person who acquired our common stock as compensation for services, or a partnership or other pass-through entity, or partner in a partnership or beneficial owner of a pass-through entity that holds our common stock for United States federal income tax purposes). We cannot provide assurance that a change in law will not alter significantly the tax considerations that we describe in this summary.

If a partnership (or other entity treated as a partnership for U.S. federal income tax purposes) holds our common stock, the tax treatment of a partner will generally depend upon the status of the partner and the activities of the partnership. Non-U.S. holders that are partners of a partnership holding our common stock should consult their tax advisors.

Non-U.S. holders considering the purchase of our common stock should consult their own tax advisors concerning the particular United States federal income and estate tax consequences of the ownership of our common stock, as well as the consequences arising under the laws of any other taxing jurisdiction.

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### Distribution on our common stock

Distributions paid on our common stock will be taxable as dividends to the extent paid out of current or accumulated earnings and profits, as determined under United States federal income tax principles. Dividends paid to a non-U.S. holder of our common stock generally will be subject to United States federal withholding tax at a 30% rate or such lower rate as may be specified by an applicable income tax treaty. However, dividends that are effectively connected with the conduct of a trade or business by the non-U.S. holder within the United States (and, if required by an applicable income tax treaty, are attributable to a United States permanent establishment) are not subject to United States federal withholding tax, provided certain certification and disclosure requirements are satisfied. Instead, such dividends are subject to United States federal income tax on a net income basis in the same manner as if the non-U.S. holder were a United States person as defined under the Code. Any such effectively connected dividends received by a foreign corporation may, under certain circumstances, be subject to an additional "branch profits tax" at a 30% rate or such lower rate as may be specified by an applicable income tax treaty.

A non-U.S. holder of our common stock who wishes to claim the benefit of an applicable treaty rate and avoid backup withholding, as discussed below, for dividends will be required (a) to complete IRS Form W-8BEN or W-8BEN-E(or other applicable form) and certify under penalty of perjury that such holder is not a "United States person" as defined under the Code and is eligible for treaty benefits or (b) if the common stock is held through certain foreign intermediaries, to satisfy the relevant certification requirements of applicable Treasury Regulations. Special certification and other requirements apply to certain non-U.S. holders that are pass-through entities rather than corporations or individuals.

A non-U.S. holder of our common stock eligible for a reduced rate of United States withholding tax pursuant to an income tax treaty may obtain a refund of any excess amounts withheld by filing an appropriate claim for refund with the IRS.

### Gain on disposition of our common stock

Any gain realized on the disposition of our common stock by a non-U.S. holder generally will not be subject to United States federal income tax unless:

- §
  the gain is effectively connected with a trade or business of the non-U.S. holder in the United States (and, if required by an applicable income tax treaty, is attributable to a United States permanent establishment of the non-U.S. holder);
- § the non-U.S. holder is an individual who is present in the United States for 183 days or more in the taxable year of that disposition, and certain other conditions are met; or
- we are or have been a "United States real property holding corporation" for United States federal income tax purposes at any time during the shorter of the five-year period ending on the date of the disposition or such non-U.S. holder's holding period for our common stock and such non-U.S. holder held (at any time during the shorter of the five-year period ending on the date of the disposition or such non-U.S. holder's holding period) more than 5% of our common stock.

An individual non-U.S. holder described in the first bullet point immediately above will be subject to tax on the net gain derived from the sale under regular graduated United States federal income tax rates. If a non-U.S. holder that is a foreign corporation falls under the first bullet point immediately above, it will be subject to tax on its net gain in the same manner as if it were a "United States person" as defined under the Code and, in addition, may, under certain circumstances, be subject to a branch profits tax equal to 30% of its effectively connected earnings and profits or at such lower rate as may be specified by an applicable income tax treaty.

We believe we have not been and are not currently a "United States real property holding corporation" for United States federal income tax purposes; however, no assurance can be given that we are not or will not become one in the future. If, however, we are or become a "United States real property holding

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corporation," so long as our common stock continues to be regularly traded on an established securities market, only a non-U.S. holder who holds, or held (at any time during the shorter of the five-year period ending on the date of disposition or the non-U.S. holder's holding period) more than 5% of our common stock will be subject to United States federal income tax on the disposition of the common stock. Non-U.S. holders should consult their own tax advisors about the consequences that could result if we are, or become, a "United States real property holding corporation."

### Information reporting and backup withholding

We must report annually to the IRS and to each non-U.S. holder the amount of dividends paid to such holder and the tax withheld with respect to such dividends, regardless of whether withholding was required. Copies of the information returns reporting such dividends and withholding may also be made available to the tax authorities in the country in which the non-U.S. holder resides under the provisions of an applicable income tax treaty.

A non-U.S. holder will be subject to backup withholding for dividends paid to such holder unless such holder certifies under penalty of perjury that it is a non-U.S. holder (and the payor does not have actual knowledge or reason to know that such holder is a "United States person" as defined under the Code), or such holder otherwise establishes an exemption.

Information reporting and, depending on the circumstances, backup withholding will apply to the proceeds of a sale of our common stock within the United States or conducted through certain United States-related financial intermediaries, unless the beneficial owner certifies under penalty of perjury that it is a non-U.S. holder (and the payor does not have actual knowledge or reason to know that the beneficial owner is a "United States person" as defined under the Code), or such owner otherwise establishes an exemption.

Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules may be allowed as a refund or a credit against a non-U.S. holder's United States federal income tax liability provided the required information is furnished to the IRS.

### **FATCA** withholding requirements

Under Section 1441 through Section 1444 of the Code and the Treasury Regulations promulgated and official guidance issued thereunder (collectively, "FATCA"), the relevant withholding agent may be required to withhold 30% of any dividends on our common stock, and on the gross proceeds from the sales of our common stock on or after January 1, 2019, in each case, to (i) a foreign financial institution unless such foreign financial institution agrees to verify, report and disclose its U.S. accountholders and meets certain other specified requirements or (ii) a non-financial foreign entity that is the beneficial owner of the payment unless such entity certifies that it does not have any substantial United States owners or provides the name, address and taxpayer identification number of each substantial United States owner and such entity meets certain other specified requirements. In certain cases, the relevant foreign financial institution or non-financial foreign entity may qualify for an exemption from, or be deemed to be in compliance with, these rules. Certain countries have entered into intergovernmental agreements with the United States that supplement and modify these rules. Non-U.S. holders should consult their own tax advisors regarding the impact of FATCA on their ownership and disposition of our common stock.

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#### UNDERWRITING

Subject to the terms and conditions set forth in the underwriting agreement, dated January , 2017, between us and Jefferies LLC, as the representative of the underwriters named below and the book-running manager of this offering, we have agreed to sell to the underwriters, and each of the underwriters has agreed, severally and not jointly, to purchase from us, the respective number of shares of common stock shown opposite its name below:

	Number of
Underwriter	Shares
Jefferies LLC	\$
Total	\$

The underwriting agreement provides that the obligations of the several underwriters are subject to certain conditions precedent such as the receipt by the underwriters of officers' certificates and legal opinions and approval of certain legal matters by their counsel. The underwriting agreement provides that the underwriters will purchase all of the shares of common stock if any of them are purchased. If an underwriter defaults, the underwriting agreement provides that the purchase commitments of the nondefaulting underwriters may be increased or the underwriting agreement may be terminated. We have agreed to indemnify the underwriters and certain of their controlling persons against certain liabilities, including liabilities under the Securities Act, and to contribute to payments that the underwriters may be required to make in respect of those liabilities.

