

LEDERMAN DAVID M  
Form SC 13G/A  
March 02, 2007

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

SCHEDULE 13G  
UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(AMENDMENT NO. 3) \*

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ABIOMED, Inc.

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(Name of Issuer)

Common Stock, par value \$0.01 per share

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(Title of Class of Securities)

003654100

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(CUSIP Number)

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

- Rule 13d-1 (b)
- Rule 13d-1 (c)
- Rule 13d-1 (d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which could alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the

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Notes).

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CUSIP NO. 003654100	SCHEDULE 13G	PAGE 2 OF 6 PAGES
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1. NAME OF REPORTING PERSONS.  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).

Dr. David M. Lederman, husband of Ms. Natalie F. Lederman

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  
(a)   
(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION:

United States

5. SOLE VOTING POWER:

881,136

NUMBER  
OF SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

6. SHARED VOTING POWER:

0

7. SOLE DISPOSITIVE POWER:

881,136

8. SHARED DISPOSITIVE POWER:

0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON:

881,136

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  
(SEE INSTRUCTIONS)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9):

3.2%

12. TYPE OF REPORTING PERSON: (SEE INSTRUCTIONS)

IN

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1. NAME OF REPORTING PERSONS.  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).  
  
Ms. Natalie F. Lederman, wife of Dr. David M. Lederman

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2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  
(a)   
(b)

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3. SEC USE ONLY

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4. CITIZENSHIP OR PLACE OF ORGANIZATION:  
  
United States

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	5. SOLE VOTING POWER:
	545,700
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6. SHARED VOTING POWER:
	0
	7. SOLE DISPOSITIVE POWER:
	545,700
	8. SHARED DISPOSITIVE POWER:
	0

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9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON:  
  
545,700

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10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

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11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9):  
  
2.0%

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12. TYPE OF REPORTING PERSON: (SEE INSTRUCTIONS)  
  
IN

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ITEM 1(a). NAME OF ISSUER: ABIOMED, Inc.

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:  
22 Cherry Hill Drive, Danvers, Massachusetts 01923

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ITEM 2(a). NAME OF PERSON FILING: Dr. David M. Lederman, husband of Ms. Natalie F. Lederman, and Ms. Natalie F. Lederman, wife of Dr. David M. Lederman

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE, OR, IF NONE, RESIDENCE:  
c/o Analytical LLC, P.O. Box 7015, Beverly, MA 01915

ITEM 2(c). CITIZENSHIP: United States

ITEM 2(d). TITLE OF CLASS OF SECURITIES: Common Stock, par value \$0.01 per share

ITEM 2(e). CUSIP NO.: 003654100

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO SS.SS. 240.13d-1(b) OR 240.13-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e)  An investment adviser in accordance with ss.240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with ss.240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with ss. 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with ss.240.13d-1(b)(1)(ii)(J).

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ITEM 4. OWNERSHIP

- (a) Amount Beneficially Owned: As of February 28, 2007, Dr. Lederman beneficially owns 881,136 shares of Common Stock, which amount includes 355,000 shares of Common Stock issuable upon the exercise of stock options that are currently vested, or which will vest within 60 days of the date of this filing. Ms. Lederman beneficially owns 545,700 shares of Common Stock. Each of them disclaims beneficial ownership of the shares held by the other.
- (b) Percent of Class: Dr. Lederman 3.2%; Ms. Lederman 2.0%; Total 5.2%.
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or to direct the vote:

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Dr. Lederman: 881,136 shares  
Ms. Lederman: 545,700 shares  
Total: 1,426,836 shares  
(ii) Shared power to vote or direct the vote: 0  
(iii) Sole power to dispose or to direct the disposition of:  
Dr. Lederman: 881,136 shares  
Ms. Lederman: 545,700 shares  
Total: 1,436,836 shares  
(iv) shared power to dispose or to direct the disposition of: 0

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [ ] .

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

Not Applicable.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED BY THE PARENT HOLDING COMPANY OR CONTROL PERSON

Not Applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Not Applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not Applicable.

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ITEM 10. CERTIFICATION

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

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/s/ David M. Lederman

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David M. Lederman, Ph.D.

March 1, 2007

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Date

/s/ Natalie F. Lederman

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Natalie F. Lederman

March 1, 2007

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Date