SHEFFERY MICHAEL B

Form 4 March 18, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number: January 31,

2005 Estimated average burden hours per

response... 0.5

Expires:

5. Relationship of Reporting Person(s) to

Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

1. Name and Address of Reporting Person *

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

(Print or Type Responses)

1(b).

SHEFFERY MICHAEL B Issuer Symbol ATHERSYS, INC / NEW [ATHX] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Officer (give title Other (specify 767 THIRD AVENUE, 30TH 03/16/2009 below) **FLOOR** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting NEW YORK, NY 10017 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired 5. Amount of 7. Nature of 3. Transaction(A) or Disposed of (D) Security (Month/Day/Year) Execution Date, if Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4) Code V (D) Price Amount By Common 03/16/2009 P 52,200 3,500,200 Ι **Partnerships** Stock (1)(2)By Common P Ι 03/17/2009 110,000 3,610,200 Partnerships Stock (1)(2)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | e and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|-------------|--------------|----------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | orNumber | Expiration D | ate | Amou | nt of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underl | lying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securit | ties | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | · | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | | or | | |
| | | | | | | Exercisable | Date | Title Number | | | |
| | | | | C 1 W | (A) (D) | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--------------------------------|---------------|-----------|---------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| SHEFFERY MICHAEL B | | | | | | | |
| 767 THIRD AVENUE | X | | | | | | |
| 30TH FLOOR | Λ | | | | | | |

Signatures

NEW YORK, NY 10017

/s/ Michael B. 03/18/2009 Sheffery

Date **Signature of Reporting Person

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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The Reporting Person is a partner of OrbiMed Advisors LLC ("Advisors") and OrbiMed Capital GP III LLC ("Capital"). The amount shown represents (i) 3,576,200 shares of Common Stock held directly by Caduceus Private Investments III, LP ("Caduceus") and (ii)

- (1) 34,000 shares of Common Stock held directly by OrbiMed Associates III, LP ("Associates"). Advisors, pursuant to its authority under its investment advisory contract with Associates, may be considered to hold indirectly 34,000 shares of Common Stock and Capital, pursuant to its authority as general partner of Caduceus, may be considered to hold indirectly 3,576,200 shares of Common Stock.
- The Reporting Person disclaims beneficial ownership except to the extent of his pecuniary interest. This report shall not be deemed an admission that the Reporting Person is a beneficial owner for the purpose of Section 16 of the Exchange Act of 1934, as amended, or for

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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