

Edgar Filing: LEDERMAN DAVID M - Form SC 13G/A

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:

764,300

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

6. SHARED VOTING POWER:

0

7. SOLE DISPOSITIVE POWER:

764,300

8. SHARED DISPOSITIVE POWER:

0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON:

764,300

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

[]

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

2.87%

12. TYPE OF REPORTING PERSON: (SEE INSTRUCTIONS)

IN

Page 2 of 6 Pages

CUSIP NO. 003654100

SCHEDULE 13G

PAGE 3 OF 6 PAGES

1. NAME OF REPORTING PERSONS.

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).

Mrs. Natalie F. Lederman, wife of Dr. Davis M. Lederman

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

Edgar Filing: LEDERMAN DAVID M - Form SC 13G/A

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION:

United States

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

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON:

545,700

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

[]

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

2.05%

12. TYPE OF REPORTING PERSON: (SEE INSTRUCTIONS)

IN
=====

Page 3 of 6 Pages

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

ITEM 2(A). NAME OF PERSON FILING: Dr. David M. Lederman, husband of Mrs.
Natalie F. Lederman, and Mrs. 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, Massachusetts 01915

ITEM 2(C). CITIZENSHIP: United States

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

Edgar Filing: LEDERMAN DAVID M - Form SC 13G/A

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).

Page 4 of 6 Pages

ITEM 4. OWNERSHIP

- (a) Amount Beneficially Owned: Dr. Lederman owns 764,300 shares of Common Stock, including 205,000 in-the-money options vested as of this date. Mrs. Lederman owns 545,700 shares of Common Stock. Each of them disclaims beneficial ownership of the shares held by the other.

Dr. Lederman and Mrs. Lederman serve as Trustees of a charitable Foundation which owns 65,000 shares of Common Stock. Both Dr. Lederman and Mrs. Lederman disclaim beneficial ownership of the shares held by the charitable Foundation, and these have not been included above.

- (b) Percent of Class: Dr. Lederman 2.87%; Mrs. Lederman 2.05%; Total 4.92%.
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote:

Dr. Lederman:	764,300 shares
Mrs. Lederman:	545,700 shares
Total:	1,310,000 shares

Edgar Filing: LEDERMAN DAVID M - Form SC 13G/A

- (ii) Shared power to vote or direct the vote:
Dr. Lederman and Mrs. Lederman, as fiduciaries:
65,000 shares
- (iii) Sole power to dispose or to direct the disposition of:
Dr. Lederman: 764,300 shares
Mrs. Lederman: 545,700 shares
Total: 1,310,000 shares
- (iv) Shared power to dispose or to direct the disposition of:
Dr. Lederman and Mrs. Lederman, as fiduciaries:
65,000 shares

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.

Page 5 of 6 Pages

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Not Applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not Applicable.

ITEM 10. CERTIFICATION

By signing below we certify that, to the best of our 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 our knowledge and belief, we certify that the information set forth in this statement is true, complete and correct.

/s/ David M. Lederman

David M. Lederman, Ph.D.

Edgar Filing: LEDERMAN DAVID M - Form SC 13G/A

Jan 3, 2007

Date

/s/ Natalie F. Lederman

Natalie F. Lederman

Jan 3, 2007

Date

Page 6 of 6 Pages