GREAT POINT PARTNERS LLC Form SC 13G

March 22, 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. ____) *

ABIOMED, INC.								
(Name of Issuer)								
COMMON STOCK								
(Title of Class of Securities)								
003654100								
(CUSIP Number)								
MARCH 15, 2007								
(Date of Event which Requires Filing of this Statement)								
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:								
[] Rule 13d-1(b)								
[X] 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 would 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 Notes).

PERSONS WHO RESPOND TO THE COLLECTION OF INFORMATION CONTAINED IN THIS FORM ARE NOT REQUIRED TO RESPOND UNLESS THE FORM DISPLAYS A CURRENTLY VALID OMB CONTROL NUMBER.

	. 76028H100		13G				Pages
1.	NAMES OF REPO	ORTIN	IG PERSONS				
	Great Point F	artr	ners, LLC				
	I.R.S. IDENTI	FICA	ATION NO. OF ABOVE PERSON (ENTITIES (ONLY):	:		
	37-1475292						
2. CHE	CK THE APPROF	PRIAT	CE BOX IF A MEMBER OF A GROUP				
	(b) []						
3.	SEC USE ONLY						
4.	CITIZENSHIP C	PI	ACE OF ORGANIZATION				
	USA						
NUMBER O	F SHARES	5.	SOLE VOTING POWER				
BENEFI	CIALLY	6.	SHARED VOTING POWER				
OWNED B	Y EACH		1,600,000				
REPORTIN	G PERSON	7.	SOLE DISPOSITIVE POWER				
WI	TH	8.	SHARED DISPOSITIVE POWER				
			1,600,000				
9.	AGGREGATE AMO	DUNT	BENEFICIALLY OWNED BY EACH REPORTING	G PERS	SON		
	1,600,0	000					
10.	CHECK BOX IF (See Instruct		AGGREGATE AMOUNT IN ROW (9) EXCLUDES	S CERI	ΊΙΑΊ	N SI	RES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11.

			5.98%			
12.	TYPE	OF	REPORTING	PERSON	(See	Instructions)

	00								
CUSIP NO	. 76028Н1	00	13G	Page	3 of	8 Pages			
1. 1	NAMES OF R	EPORTI	NG PERSONS						
Ι	Dr. Jeffrey R. Jay, M.D.								
-	I.R.S. IDE	NTIFICA	ATION NO. OF ABOVE PERSON (ENTITIES	ONLY):	:				
	CK THE APP (a) []	ROPRIAT	TE BOX IF A MEMBER OF A GROUP						
	(b) []								
3.	SEC USE ON	LY							
4.	CITIZENSHI	P OR PI	LACE OF ORGANIZATION						
Ţ	JSA								
		5.	SOLE VOTING POWER						
NUMBER OF SHARES			0						
BENEFICIALLY 6		6.	SHARED VOTING POWER						
OWNED BY		7.	1,600,000 SOLE DISPOSITIVE POWER						
WITH 8.			0						
		8.	SHARED DISPOSITIVE POWER						
			1,600,000						
9. 1	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTIN	NG PERS	SON				
	1,60	0,000							
	CHECK BOX (See Instr		AGGREGATE AMOUNT IN ROW (9) EXCLUDES)	ES CERI	rain s	SHARES			

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

5.98%

12. TYPE OF REPORTING PERSON (See Instructions)

ΙN

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ITEM 1.

(a) Name of Issuer

ABIOMED, Inc.

(b) Address of Issuer's Principal Executive Offices

22 Cherry Hill Drive Danvers, MA 01923

ITEM 2.

(a) Name of Person Filing

Great Point Partners, LLC Dr. Jeffrey R. Jay, M.D.

The Reporting Persons have entered into a Joint Filing Agreement, dated March 22, 2007, a copy of which is filed with this Schedule 13G as Exhibit A, pursuant to which the Reporting Persons have agreed to file this statement jointly in accordance with the provisions of Rule 13d-1(k) (1) under the Act.

(b) Address of Principal Business Office, or if none, Residence

165 Mason Street, 3rd Floor Greenwich, CT 06830

(c) Citizenship

Great Point Partners, LLC is a limited liability company organized under the laws of the State of Delaware. Dr. Jeffrey R. Jay, M.D. is a citizen of the United States.

(d) Title of Class of Securities

Common Stock

(e) CUSIP Number

003654100

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

Not Applicable.

- (a) [] Broker or dealer registered under Section 15 of the Act (15
- (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).

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- (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).

ITEM 4. OWNERSHIP

Great Point Partners, LLC ("Great Point") is the investment manager of Biomedical Value Fund, L.P. ("BVF"), and by virtue of such status may be deemed to be the beneficial owner of the 864,000 shares of Common Stock of the Issuer owned by BVF (the "BVF Shares"). Dr. Jeffrey R. Jay, M.D. ("Dr. Jay"), as senior managing member of Great Point, has voting and investment power with respect to the BVF Shares, and therefore may be deemed to be the beneficial owner of the BVF Shares.

Great Point is the investment manager of Biomedical Offshore Value Fund, Ltd. ("BOVF"), and by virtue of such status may be deemed to be the beneficial owner of the 736,000 shares of Common Stock of the Issuer owned by BOVF (the "BOVF Shares"). Dr. Jay, as senior managing member of Great Point, has voting and investment power with respect to the BOVF Shares, and therefore may be deemed to be the beneficial owner of the BOVF Shares.

Great Point and Dr. Jay disclaim beneficial ownership of the BVF Shares and the BOVF Shares, except to the extent of their respective pecuniary interest.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- 1. GREAT POINT PARTNERS, LLC
- (a) Amount beneficially owned: 1,600,000
- (b) Percent of class: 5.98%.
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote: -0 -
 - (ii) Shared power to vote or to direct the vote: 1,600,000
 - (iii) Sole power to dispose or to direct the disposition of: $-\ 0\ -.$
 - (iv) Shared power to dispose or to direct the disposition of: 1,600,000
- 2. DR. JEFFREY R. JAY, M.D.
- (a) Amount beneficially owned: 1,600,000
- (b) Percent of class: 5.98%.

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- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote: 0.
 - (ii) Shared power to vote or to direct the vote: 1,600,000
 - (iii) Sole power to dispose or to direct the disposition of: 0.
 - (iv) Shared power to dispose or to direct the disposition of: 1,600,000

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 each of the Reporting Persons 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:

See item 4.

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

Not Applicable.

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 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 participant in any transaction having that purpose or effect.

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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.

Date: March 22, 2007

GREAT POINT PARTNERS, LLC

By: /s/ Dr. Jeffrey R. Jay, M.D.

Dr. Jeffrey R. Jay, M.D., as senior managing member

/s/ Dr. Jeffrey R. Jay, M.D.

DR. JEFFREY R. JAY, M.D.

Exhibit A

AGREEMENT REGARDING THE JOINT FILING OF SCHEDULE 13G

The undersigned hereby agree as follows:

- (i) Each of them is individually eligible to use the Schedule 13G to which this Exhibit is attached, and such Schedule 13G is filed on behalf of each of them; and
- (ii) Each of them is responsible for the timely filing of such Schedule 13G and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.

Date: March 22, 2007

GREAT POINT PARTNERS, LLC

By: /s/ Dr. Jeffrey R. Jay, M.D.

Dr. Jeffrey R. Jay, M.D., as senior managing member

/s/ Dr. Jeffrey R. Jay, M.D.

DR. JEFFREY R. JAY, M.D.