

SHEFFERY MICHAEL B
 Form 4
 June 14, 2010

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 SHEFFERY MICHAEL B

2. Issuer Name and Ticker or Trading Symbol
 ATHERSYS, INC / NEW [ATHX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 767 THIRD AVENUE
 (Street)

3. Date of Earliest Transaction
 (Month/Day/Year)
 06/10/2010

Director 10% Owner
 Officer (give title below) Other (specify below)

NEW YORK, NY 10017
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

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

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SEC 1474 (9-02)

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--------------------------------------------|------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|
|--------------------------------------------|------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|

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| Derivative Security | | | or Disposed of (D) (Instr. 3, 4, and 5) | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
|-------------------------------------------|---------|------------|-----------------------------------------|--------|------------------|-----------------|--------------|----------------------------|
| | | | Code | V | | | | |
| Director stock option (right to purchase) | \$ 2.94 | 06/10/2010 | A | 15,000 | (1) | 06/10/2015 | Common Stock | 15,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--------------------------------------------------------------|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| SHEFFERY MICHAEL B 767 THIRD AVENUE NEW YORK, NY 10017 | X | X | | |

Signatures

/s/ Laura K. Campbell, as attorney-in-fact for Michael B. Sheffery 06/14/2010

__Signature of Reporting Person Date

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).
- (1) The option vests 50%/25%/25% over three years in quarterly increments.
The option was granted to Dr. Sheffery, a director of Athersys. Dr. Sheffery is also a partner of OrbiMed Advisors LLC and OrbiMed Capital GP III LLC, which is the General Partner of Caduceus Private Investments III, LP. Dr. Sheffery is obligated to transfer any shares issued under the option to Caduceus Private Investments III, LP and OrbiMed Associates III, LP.

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.