

IDERA PHARMACEUTICALS, INC.

Form POS AM

May 08, 2007

As filed with the Securities and Exchange Commission on May 8, 2007

Registration Statement No. 333-136115

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**POST-EFFECTIVE AMENDMENT NO. 1 TO
FORM S-3
REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933**

IDERA PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

91-1513032

(I.R.S. Employer Identification No.)

**345 Vassar Street
Cambridge, Massachusetts 02139
(617) 679-5500**

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

**Sudhir Agrawal, D. Phil.
Chief Executive Officer
Idera Pharmaceuticals, Inc.
345 Vassar Street
Cambridge, Massachusetts 02139
(617) 679-5500**

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

Copies to:

Stuart M. Falber, Esq.
Wilmer Cutler Pickering Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
Telephone: (617) 526-6000
Telecopy: (617) 526-5000

Approximate date of commencement of proposed sale to public: As soon as practicable after this Registration Statement becomes effective.

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. ____.

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

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

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.

On August 9, 2006, the Securities and Exchange Commission declared effective the Registration Statement on Form S-3 (Registration No. 333-136115) (the Registration Statement) filed by Idera Pharmaceuticals, Inc. (Idera) with respect to the resale of an aggregate of 683,593 shares of common stock, par value \$.001 per share, of Idera (the Shares). This Post-Effective Amendment No. 1 to the Registration Statement is being filed in order to terminate the Registration Statement, as all of the Shares have been sold.

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 this Post-Effective Amendment No. 1 to the Registration Statement on Form S-3 and has duly caused this Post-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 Cambridge, Commonwealth of Massachusetts, on May 8, 2007.

IDERA PHARMACEUTICALS, INC.

By: /s/ Sudhir Agrawal
Sudhir Agrawal, D. Phil.
Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this Post-Effective Amendment No. 1 to the Registration Statement on Form S-3 has been signed by the following persons in the capacities and on the dates indicated.

| | <u>Title</u> | <u>Date</u> |
|---------------------------|---|-------------|
| * | Chairman of the Board of Directors | |
| James B. Wyngaarden, M.D. | | |
| /s/ Sudhir Agrawal | Chief Executive Officer, Chief Scientific Officer and Director | May 8, 2007 |
| Sudhir Agrawal, D. Phil. | (Principal Executive Officer) | |
| * | President and Director | |
| Robert W. Karr, M.D. | | |
| /s/ Robert G. Andersen | Chief Financial Officer, Vice President of Operations, | May 8, 2007 |
| Robert G. Andersen | Treasurer and Secretary (Principal Financial and Accounting Officer) | |
| * | Director | |
| Youssef El-Zein | | |
| * | Director | |
| C. Keith Hartley | | |
| * | Director | |
| William S. Reardon | | |

*

Director

Alison Taunton-Rigby, Ph.D.

*By:/s/Sudhir Agrawal

Sudhir Agrawal, D.Phil,
Attorney-in-fact