The underwriters have advised us that, following the completion of this offering, they currently intend to make a market in the common stock as permitted by applicable laws and regulations. However, the underwriters are not obligated to do so, and the underwriters may discontinue any market-making activities at any time without notice in their sole discretion. Accordingly, no assurance can be given as to the liquidity of the trading market for the common stock, that you will be able to sell any of the common stock held by you at a particular time or that the prices that you receive when you sell will be favorable.

The underwriters are offering the shares of common stock subject to their acceptance of the shares of common stock from us and subject to prior sale. The underwriters reserve the right to withdraw, cancel or modify offers to the public and to reject orders in whole or in part. In addition, the underwriters have advised us that they do not intend to confirm sales to any account over which they exercise discretionary authority.

#### **Commission and Expenses**

The underwriters have advised us that they propose to offer the shares of common stock to the public at the initial public offering price set forth on the cover page of this prospectus supplement and to certain dealers, which may include the underwriters, at that price less a concession not in excess of \$ per share of common stock. The underwriters may allow, and certain dealers may reallow, a discount from the concession not in excess of \$ per share of common stock to certain brokers and dealers. After the offering, the initial public offering price, concession and reallowance to dealers may be reduced by the representative. No such reduction will change the amount of proceeds to be received by us as set forth on the cover page of this prospectus supplement.

The following table shows the public offering price, the underwriting discounts and commissions that we are to pay the underwriters and the proceeds, before expenses, to us in connection with this offering. Such

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amounts are shown assuming both no exercise and full exercise of the underwriters' option to purchase additional shares.

	Per S	Share	Total			
	Without Option to Purchase Additional Shares	With Option to Purchase Additional Shares	Without Option to Purchase Additional Shares	With Option to Purchase Additional Shares		
Public offering price	\$	\$	\$	\$		
Underwriting discounts and commissions						
paid by us	\$	\$	\$	\$		
Proceeds to us, before expenses	\$	\$	\$	\$		

We estimate expenses payable by us in connection with this offering, other than the underwriting discounts and commissions referred to above, will be approximately \$ .

#### Listing

Our common stock is listed on The NASDAQ Capital Market under the symbol "STML."

#### **Stamp Taxes**

If you purchase shares of common stock offered in this prospectus supplement, you may be required to pay stamp taxes and other charges under the laws and practices of the country of purchase, in addition to the offering price listed on the cover page of this prospectus supplement.

### **Option to Purchase Additional Shares**

We have granted to the underwriters an option, exercisable for 30 days from the closing date, to purchase, from time to time, in whole or in part, up to an aggregate of shares from us at the public offering price set forth on the cover page of this prospectus supplement, less underwriting discounts and commissions. If the underwriters exercise this option, each underwriter will be obligated, subject to specified conditions, to purchase a number of additional shares proportionate to that underwriters' initial purchase commitment as indicated in the table above. This option may be exercised only if the underwriters sell more shares than the total number set forth on the cover page of this prospectus supplement.

#### No Sales of Similar Securities

We and our officers and directors have entered into lock-up agreements with the underwriters. Under these agreements, we and these other individuals have agreed, subject to specified exceptions, not to sell or transfer any common stock or securities convertible into, or exchangeable or exercisable for, common stock, during a period ending 90 days after the date of this prospectus, without first obtaining the written consent of representatives of the underwriters.

Specifically, subject to specified exceptions, we and these other individuals have agreed not to:

§

offer, pledge, sell or contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of common stock or any securities convertible into or exercisable or exchangeable for common stock;

§ enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the common stock, whether any such transaction described above is to be settled by delivery of common stock or other securities, in cash or otherwise;

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- make any demand for or exercise any right with respect to the registration of any shares of our common stock or any securities convertible into or exchangeable or exercisable for shares of our common stock; or
- § publicly announce an intention to do any of the foregoing.

#### Stabilization

The underwriters have advised us that they, pursuant to Regulation M under the Securities Exchange Act of 1934, as amended, and certain persons participating in the offering may engage in short sale transactions, stabilizing transactions, syndicate covering transactions or the imposition of penalty bids in connection with this offering. These activities may have the effect of stabilizing or maintaining the market price of the common stock at a level above that which might otherwise prevail in the open market. Establishing short sales positions may involve either "covered" short sales or "naked" short sales.

"Covered" short sales are sales made in an amount not greater than the underwriters' option to purchase additional shares of our common stock in this offering. The underwriters may close out any covered short position by either exercising their option to purchase additional shares of our common stock or purchasing shares of our common stock in the open market. In determining the source of shares to close out the covered short position, the underwriters will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the option to purchase additional shares.

"Naked" short sales are sales in excess of the option to purchase additional shares of our common stock. The underwriters must close out any naked short position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the shares of our common stock in the open market after pricing that could adversely affect investors who purchase in this offering.

A stabilizing bid is a bid for the purchase of shares of common stock on behalf of the underwriters for the purpose of fixing or maintaining the price of the common stock. A syndicate covering transaction is the bid for or the purchase of shares of common stock on behalf of the underwriters to reduce a short position incurred by the underwriters in connection with the offering. Similar to other purchase transactions, the underwriters' purchases to cover the syndicate short sales may have the effect of raising or maintaining the market price of our common stock or preventing or retarding a decline in the market price of our common stock. As a result, the price of our common stock may be higher than the price that might otherwise exist in the open market. A penalty bid is an arrangement permitting the underwriters to reclaim the selling concession otherwise accruing to a syndicate member in connection with the offering if the common stock originally sold by such syndicate member are purchased in a syndicate covering transaction and therefore have not been effectively placed by such syndicate member.

Neither we, nor any of the underwriters make any representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of our common stock. The underwriters are not obligated to engage in these activities and, if commenced, any of the activities may be discontinued at any time.

The underwriters may also engage in passive market making transactions in our common stock on The NASDAQ Capital Market in accordance with Rule 103 of Regulation M during a period before the commencement of offers or sales of shares of our common stock in this offering and extending through the completion of distribution. A passive market maker must display its bid at a price not in excess of the highest independent bid of that security. However, if all independent bids are lowered below the passive market maker's bid, that bid must then be lowered when specified purchase limits are exceeded.

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### **Electronic Distribution**

A prospectus in electronic format may be made available by e-mail or on the web sites or through online services maintained by one or more of the underwriters or their affiliates. In those cases, prospective investors may view offering terms online and may be allowed to place orders online. The underwriters may agree with us to allocate a specific number of shares of common stock for sale to online brokerage account holders. Any such allocation for online distributions will be made by the underwriters on the same basis as other allocations. Other than the prospectus in electronic format, the information on the underwriters' web sites and any information contained in any other web site maintained by any of the underwriters is not part of this prospectus supplement, has not been approved and/or endorsed by us or the underwriters and should not be relied upon by investors.

#### Other Activities and Relationships

The underwriters and certain of their affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, financing and brokerage activities. The underwriters and certain of their affiliates have, from time to time, performed, and may in the future perform, various commercial and investment banking and financial advisory services for us and our affiliates, for which they received or will receive customary fees and expenses.

