FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL							
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

		f Reporting Persor	<b>1</b> *							neck all appl	icable) or	ng Person(s) to Issuer		vner				
(Last)						04/01/2009								Office	r (give title		Other (s	specify
280 EAST GRAND AVENUE				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)					
(Street) SOUTH FRANCE	( )	A 9	94080										X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(Si	tate) (	Zip)															
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
Date			2. Transa Date (Month/D	ay/Year) if a		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. r) 8)		4. Securities Acquired Disposed Of (D) (Instr. and 5)			Securit Benefic Owned	ies cially	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) c	Price	Following Reported Transaction(s) (Instr. 3 and 4)				(instr. 4)
Common	Stock											1	1,500		D			
Common Stock														500			by Spouse	
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 Derivative Security	3. Transaction Date (Month/Day/Year)	Transaction te		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ow Fo Dir or (I)	vnership rm: rect (D) Indirect (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)							
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	Amount or Number of Shares					
Non- Qualified Stock Option (right to buy)	\$1.75	04/01/2009			A		21,428		05/01/2009	(1) 0	4/01/2019	Common Stock	21,428	<b>\$0.7</b> <sup>(2)</sup>	21,428		D	
Non- Qualified Stock Option (right to buy)	\$1.95								03/19/2009	(3)	2/19/2019	Common Stock	30,000		30,000		D	

## **Explanation of Responses:**

- 1. This option shall vest and become exercisable as to 21,428 shares divided into equal monthly installments such that the option shall be 100% vested on January 1, 2010.
- 2. This option was issued to the reporting person pursuant to the Cytokinetics 2004 Equity Incentive Plan in lieu of annual retainer of \$15,000.
- 3. This option shall vest and become exercisable as to 833 shares on 03/19/09 and the balance of 29,167 divided into equal monthly installments thereafter such that the option shall be 100% vested on 02/19/12.

By: Sharon Barbari For: John T. Henderson 04/02/2009

\*\* Signature of Reporting Person Date

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

- \* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.