

STEMCELLS INC  
Form S-3/A  
July 18, 2008

As filed with the Securities and Exchange Commission on July 18, 2008

**Registration No. 333-151891**

**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**Pre-effective Amendment No. 1**  
**Form S-3**  
**REGISTRATION STATEMENT**  
**UNDER**  
**THE SECURITIES ACT OF 1933**  
**STEMCELLS, INC.**

*(Exact name of registrant as specified in its charter)*

**Delaware**  
*(State or other jurisdiction  
of incorporation or organization)*

**94-3078125**  
*(I.R.S. Employer  
Identification Number)*

**3155 Porter Drive**  
**Palo Alto, CA 94304**  
**(650) 475-3100**  
*(Address, including zip code, and telephone number, including area code of principal executive offices)*

**Kenneth B. Stratton, Esq.**  
**General Counsel**  
**StemCells, Inc.**  
**3155 Porter Drive**  
**Palo Alto, CA 94304**  
**(650) 475-3100**  
*(Name, address, including zip code, and telephone  
number, including area code, of agent for service)*

Please send copies of all communications to:

**Geoffrey Davis, Esq.**  
**Ropes & Gray LLP**  
**One International Place**  
**Boston, Massachusetts 02110**  
**(617) 951-7000**

**Approximate date of commencement of proposed sale to the public:** From time to time after the effectiveness of the Registration Statement.

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

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

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

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

offering.

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

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer  (Do not check if a smaller reporting company)

Smaller reporting company

**The Registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Security and Exchange Commission, acting pursuant to said section 8(a), may determine.**

---

**Explanatory Note**

StemCells, Inc. hereby amends Item 16 of Part II of the Registration Statement solely to file certain exhibits to the Registration Statement. This Pre-effective Amendment No. 1 to the Registration Statement does not modify any provision of Part I of the Registration Statement or Items 14, 15 or 17 of Part II of the Registration Statement.

---

**PART II**  
**INFORMATION NOT REQUIRED IN PROSPECTUS**

**Item 16. Exhibits.**

See Exhibit Index on page II-3 of this registration statement.

II-1

---

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Pre-effective Amendment No. 1 to the registration statement on Form S-3 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Palo Alto, State of California, on the 18th day of July, 2008.

**StemCells, Inc.**

By: /s/ Martin M. McGlynn  
Name: Martin M. McGlynn  
Title: President and Chief Executive  
Officer

\* \* \* \*

Pursuant to the requirements of the Securities Act of 1933, as amended, this Pre-effective Amendment No. 1 to the Registration Statement has been signed by the following persons in the capacities and on the dates indicated:

/s/ Martin M. McGlynn	President and Chief Executive Officer and Director (principal executive officer)	July 18, 2008
Martin M. McGlynn		
/s/ Rodney K.B. Young	Chief Financial Officer (principal financial officer)	July 18, 2008
Rodney K.B. Young		
/s/ George Koshy	Chief Accounting Officer (principal accounting officer)	July 18, 2008
George Koshy		
*	Director	July 18, 2008
Eric Bjerkholt		
*	Director	July 18, 2008
Ricardo B. Levy, Ph.D.		
*	Director	July 18, 2008
Desmond H. O Connell, Jr.		
*	Director	July 18, 2008
Roger M. Perlmutter, M.D.		
*	Director, Chairman of the Board	July 18, 2008
John J. Schwartz, Ph.D.		

\*

Director

July 18, 2008

Irving L. Weissman, M.D.

\*By: /s/Rodney K.B. Young  
Rodney K.B. Young  
Attorney-in-fact

II-2

---

**EXHIBIT INDEX**

The following is a list of exhibits filed as part of this registration statement.

<b>Exhibit</b>	<b>Description</b>
1.1(1)	Controlled Equity Offering Sales Agreement between StemCells, Inc. and Cantor Fitzgerald & Co. dated December 26, 2006
1.2(2)	Amendment No. 1 dated July 18, 2008 to the Controlled Equity Offering Sales Agreement between StemCells, Inc. and Cantor Fitzgerald & Co. dated December 26, 2006
4.1(3)	Form of Common Stock Warrant Agreement and Warrant Certificate
4.2(3)	Form of Preferred Stock Warrant Agreement and Warrant Certificate
4.3(3)	Form of Debt Securities Warrant Agreement and Warrant Certificate
4.4(4)	Form of Indenture
5.1(4)	Opinion of Ropes & Gray, LLP
5.2(2)	Opinion of Ropes & Gray, LLP
12.1(4)	Statement re: Computation of Ratios
23.1	Consent of Ropes & Gray LLP (included in Exhibits 5.1 and 5.2)
23.2(4)	Consent of Grant Thornton LLP
24.1(4)	Power of attorney
25.1(5)	Statement of Eligibility of Trustee Under Debt Indenture

- (1) Filed as Exhibit 10.1 to the Current Report on Form 8-K filed by the registrant on December 29, 2006 and incorporated by reference herein.
- (2) Filed herewith.
- (3) To be filed, if necessary, subsequent to the

effectiveness of this registration statement by an amendment to this registration statement or incorporated by reference pursuant to a Current Report on Form 8-K in connection with an offering of securities.

- (4) Previously filed.
- (5) To be filed separately pursuant to Section 305(b)(2) of the Trust Indenture Act of 1939.

II-3