In the ordinary course of their various business activities, the underwriters and certain of their affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers, and such investment and securities activities may involve securities and/or instruments issued by us and our affiliates. If the underwriters or their respective affiliates have a lending relationship with us, they routinely hedge their credit exposure to us consistent with their customary risk management policies. The underwriters and their respective affiliates may hedge such exposure by entering into transactions which consist of either the purchase of credit default swaps or the creation of short positions in our securities or the securities of our affiliates, including potentially the common stock offered hereby. Any such short positions could adversely affect future trading prices of the common stock offered hereby. The underwriters and certain of their respective affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such securities or instruments and may at any time hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

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### NOTICE TO INVESTORS

#### Canada

#### Resale Restrictions

The distribution of the securities in Canada is being made only in the provinces of Ontario, Quebec, Alberta and British Columbia on a private placement basis exempt from the requirement that we prepare and file a prospectus with the securities regulatory authorities in each province where trades of these securities are made. Any resale of the securities in Canada must be made under applicable securities laws which may vary depending on the relevant jurisdiction, and which may require resales to be made under available statutory exemptions or under a discretionary exemption granted by the applicable Canadian securities regulatory authority. Purchasers are advised to seek legal advice prior to any resale of the securities.

### Representations of Canadian Purchasers

By purchasing the securities in Canada and accepting delivery of a purchase confirmation, a purchaser is representing to us and the dealer from whom the purchase confirmation is received that:

- § the purchaser is entitled under applicable provincial securities laws to purchase the securities without the benefit of a prospectus qualified under those securities laws as it is an "accredited investor" as defined under National Instrument 45-106 Prospectus Exemptions,
- § the purchaser is a "permitted client" as defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations,
- § where required by law, the purchaser is purchasing as principal and not as agent, and
- § the purchaser has reviewed the text above under Resale Restrictions.

### Conflicts of Interest

Canadian purchasers are hereby notified that Jefferies LLC is relying on the exemption set out in section 3A.3 or 3A.4, if applicable, of National Instrument 33-105 Underwriting Conflicts from having to provide certain conflict of interest disclosure in this document.

### Statutory Rights of Action

Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if the prospectus (including any amendment thereto) such as this document contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser's province or territory. The purchaser of these securities in Canada should refer to any applicable provisions of the securities legislation of the purchaser's province or territory for particulars of these rights or consult with a legal advisor.

#### Enforcement of Legal Rights

All of our directors and officers as well as the experts named herein may be located outside of Canada and, as a result, it may not be possible for Canadian purchasers to effect service of process within Canada upon us or those persons. All or a substantial portion of our assets and the assets of those persons may be located outside of Canada and, as a result, it may not be possible to satisfy a judgment against us or those persons in Canada or to enforce a judgment obtained in Canadian courts against us or those persons outside of Canada.

Taxation and Eligibility for Investment

Canadian purchasers of the securities should consult their own legal and tax advisors with respect to the tax consequences of an investment in the securities in their particular circumstances and about the eligibility of the securities for investment by the purchaser under relevant Canadian legislation.

### Australia

This prospectus is not a disclosure document for the purposes of Australia's Corporations Act 2001 (Cth) of

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Australia, or Corporations Act, has not been lodged with the Australian Securities & Investments Commission and is only directed to the categories of exempt persons set out below. Accordingly, if you receive this prospectus in Australia:

### You confirm and warrant that you are either:

§ a "sophisticated investor" under section 708(8)(a) or (b) of the Corporations Act;

§ a "sophisticated investor" under section 708(8)(c) or (d) of the Corporations Act and that you have provided an accountant's certificate to the company which complies with the requirements of section 708(8)(c)(i) or (ii) of the Corporations Act and related regulations before the offer has been made; or

§ a "professional investor" within the meaning of section 708(11)(a) or (b) of the Corporations Act.

To the extent that you are unable to confirm or warrant that you are an exempt sophisticated investor or professional investor under the Corporations Act any offer made to you under this prospectus is void and incapable of acceptance.

You warrant and agree that you will not offer any of the shares issued to you pursuant to this prospectus for resale in Australia within 12 months of those securities being issued unless any such resale offer is exempt from the requirement to issue a disclosure document under section 708 of the Corporations Act.

### **European Economic Area**

In relation to each member state of the European Economic Area which has implemented the Prospectus Directive, each referred to herein as a Relevant Member State, with effect from and including the date on which the Prospectus Directive is implemented in that Relevant Member State, referred to herein as the Relevant Implementation Date, no offer of any securities which are the subject of the offering contemplated by this prospectus has been or will be made to the public in that Relevant Member State other than any offer where a prospectus has been or will be published in relation to such securities that has been approved by the competent authority in that Relevant Member State or, where appropriate, approved in another Relevant Member State and notified to the relevant competent authority in that Relevant Member State in accordance with the Prospectus Directive, except that with effect from and including the Relevant Implementation Date, an offer of such securities may be made to the public in that Relevant Member State:

§

to any legal entity which is a "qualified investor" as defined in the Prospectus Directive;

§
to fewer than 150, natural or legal persons (other than qualified investors as defined in the Prospectus Directive), as permitted under the Prospectus Directive, subject to obtaining the prior consent of the representative of the underwriters for any such offer; or

§ in any other circumstances falling within Article 3(2) of the Prospectus Directive,

provided that no such offer of securities shall require the Company or any of the underwriters to publish a prospectus pursuant to Article 3 of the Prospectus Directive or supplement a prospectus pursuant to Article 16 of the Prospectus Directive.

For the purposes of this provision, the expression an "offer to the public" in relation to any securities in any Relevant Member State means the communication in any form and by any means of sufficient information on the terms of the offer and the securities to be offered so as to enable an investor to decide to purchase or subscribe the securities, as the same may be varied in that Relevant Member State by any measure implementing the Prospectus Directive in that Relevant Member State and the expression "Prospectus Directive" means Directive 2003/71/EC (and amendments thereto, including Directive 2010/73/EU, the "2010 PD Amending Directive")), and includes any relevant implementing measure in the Relevant Member State.

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### **Hong Kong**

No securities have been offered or sold, and no securities may be offered or sold, in Hong Kong, by means of any document, other than to persons whose ordinary business is to buy or sell shares or debentures, whether as principal or agent; or to "professional investors" as defined in the Securities and Futures Ordinance (Cap. 571) of Hong Kong and any rules made under that Ordinance; or in other circumstances which do not result in the document being a "prospectus" as defined in the Companies Ordinance (Cap. 32) of Hong Kong or which do not constitute an offer to the public within the meaning of the Companies Ordinance (Cap.32) of Hong Kong. No document, invitation or advertisement relating to the securities has been issued or may be insued or may be in the possession of any person for the purpose of issue (in each case whether in Hong Kong or elsewhere), which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted under the securities laws of Hong Kong) other than with respect to securities which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the Securities and Futures Ordinance (Cap. 571) of Hong Kong and any rules made under that Ordinance.

This prospectus has not been registered with the Registrar of Companies in Hong Kong. Accordingly, this prospectus may not be issued, circulated or distributed in Hong Kong, and the securities may not be offered for subscription to members of the public in Hong Kong. Each person acquiring the securities will be required, and is deemed by the acquisition of the securities, to confirm that he is aware of the restriction on offers of the securities described in this prospectus and the relevant offering documents and that he is not acquiring, and has not been offered any securities in circumstances that contravene any such restrictions.

#### Japan

The offering has not been and will not be registered under the Financial Instruments and Exchange Law of Japan (Law No. 25 of 1948 of Japan, as amended), or FIEL, and the underwriters will not offer or sell any securities, directly or indirectly, in Japan or to, or for the benefit of, any resident of Japan (which term as used herein means, unless otherwise provided herein, any person resident in Japan, including any corporation or other entity organized under the laws of Japan), or to others for re-offering or resale, directly or indirectly, in Japan or to a resident of Japan, except pursuant to an exemption from the registration requirements of, and otherwise in compliance with, the FIEL and any other applicable laws, regulations and ministerial guidelines of Japan.

