ISALY SAMUEL D Form 4

FORM 4

April 29, 2011

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

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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, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** ORBIMED ADVISORS LLC			2. Issuer Name and Ticker or Trading Symbol ATHERSYS, INC / NEW [ATHX]	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)		(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
767 3RD AVENUE, 30TH FLOOR		H FLOOR	(Month/Day/Year) 04/11/2011	DirectorX 10% Owner Officer (give title below) Other (specify below)			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
NEW YORK, NY 10017			Filed(Month/Day/Year)	Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person			

(City)	(State) (Zip) Table	e I - Non-D	erivative S	Securi	ties Acq	uired, Disposed o	of, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securit on(A) or Dis (Instr. 3, 4)	sposed	of (D)	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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	04/11/2011		S	12,900 (1)	D	\$ 2.91 (5)	1,775,200	I	See Footnotes (2) (3)
Common Stock	04/11/2011		S	100 (4)	D	\$ 2.91 (5)	16,900	I	See Footnote (3)
Common Stock	04/12/2011		S	14,200 (1)	D	\$ 2.9 (6)	1,761,000	I	See Footnotes (2) (3)
Common Stock	04/12/2011		S	100 (4)	D	\$ 2.9 (6)	16,800	I	See Footnote (3)

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Common Stock	04/13/2011	S	47,200 (1)	D	\$ 2.94 (7)	1,713,800	I	See Footnotes (2) (3)
Common Stock	04/13/2011	S	500 (4)	D	\$ 2.94 (7)	16,300	I	See Footnotes (3)
Common Stock	04/14/2011	S	20,700 (1)	D	\$ 2.91 (8)	1,693,100	I	See Foonotes (2) (3)
Common Stock	04/14/2011	S	200 (4)	D	\$ 2.91 (8)	16,100	I	See Foonote (3)
Common Stock	04/15/2011	S	29,900 (1)	D	\$ 2.9 (8)	1,663,200	I	See Footnotes (2) (3)
Common Stock	04/15/2011	S	300 (4)	D	\$ 2.9 (8)	15,800	I	See Footnote (3)
Common Stock	04/18/2011	S	15,600 (1)	D	\$ 2.93	1,647,600	I	See Footnotes
Common Stock	04/18/2011	S	100 (4)	D	\$ 2.93	15,700	I	See Footnote (3)
Common Stock	04/20/2011	S	1,300 (1)	D	\$ 2.9	1,646,300	I	See Footnotes (2) (3)
Common Stock	04/21/2011	S	1,975 (1)	D	\$ 2.9 (9)	1,644,325	I	See Footnotes (2) (3)
Common Stock	04/21/2011	S	25 (4)	D	\$ 2.9 (9)	15,675	I	See Footnote (3)
Common Stock	04/25/2011	S	36,250 (1)	D	\$ 2.9 (10)	1,608,075	I	See Footnotes
Common Stock	04/25/2011	S	350 (4)	D	\$ 2.9 (10)	15,325	I	See Footnote (3)
Common Stock	04/26/2011	S	7,625 (1)	D	\$ 2.9 (11)	1,600,450	I	See Footnotes
Common Stock	04/26/2011	S	75 <u>(4)</u>	D	\$ 2.9 (11)	15,250	I	See Footnote (3)

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. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	T:41-	or Name land		
						Exercisable	Date	Title	Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
ORBIMED ADVISORS LLC 767 3RD AVENUE, 30TH FLOOR NEW YORK, NY 10017		X						
OrbiMed Capital GP III LLC 767 3RD AVENUE, 30TH FLOOR NEW YORK, NY 10017		X						
ISALY SAMUEL D 767 3RD AVENUE, 30TH FLOOR NEW YORK, NY 10017		X						

Signatures

/s/ Samuel D.
Isaly

**Signature of Reporting Person

O4/29/2011

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) These Shares are directly owned by OrbiMed Private Investments III, LP ("OPI III") and may be deemed to be indirectly beneficially owned by OrbiMed Capital GP III LLC ("Capital"), OrbiMed Advisors LLC ("Advisors") and Samuel D. Isaly ("Isaly"). Capital is the sole general partner of OPI III. Advisors, a registered adviser under the Investment Advisers Act of 1940, as amended, is the sole managing member of Capital. Pursuant to those relationships, Capital and Advisors have discretionary investment management

Reporting Owners 3

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authority with respect to the assets of OPI III. Such authority includes the power to vote and otherwise dispose of securities held by OPI III

- Isaly, a natural person, is the managing member of, and holder of a controlling interest, in Advisors. In such capacity, Isaly may also be deemed to have investment and voting power over the Shares held by OPI III. As a result, each of Capital, Advisors and Isaly may be deemed to have beneficial ownership of the Shares held by OPI III.
- This report on Form 4 is jointly filed by Capital, Advisors and Isaly. Each of the reporting persons disclaims beneficial ownership of the Shares reported herein for purposes of Rule 16a-1(a) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), except to the extent of its or his pecuniary interest therein, if any. This report shall not be deemed an admission that the reporting persons are beneficial owners for the purpose of Section 16 of the Exchange Act, or for any other purpose.
- These Shares are directly owned by OrbiMed Associates III, LP ("Associates") and may be deemed to be indirectly beneficially owned by Advisors and Isaly. Advisors is the sole general partner of Associates. Pursuant to that relationship, Advisors has discretionary investment management authority with respect to the assets of Associates. Such authority includes the power to vote and otherwise dispose of securities held by Associates. Isaly, in his capacity as the managing member of, and holder of a controlling interest, in Advisors, may also be deemed to have voting and investment power over the Shares held by Associates. As a result, each of Advisors and Isaly may be deemed to have beneficial ownership of the Shares held by Associates.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.91 to \$2.92, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.90 to \$2.94, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.90 to \$2.97, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- (8) The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.90 to \$2.93, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.90 to \$2.91, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- (10) The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.90 to \$2.92, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$2.88 to \$2.90, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.

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.