### **Singapore**

This prospectus has not been and will not be lodged or registered with the Monetary Authority of Singapore. Accordingly, this prospectus and any other document or material in connection with the offer or sale, or the invitation for subscription or purchase of the securities may not be issued, circulated or distributed, nor may the securities be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to the public or any member of the public in Singapore other than (i) to an institutional investor under Section 274 of the Securities and Futures Act, Chapter 289 of Singapore, or the SFA, (ii) to a relevant person as defined under Section 275(2), or any person pursuant to Section 275(1A) of the SFA, and in accordance with the conditions, specified in Section 275 of the SFA, or (iii) otherwise pursuant to, and in accordance with the conditions of any other applicable provision of the SFA.

Where the securities are subscribed or purchased under Section 275 of the SFA by a relevant person which is:

§

a corporation (which is not an accredited investor as defined under Section 4A of the SFA) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or

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§

a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary is an accredited investor,

shares, debentures and units of shares and debentures of that corporation or the beneficiaries' rights and interest in that trust shall not be transferable for six months after that corporation or that trust has acquired the Offer Shares under Section 275 of the SFA except:

§

to an institutional investor under Section 274 of the SFA or to a relevant person defined in Section 275(2) of the SFA, or to any person pursuant to an offer that is made on terms that such shares, debentures and units of shares and debentures of that corporation or such rights and interest in that trust are acquired at a consideration of not less than \$200,000 (or its equivalent in a foreign currency) for each transaction, whether such amount is to be paid for in cash or by exchange of securities or other assets, and further for corporations, in accordance with the conditions, specified in Section 275 of the SFA;

§

where no consideration is given for the transfer; or

§

where the transfer is by operation of law.

#### Switzerland

The securities may not be publicly offered in Switzerland and will not be listed on the SIX Swiss Exchange, or SIX, or on any other stock exchange or regulated trading facility in Switzerland. This prospectus has been prepared without regard to the disclosure standards for issuance prospectuses under art. 652a or art. 1156 of the Swiss Code of Obligations or the disclosure standards for listing prospectuses under art. 27 ff. of the SIX Listing Rules or the listing rules of any other stock exchange or regulated trading facility in Switzerland. Neither this prospectus nor any other offering or marketing material relating to the securities or the offering may be publicly distributed or otherwise made publicly available in Switzerland.

Neither this prospectus nor any other offering or marketing material relating to the offering, the Company or the securities have been or will be filed with or approved by any Swiss regulatory authority. In particular, this prospectus will not be filed with, and the offer of securities will not be supervised by, the Swiss Financial Market Supervisory Authority FINMA, or FINMA, and the offer of securities has not been and will not be authorized under the Swiss Federal Act on Collective Investment Schemes, or CISA. The investor protection afforded to acquirers of interests in collective investment schemes under the CISA does not extend to acquirers of securities.

### **United Kingdom**

This prospectus is only being distributed to, and is only directed at, persons in the United Kingdom that are qualified investors within the meaning of Article 2(1)(e) of the Prospectus Directive that are also (i) investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended, referred to herein as the Order, and/or (ii) high net worth entities falling within Article 49(2)(a) to (d) of the Order and other persons to whom it may lawfully be communicated. Each such person is referred to herein as a Relevant Person.

This prospectus and its contents are confidential and should not be distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other persons in the United Kingdom. Any person in the United Kingdom that is not a Relevant Person should not act or rely on this document or any of its contents.

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#### LEGAL MATTERS

The validity of the common stock offered by this prospectus supplement and the accompanying prospectus will be passed upon for us by Alston & Bird LLP, New York, New York. Covington & Burling LLP, is counsel for the underwriters in connection with this offering.

#### **EXPERTS**

The financial statements of Stemline Therapeutics, Inc. included in Stemline Therapeutics, Inc.'s Annual Report (Form 10-K) for the year ended December 31, 2015 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon, included therein, and incorporated herein by reference. Such financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

#### WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements, and other information with the SEC. You may read and copy any documents we have filed with the SEC at its Public Reference Room located at 100 F Street, N.E., Washington, D.C. 20549. You may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. We also file these documents with the SEC electronically. You can access the electronic versions of these filings on the SEC's Internet website found at http://www.sec.gov. You can also obtain copies of materials we file with the SEC, free of charge, from our Internet website found at www.stemline.com. The information contained in, or that can be accessed through, our website is not part of, and is not incorporated into, this prospectus supplement or the accompanying prospectus. Our stock is listed on The NASDAQ Capital Market under the symbol "STML."

### INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to "incorporate by reference" information from other documents that we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be part of this prospectus supplement and the accompanying prospectus. Information contained in this prospectus supplement and the accompanying prospectus, and information that we file with the SEC in the future and incorporate by reference in this prospectus supplement and the accompanying prospectus, will automatically update and supersede this information. We incorporate by reference in this prospectus supplement and the accompanying prospectus the documents listed below, any future documents we file with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this prospectus supplement and until the completion or termination of this offering (in each case, except for the information in any of the foregoing Current Reports on Form 8-K furnished under Item 2.02 or Item 7.01 thereof):

We incorporate by reference into this prospectus supplement the information or documents listed below that we have filed with the SEC (Commission File No. 001-35619).

§ our Annual Report on Form 10-K for the fiscal year ended December 31, 2015, filed on March 14, 2016;
§ our Quarterly Report on Form 10-Q for the quarter ended September 30, 2016, filed on November 8, 2016;
§ our Quarterly Report on Form 10-Q for the quarter ended June 30, 2016, filed on August 8, 2016;
§ our Quarterly Report on Form 10-Q for the quarter ended March 31, 2016, filed on May 9, 2016;

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§ our Definitive Proxy Statement on Schedule 14A filed on April 8, 2016;

§ our Current Reports on Form 8-K filed on January 13, 2016, May 25, 2016, June 6, 2016, August 25, 2016 and January 6, 2017; and

§
the description of our common stock contained in our Registration Statement on Form 8-A filed on July 30, 2012, including any amendment or report filed for the purpose of updating such description.

You may request, orally or in writing, a copy of any or all of the documents incorporated herein by reference. These documents will be provided to you at no cost, by contacting: Stemline Therapeutics, Inc., 750 Lexington Avenue, Eleventh Floor, New York, NY 10022, (646) 502-2311, email address: info@stemline.com. In addition, copies of any or all of the documents incorporated herein by reference may be accessed at our website at www.stemline.com. The information contained in, or that can be accessed through, our website is not part of, and is not incorporated into, this prospectus supplement or the accompanying prospectus.

You should rely only on information contained in, or incorporated by reference into, this prospectus supplement. We have not authorized anyone to provide you with information different from that contained in this prospectus supplement or incorporated by reference in this prospectus supplement.

**PROSPECTUS** 

## \$150,000,000

# Stemline Therapeutics, Inc.

Common Stock Preferred Stock Warrants Debt Securities Units

shares of our common stock;	
shares of our preferred stock;	
warrants;	
debt securities; and	

The following are types of securities that we may offer, issue and sell from time to time, together or separately:

We may offer these securities in amounts, at prices, and on terms determined at the time of offering. We may sell these securities directly to you through agents we select or through underwriters and dealers we select. If we use agents, underwriters or dealers to sell these securities, we will name them and describe their compensation in a prospectus supplement.

units consisting of any combination of our common stock, preferred stock, warrants or debt securities.

This prospectus provides a general description of the securities we may offer. Each time we sell securities, we will provide specific terms of the securities offered in a supplement to this prospectus. The prospectus supplement may also add, update or change information contained in this prospectus. You should read this prospectus and the applicable prospectus supplement carefully, together with additional information described under the heading "Where You Can Find More Information," before you invest in any securities. This prospectus may not be used to consummate a sale of securities unless accompanied by the applicable prospectus supplement.

Our common stock is traded on the NASDAQ Capital Market under the symbol "STML." On January 29, 2014, the per share closing price of our common stock as reported on the NASDAQ Capital Market was \$25.02 per share.

Investing in our securities involves certain risks. See "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2012, as well as our Quarterly Reports on Form 10-Q for the periods ended March 31, 2013, June 30, 2013 and September 30, 2013, which have been filed with the SEC and are incorporated by reference into this prospectus. You should read the entire prospectus carefully before you make your investment decision.

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 February 12, 2014.

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#### STEMLINE THERAPEUTICS, INC.

We are a clinical stage biopharmaceutical company focused on discovering, acquiring, developing and commercializing proprietary therapeutics that target both cancer stem cells, or CSCs, and tumor bulk. We are currently developing two clinical stage product candidates, SL-401 and SL-701. SL-401 is a targeted therapy directed to the interleukin-3 receptors, or IL-3R, and is currently being developed for the treatment of several hematologic cancers including blastic plasmacytoid dendritic cell neoplasm, or BPDCN, and other rare IL-3R+ cancers of unmet medical need, as well as acute myeloid leukemia, or AML, and multiple myeloma, or MM. SL-401 has received Orphan Drug designation from the Food and Drug Administration (FDA) for the treatment of BPDCN and AML. SL-701 is a subcutaneously administered therapeutic cancer vaccine comprised of multiple synthetic peptides, and is currently being developed for the treatment of advanced adult and pediatric brain cancer. In completed Phase 1/2 clinical trials, both SL-401 and SL-701 have demonstrated single agent efficacy, including durable complete responses, and longer overall survival compared with historical data in heavily pretreated patients.

Based upon favorable clinical data observed to date with SL-401 and SL-701 across several indications, we plan to initiate multiple clinical trials with SL-401 in a variety of hematologic cancers and with SL-701 in advanced adult and pediatric brain cancers. These include pivotal programs with SL-401 in BPDCN and late-stage AML. We also plan to initiate Phase 1/2 trials in additional hematologic indications including several rare malignancies, multiple myeloma, and earlier stages of AML. In addition, we plan to initiate a Phase 2 trial of SL-701 in adult patients with glioblastoma multiforme, or GBM, who failed one previous treatment, i.e., second line GBM; a study which could potentially provide the basis for accelerated approval. In addition, we plan to initiate a Phase 2 trial of SL-701 in pediatric patients with brainstem and non-brainstem high-grade glioma.

In addition to our clinical programs, we have also built 1) a robust preclinical pipeline, including next generation product candidates, SL-501 and SL-101, directed to the same clinically validated IL-3R target as SL-401; 2) an innovative drug discovery platform ("StemScreen®"); and 3) an extensive intellectual property portfolio which includes some of the earliest patents in the CSC area. We believe that these, in concert with our active clinical stage compounds, position us for growth into a leading biopharmaceutical company.

Our principal executive offices are located at 750 Lexington Avenue, Eleventh Floor, New York, New York 10022, and our telephone number is (646) 502-2311. We maintain a website at www.stemline.com and our e-mail address is info@stemline.com. Our website, and the information contained on it, are not to be considered part of this prospectus.

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## THE OFFERING

Use of Proceeds We intend to use the net proceeds of any offering as set forth in the applicable prospectus

supplement.

Nasdaq Symbol STML

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#### FORWARD-LOOKING STATEMENTS

This prospectus includes statements that are, or may be deemed, "forward-looking statements." In some cases, these forward-looking statements can be identified by the use of forward-looking terminology, including the terms "believes," "estimates," "anticipates," "expects," "plans," "intends," "may," "could," "might," "will," "should," "approximately" or, in each case, their negative or other variations thereon or comparable terminology, although not all forward-looking statements contain these words. They appear in a number of places throughout this prospectus (and the documents incorporated by reference into this prospectus) and include statements regarding our intentions, beliefs, projections, outlook, analyses or current expectations concerning, among other things, our ongoing and planned discovery and development of drugs targeting cancer stem cells, the strength and breadth of our intellectual property, our ongoing and planned preclinical studies and clinical trials, the timing of and our ability to make regulatory filings and obtain and maintain regulatory approvals for our product candidates, the degree of clinical utility of our product candidates, particularly in specific patient populations, expectations regarding clinical trial data, our results of operations, financial condition, liquidity, prospects, growth and strategies, the length of time that we will be able to continue to fund our operating expenses and capital expenditures, our expected financing needs and sources of financing, the industry in which we operate and the trends that may affect the industry or us.

By their nature, forward-looking statements involve risks and uncertainties because they relate to events, competitive dynamics, and healthcare, regulatory and scientific developments and depend on the economic circumstances that may or may not occur in the future or may occur on longer or shorter timelines than anticipated. Although we believe that we have a reasonable basis for each forward-looking statement contained in this prospectus (and the documents incorporated by reference into this prospectus), we caution you that forward-looking statements are not guarantees of future performance and that our actual results of operations, financial condition and liquidity, and the development of the industry in which we operate may differ materially from the forward-looking statements contained in this prospectus. In addition, even if our results of operations, financial condition and liquidity, and the development of the industry in which we operate are consistent with the forward-looking statements contained in this prospectus (and the documents incorporated by reference into this prospectus), they may not be predictive of results or developments in future periods.

#### WHERE YOU CAN FIND MORE INFORMATION

We file reports with the SEC on an annual basis using Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K. You may read and copy any such reports and amendments thereto at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549 on official business days during the hours of 10:00 a.m. to 3:00 p.m. Please call the SEC at 1-800-SEC-0330 for information on the Public Reference Room. Additionally, the SEC maintains a website that contains annual, quarterly, and current reports, proxy statements, and other information that issuers (including us) file electronically with the SEC. The SEC's website address is http://www.sec.gov. You can also obtain copies of materials we file with the SEC from our Internet website found at www.stemline.com. Our stock is quoted on the NASDAQ Capital Market under the symbol "STML."

#### IMPORTANT INFORMATION ABOUT THIS PROSPECTUS

This prospectus is part of a "shelf" registration statement that we filed with the SEC. By using a shelf registration statement, we may sell our securities, as described in this prospectus, from time to time in one or more offerings. We may use the shelf registration statement to offer and sell securities described in this prospectus. Each time we sell securities, we will provide a prospectus supplement to this prospectus that contains specific information about the terms of such offering. The supplement may also add, update or change information contained in this prospectus. Before purchasing any securities, you should carefully read both this prospectus and any supplement, together with the

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additional information incorporated into this prospectus or described under the heading "Where You Can Find More Information."

You should rely only on the information contained or incorporated by reference in this prospectus and any prospectus supplement. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We will not make an offer to sell securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus, as well as information we previously filed with the SEC and have incorporated by reference, is accurate as of the date on the front cover of this prospectus only, or when such document was filed with the SEC. Our business, financial condition, results of operations and prospects may have changed since the relevant date.

We will not use this prospectus to offer and sell securities unless it is accompanied by a prospectus supplement that more fully describes the terms of the offering.

#### INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to "incorporate by reference" into this prospectus the information we file with the SEC. This means that we can disclose important information to you by referring you to those documents without restating that information in this document. The information incorporated by reference into this prospectus is considered to be part of this prospectus, and information we file with the SEC pursuant to Section 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, or the Exchange Act, after the date of this prospectus and prior to the termination of this offering, will automatically update and supersede the information contained in this prospectus and documents listed below. We incorporate by reference into this prospectus the documents listed below, except to the extent information in those documents differs from information contained in this prospectus, and any future filings made by us with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act, including exhibits:

- (a) Our Annual Report on Form 10-K for the year ended December 31, 2012;
- (b) Our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2013, June 30, 2013, and September 30, 2013;
- (c)
  Our Current Reports on Form 8-K filed with the SEC on February 6, 2013, March 29, 2013, June 25, 2013, November 15, 2013, and January 23, 2014;
- (d)
  Our Definitive Proxy Statement on Schedule 14A, filed with the SEC on April 30, 2013; and
- (e)

  Description of our common stock, which is contained in the Registration Statement on Form 8-A, as filed with the SEC on July 30, 2012, as supplemented by the Description of Common Stock found on page 5 of the base prospectus and including any amendments or reports filed for the purpose of updating such description.

We will provide to each person, including any beneficial owner, to whom a copy of this prospectus is delivered, a copy of any or all of the information that we have incorporated by reference into this prospectus. We will provide this information upon written or oral request at no cost to the requester. You may request this information by contacting our corporate headquarters at the following address: 750 Lexington Avenue, Eleventh Floor, New York, New York 10022, Attn: Chief Accounting Officer, or by calling (646) 502-2311.

#### RATIO OF EARNINGS/ DEFICIENCY TO FIXED CHARGES

The following table sets forth, for each of the periods presented, our ratio of earnings to fixed charges and our coverage deficiency. You should read this table in conjunction with the financial statements and notes incorporated by reference in this prospectus.

	Nine Months Ended September 30,				Year Ended December 31,	
(in thousands)	3013	2012	2011	2010	2009	2008
Net loss	(16,530)	(6,275)	(2,755)	(1,801)	(1,778)	(1,820)
Ratio of earnings to fixed						
charges(1)	N/A	N/A	N/A	N/A	N/A	N/A
Coverage deficiency	(16,530)	(6,275)	(2,755)	(1,801)	(1,778)	(1,820)

We did not record earnings for the nine months ended September 30, 2013, and for the years ended December 31, 2012, 2011, 2010, 2009 and 2008. Accordingly, our earnings were insufficient to cover fixed charges for such periods and we are unable to disclose a ratio of earnings to fixed charges for such periods.

#### DESCRIPTION OF SECURITIES WE MAY OFFER

This prospectus contains summary descriptions of the securities we may offer from time to time. These summary descriptions are not meant to be complete descriptions of each security. The particular terms of any security will be described in the related prospectus supplement.

#### DESCRIPTION OF COMMON STOCK

The following summary of the terms of our common stock may not be complete and is subject to, and qualified in its entirety by reference to, the terms and provisions of our restated certificate of incorporation and our amended and restated by-laws. You should refer to, and read this summary together with, our restated certificate of incorporation and amended and restated by-laws to review all of the terms of our common stock that may be important to you.

#### Common Stock

Under the terms of our restated certificate of incorporation, we are authorized to issue a total of 33,750,000 shares of common stock, par value \$0.0001 per share. As of January 29, 2014, we had issued and outstanding 13,170,736 shares of our common stock. All outstanding shares of our common stock are fully paid and nonassessable. Our common stock is listed on The NASDAQ Capital Market and trades under the symbol "STML" and has been publicly traded since January 29, 2013. Prior to that time, there was no public market for our common stock.

#### Holders

The number of record holders of our 13,170,736 shares of outstanding common stock as of January 29, 2014 was 24. This number does not include beneficial owners whose shares are held by nominees in street name.

#### **Dividends**

We have never declared or paid any cash dividends on our common stock and do not anticipate paying any cash dividends in the foreseeable future. Any future determination to pay dividends will be at the discretion of our board of directors.

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#### **Voting Rights**

Holders of our common stock are entitled to one vote for each share held on all matters submitted to a vote of stockholders and do not have cumulative voting rights. Holders of our common stock are not entitled to vote on any amendment to our restated certificate of incorporation that relates solely to the terms of one or more outstanding series of preferred stock if the holders of such affected series are entitled, either separately or together as a class with the holders of one or more other such series, to vote thereon pursuant to the restated certificate of incorporation. An election of directors by our stockholders will be determined by a plurality of the votes cast by the stockholders entitled to vote on the election. Holders of common stock are entitled to receive proportionately any dividends as may be declared by our board of directors, subject to any preferential dividend rights or other rights of outstanding preferred stock.

#### **Liquidation and Dissolution**

In the event of our liquidation or dissolution, the holders of common stock are entitled to receive proportionately all assets available for distribution to stockholders after the payment of all debts and other liabilities and subject to the preferential or other rights of any outstanding preferred stock. Holders of common stock have no preemptive, subscription, redemption, conversion or similar rights. The rights, preferences and privileges of holders of common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock that we may designate and issue in the future.

#### **Transfer Agent**

The transfer agent and registrar for our common stock is Computershare Trust Company, N.A.

#### **Anti-Takeover Provisions**

We are subject to Section 203 of the Delaware General Corporation Law. Subject to certain exceptions, Section 203 prevents a publicly held Delaware corporation from engaging in a "business combination" with any "interested stockholder" for three years following the date that the person became an interested stockholder, unless the interested stockholder attained such status with the approval of our board of directors or unless the business combination is approved in a prescribed manner. A "business combination" includes, among other things, a merger or consolidation involving us and the "interested stockholder" and the sale of more than 10% of our assets. In general, an "interested stockholder" is any entity or person beneficially owning 15% or more of our outstanding voting stock and any entity or person affiliated with or controlling or controlled by such entity or person.

#### Staggered board; removal of directors

Our restated certificate of incorporation and our amended and restated by-laws divide our board of directors into three classes with staggered three-year terms. In addition, a director may be removed only for cause and only by the affirmative vote of the holders of at least 75% of the votes that all our stockholders would be entitled to cast in an annual election of directors. Any vacancy on our board of directors, including a vacancy resulting from an enlargement of our board of directors, may be filled only by vote of a majority of our directors then in office. The classification of our board of directors and the limitations on the removal of directors and filling of vacancies could make it more difficult for a third party to acquire, or discourage a third party from seeking to acquire, control of our Company.

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#### Super-majority voting

The Delaware General Corporation Law provides generally that the affirmative vote of a majority of the shares entitled to vote on any matter is required to amend a corporation's certificate of incorporation or by-laws, unless a corporation's certificate of incorporation or by-laws, as the case may be, requires a greater percentage. Our amended and restated by-laws may be amended or repealed by a majority vote of our board of directors or the affirmative vote of the holders of at least 75% of the votes that all our stockholders would be entitled to cast in an annual election of directors. In addition, the affirmative vote of the holders of at least 75% of the votes which all our stockholders would be entitled to cast in an election of directors is required to amend or repeal or to adopt any provisions inconsistent with any of the provisions of our certificate of incorporation described in the prior two paragraphs.

#### Stockholder action; special meeting of stockholders

Our restated certificate of incorporation provides that any action required or permitted to be taken by our stockholders must be effected at a duly called annual or special meeting of such stockholders and may not be effected by any consent in writing by such stockholders. Our restated certificate of incorporation and our amended and restated by-laws also provide that, except as otherwise required by law, special meetings of our stockholders can only be called by our chairman of the board, our chief executive officer or our board of directors and business transacted at any special meeting is limited to the stated purposes of the meeting.

#### Authorized but unissued shares

The authorized but unissued shares of common stock and preferred stock are available for future issuance without stockholder approval, subject to any limitations imposed by the listing standards of The NASDAQ Capital Market. These additional shares may be used for a variety of corporate finance transactions, acquisitions and employee benefit plans. The existence of authorized but unissued and unreserved common stock and preferred stock could make more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

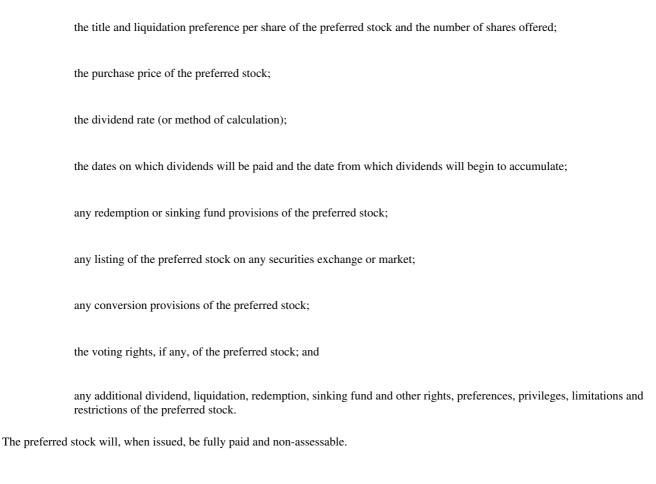
#### DESCRIPTION OF PREFERRED STOCK

Under the terms of our restated certificate of incorporation, our board of directors is authorized to issue up to 5,000,000 shares of preferred stock, par value \$0.0001 per share. Our board of directors may issues shares of preferred stock in one or more series without stockholder approval, and has the discretion to determine the rights, preferences, privileges and restrictions, including voting rights, dividend rights, conversion rights, redemption privileges and liquidation preferences, of each series of preferred stock. We may amend from time to time our restated certificate of incorporation to increase the number of authorized shares of preferred stock. Any such amendment would require the approval of the holders of a majority of the voting power of the shares entitled to vote thereon. As of the date of this prospectus, we have 5,000,000 shares of preferred shares authorized, but no shares of preferred stock outstanding.

It is not possible to state the actual effect of the issuance of any shares of preferred stock upon the rights of the holders of common stock until the board of directors determines the specific rights of the holders of preferred stock. However, effects of the issuance of preferred stock include restricting dividends on common stock, diluting the voting power of common stock, impairing the liquidation rights of common stock, and making it more difficult for a third party to acquire us, which could have the effect of discouraging a third party from acquiring, or deterring a third party from paying a premium to acquire, a majority of our outstanding voting stock.

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The particular terms of any series of preferred stock being offered by us will be described in the prospectus supplement relating to that series of preferred stock. Those terms may include:



#### DESCRIPTION OF WARRANTS

We may issue warrants to purchase shares of our common stock and/or preferred stock in one or more series together with other securities or separately, as described in each applicable prospectus supplement.

The prospectus supplement relating to any warrants we offer will include specific terms relating to the offering. These terms will include some or all of the following:

the title of the warrants;	
the aggregate number of warrants offered;	
the designation, number and terms of the shares of common stock purchasable upon exercise of the warraby which those numbers may be adjusted;	ints and procedures
the exercise price of the warrants;	

the dates or periods during which the warrants are exercisable;

the designation and terms of any securities with which the warrants are issued;

if the warrants are issued as a unit with another security, the date on and after which the warrants and the other security will be separately transferable;

if the exercise price is not payable in U.S. dollars, the foreign currency, currency unit or composite currency in which the exercise price is denominated;

any minimum or maximum amount of warrants that may be exercised at any one time;

any terms relating to the modification of the warrants;

any terms, procedures and limitations relating to the transferability, exchange or exercise of the warrants; and

any other specific terms of the warrants.

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#### DESCRIPTION OF DEBT SECURITIES

We may offer debt securities which may be senior, subordinated or junior subordinated and may be convertible. Unless otherwise specified in the applicable prospectus supplement, our debt securities will be issued in one or more series under an indenture to be entered into between us and a trustee. We will issue the debt securities offered by this prospectus and any accompanying prospectus supplement under an indenture to be entered into between us and the trustee identified in the applicable prospectus supplement. The terms of the debt securities will include those stated in the indenture and those made part of the indenture by reference to the Trust Indenture Act of 1939, as in effect on the date of the indenture. We have filed a copy of the form of indenture as an exhibit to the registration statement in which this prospectus is included. The indenture will be subject to and governed by the terms of the Trust Indenture Act of 1939.

The following description briefly sets forth certain general terms and provisions of the debt securities that we may offer. The particular terms of the debt securities offered by any prospectus supplement and the extent, if any, to which these general provisions may apply to the debt securities, will be described in the related prospectus supplement. Accordingly, for a description of the terms of a particular issue of debt securities, reference must be made to both the related prospectus supplement and to the following description.

#### **Debt Securities**

The aggregate principal amount of debt securities that may be issued under the indenture is unlimited. The debt securities may be issued in one or more series as may be authorized from time to time pursuant to a supplemental indenture entered into between us and the trustee or an order delivered by us to the trustee. For each series of debt securities we offer, a prospectus supplement accompanying this prospectus will describe the following terms and conditions of the series of debt securities that we are offering, to the extent applicable:

title and aggregate principal amount;
whether the debt securities will be senior, subordinated or junior subordinated;
applicable subordination provisions, if any;
provisions regarding whether the debt securities will be convertible or exchangeable into other securities or property of the Company or any other person;
percentage or percentages of principal amount at which the debt securities will be issued;
maturity date(s);
interest rate(s) or the method for determining the interest rate(s);
whether interest on the debt securities will be payable in cash or additional debt securities of the same series;
dates on which interest will accrue or the method for determining dates on which interest will accrue and dates on which interest will be payable;
whether the amount of payment of principal of, premium, if any, or interest on the debt securities may be determined with reference to an index, formula or other method;

redemption, repurchase or early repayment provisions, including our obligation or right to redeem, purchase or repay debt securities under a sinking fund, amortization or analogous provision;

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if other than the debt securities' principal amount, the portion of the principal amount of the debt securities that will be payable upon declaration of acceleration of the maturity; authorized denominations: form: amount of discount or premium, if any, with which the debt securities will be issued, including whether the debt securities will be issued as "original issue discount" securities; the place or places where the principal of, premium, if any, and interest on the debt securities will be payable; where the debt securities may be presented for registration of transfer, exchange or conversion; the place or places where notices and demands to or upon the Company in respect of the debt securities may be made; whether the debt securities will be issued in whole or in part in the form of one or more global securities; if the debt securities will be issued in whole or in part in the form of a book-entry security, the depository or its nominee with respect to the debt securities and the circumstances under which the book-entry security may be registered for transfer or exchange or authenticated and delivered in the name of a person other than the depository or its nominee; whether a temporary security is to be issued with respect to such series and whether any interest payable prior to the issuance of definitive securities of the series will be credited to the account of the persons entitled thereto; the terms upon which beneficial interests in a temporary global security may be exchanged in whole or in part for beneficial interests in a definitive global security or for individual definitive securities; the guarantors, if any, of the debt securities, and the extent of the guarantees and any additions or changes to permit or facilitate guarantees of such debt securities; any covenants applicable to the particular debt securities being issued;

any defaults and events of default applicable to the debt securities, including the remedies available in connection therewith;

currency, currencies or currency units in which the purchase price for, the principal of and any premium and any interest on, such debt securities will be payable;

time period within which, the manner in which and the terms and conditions upon which the Company or the purchaser of the debt securities can select the payment currency;

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provisions relating to the modification of the indenture both with and without the consent of holders of debt securities issued under the indenture;
any restrictions or conditions on the transferability of the debt securities;
provisions relating to satisfaction and discharge of the indenture;
provisions relating to defeasance;
extent to which a secondary market for the debt securities is expected to develop;
whether any underwriter(s) will act as market maker(s) for the debt securities;
securities exchange(s) on which the debt securities will be listed, if any;

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any addition or change in the provisions related to compensation and reimbursement of the trustee;

provisions, if any, granting special rights to holders upon the occurrence of specified events;

whether the debt securities will be secured or unsecured, and, if secured, the terms upon which the debt securities will be secured and any other additions or changes relating to such security; and

any other terms of the debt securities that are not inconsistent with the provisions of the Trust Indenture Act (but may modify, amend, supplement or delete any of the terms of the indenture with respect to such series of debt securities).

#### General

One or more series of debt securities may be sold as "original issue discount" securities. These debt securities would be sold at a substantial discount below their stated principal amount, bearing no interest or interest at a rate which at the time of issuance is below market rates. One or more series of debt securities may be variable rate debt securities that may be exchanged for fixed rate debt securities.

United States federal income tax consequences and special considerations, if any, applicable to any such series will be described in the applicable prospectus supplement.

Debt securities may be issued where the amount of principal and/or interest payable is determined by reference to one or more currency exchange rates, commodity prices, equity indices or other factors. Holders of such debt securities may receive a principal amount or a payment of interest that is greater than or less than the amount of principal or interest otherwise payable on such dates, depending upon the value of the applicable currencies, commodities, equity indices or other factors. Information as to the methods for determining the amount of principal or interest, if any, payable on any date, the currencies, commodities, equity indices or other factors to which the amount payable on such date is linked and certain additional United States federal income tax considerations will be set forth in the applicable prospectus supplement.

The term "debt securities" includes debt securities denominated in U.S. dollars or, if specified in the applicable prospectus supplement, in any other freely transferable currency or units based on or relating to foreign currencies.

We expect most debt securities to be issued in fully registered form without coupons and in denominations of \$2,000 and any integral multiples thereof. Subject to the limitations provided in the indenture and in the prospectus supplement, debt securities that are issued in registered form may be transferred or exchanged at the principal corporate trust office of the trustee, without the payment of any service charge, other than any tax or other governmental charge payable in connection therewith.

#### **Global Securities**

The debt securities of a series may be issued in whole or in part in the form of one or more global securities that will be deposited with, or on behalf of, a depositary identified in the prospectus supplement. Global securities will be issued in registered form and in either temporary or definitive form. Unless and until it is exchanged in whole or in part for the individual debt securities, a global security may not be transferred except as a whole by the depositary for such global security to a nominee of such depositary or by a nominee of such depositary to such depositary or another nominee of such depositary or any such nominee to a successor of such depositary or a nominee of such successor. The specific terms of the depositary arrangement with respect to any debt securities of a series and the rights of and limitations upon owners of beneficial interests in a global security will be described in the applicable prospectus supplement.

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#### **Governing Law**

The indenture and the debt securities shall be construed in accordance with and governed by the laws of the State of New York.

#### **DESCRIPTION OF UNITS**

We may issue, in one more series, units comprised of shares of our common stock or preferred stock, warrants to purchase common stock or preferred stock, debt securities or any combination of those securities. Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit. Thus, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

We may evidence units by unit certificates that we issue under a separate agreement. We may issue the units under a unit agreement between us and one or more unit agents. If we elect to enter into a unit agreement with a unit agent, the unit agent will act solely as our agent in connection with the units and will not assume any obligation or relationship of agency or trust for or with any registered holders of units or beneficial owners of units. We will indicate the name and address and other information regarding the unit agent in the applicable prospectus supplement relating to a particular series of units if we elect to use a unit agent.

We will describe in the applicable prospectus supplement the terms of the series of units being offered, including:

the designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;

any provisions of the governing unit agreement that differ from those described herein; and

any provisions for the issuance, payment, settlement, transfer or exchange of the units or of the securities comprising the units.

The other provisions regarding our common stock, preferred stock, warrants and debt securities as described in this section will apply to each unit to the extent such unit consists of shares of our common stock, preferred stock, warrants and/or debt securities.

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#### PLAN OF DISTRIBUTION

We may sell the securities covered in this prospectus from time to time in one or more of the following ways:

through underwriters or dealers;
in short or long transactions;
directly to a limited number of purchasers or to a single purchaser;
through agents; or
through a combination of any of these methods of sale.

Each time that we use this prospectus to sell securities, we will also provide a prospectus supplement that contains the specific terms of the offering. The prospectus supplement will set forth the terms of the offering of the securities, including:

the name or names of any underwriters, dealers or agents and the amounts of any securities underwritten or purchased by each of them; and

the purchase price of the securities being offered and the proceeds to us and any discounts, commissions or concessions allowed or reallowed or paid to dealers.

The purchase price and any discounts or concessions allowed or reallowed or paid to dealers may be changed from time to time.

If underwriters are used in the sale of any securities, the securities 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 securities may be either offered to the public through underwriting syndicates represented by managing underwriters, or directly by underwriters. Generally, the underwriters' obligations to purchase the securities will be subject to certain conditions precedent. The underwriters will be obligated to purchase all of the securities if they purchase any of the securities.

We may sell the securities through agents from time to time. The prospectus supplement will name any agent involved in the offer or sale of the securities and any commissions we pay to them. Generally, any agent will be acting on a best efforts basis for the period of its appointment.

We may authorize underwriters, dealers or agents to solicit offers by certain purchasers to purchase the securities from us 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. The contracts will be subject only to those conditions set forth in the prospectus supplement, and the prospectus supplement will set forth any commissions we pay for solicitation of these contracts.

Agents and underwriters may be entitled to indemnification by us against certain civil liabilities, including liabilities under the Securities Act of 1933, as amended, or to contribution with respect to payments which the agents or underwriters may be required to make in respect thereof. Agents and underwriters may be customers of, engage in transactions with, or perform services for us in the ordinary course of business.

We may enter into derivative transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement indicates, in connection with those derivatives, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions. If so, the third party may use securities pledged by us or borrowed from us or others to settle those sales or to close out any related open borrowings of securities, and may use

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settlement of those derivatives to close out any related open borrowings of securities. The third party in such sale transactions will be an underwriter and will be identified in the applicable prospectus supplement (or a post-effective amendment). We may also use underwriters or such other third parties with whom we have a material relationship. We will describe the nature of any such relationship in the applicable prospectus supplement.

In compliance with the guidelines of the Financial Industry Regulatory Authority, Inc., or FINRA, the maximum compensation to be received by a FINRA member or independent broker-dealer may not exceed 8% of the offering proceeds. It is anticipated that the maximum compensation to be received in any particular offering of securities will be less than this amount.

#### LEGAL MATTERS

The legality and validity of the securities offered from time to time under this prospectus will be passed upon by Alston & Bird LLP, New York. New York.

#### **EXPERTS**

Ernst & Young LLP, independent registered public accounting firm, has audited our financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2012, as set forth in their report, which is incorporated by reference in this prospectus and elsewhere in the registration statement. Our financial statements are incorporated by reference in reliance on Ernst & Young LLP's report, given on their authority as experts in accounting and auditing.

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# **Shares**

# **Common Stock**

## PROSPECTUS SUPPLEMENT

# **Jefferies**

, 2017