WOLFF ANDREW A

Form 4

February 26, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

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Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **WOLFF ANDREW A**

2. Issuer Name and Ticker or Trading Symbol

CYTOKINETICS INC [CYTK]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

Director

10% Owner Other (specify

280 EAST GRAND AVENUE

(Month/Day/Year) 02/24/2010

X_ Officer (give title below)

(Check all applicable)

below)

SVP Clinical R&D, CMO

(Street)

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

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

SOUTH SAN FRANCISCO, CA 94080

> (City) (State) (Zip)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned **Following**

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A) or

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

5,000 D

Common Stock

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)

(9-02)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed or (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Ar Underlying Se (Instr. 3 and 4)
				Code V	(A) (D	Date Exercisable	Expiration Date	Title G
Incentive Stock Option (right to buy)	\$ 3.08	02/24/2010		A	42,084	03/24/2010(1)	02/24/2020	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 3.08	02/24/2010		A	92,916	03/24/2010(1)	02/24/2020	Common Stock
Incentive Stock Option (right to buy)	\$ 1.85					03/26/2009(2)	02/26/2019	Common Stock
Incentive Stock Option (right to buy)	\$ 3.37					03/29/2008(3)	02/28/2018	Common Stock
Incentive Stock Option (right to buy)	\$ 6.59					04/11/2005(4)	04/11/2015	Common Stock
Incentive Stock Option (right to buy)	\$ 6.81					04/01/2007(5)	03/14/2017	Common Stock
Incentive Stock Option (right to buy)	\$ 7.15					03/01/2006(6)	03/01/2016	Common Stock
Incentive Stock Option (right to buy)	\$ 9.91					09/20/2005(7)	10/20/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 1.85					03/26/2009(2)	02/26/2019	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 3.37					03/29/2008(3)	02/28/2018	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 6.59					04/11/2005(4)	04/11/2015	Common Stock
Non-Qualified	\$ 6.81					04/01/2007(5)	03/14/2017	Common

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Stock Option (right to buy)				Stock
Non-Qualified Stock Option (right to buy)	\$ 7.15	03/01/2006(6)	03/01/2016	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 9.91	09/20/2005(7)	10/20/2014	Common Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

WOLFF ANDREW A 280 EAST GRAND AVENUE SOUTH SAN FRANCISCO, CA 94080

SVP Clinical R&D, CMO

Signatures

Andrew A. Wolff, M.D. 02/25/2010

**Signature of Reporting Date
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).
- When the ISO and NQ dated 02/24/2010 are combined for a total grant of 135,000 shares, the option shall vest and become exercisable as (1) to 2,812 shares on 03/24/2010 and the balance of 132,188 divided into equal monthly installments thereafter such that the option shall be 100% vested on 02/24/2014.
- When the ISO and NQ dated 02/26/2009 are combined for a total grant of 130,000 shares, the option shall vest and become exercisable as (2) to 2,708 shares on 03/26/09 and the balance of 127,292 divided into equal monthly installments thereafter such that the option shall be 100% vested on 02/26/13.
- When the ISO and NQ dated 02/29/2008 are combined for a total grant of 125,000 shares, the option shall vest and become exercisable as to 2,604 shares on 03/29/08 and the balance of 122,396 divided into equal monthly installments thereafter such that the option shall be 100% vested on 02/29/12.
- (4) When the ISO and NQ dated 04/11/05 are combined for a total grant of 12,500 shares, the option shall vest and become exercisable as to 12,500 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2009.
- When the ISO and NQ dated 03/14/2007 are combined for a total grant of 55,000 shares, the option shall vest and become exercisable as (5) to 1,146 shares on 04/01/07 and the balance of 53,854 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/01/11.
- When the ISO and NQ dated 03/01/2006 are combined for a total grant of 60,000 shares, the option shall vest and become exercisable as to 60,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2010.
- When the ISO and NQ dated 10/20/04 are combined for a total grant of 110,000 shares, the option shall vest and become exercisable as to 27,500 shares on 09/20/05 and the balance of 82,500 divided into equal monthly installments thereafter such that the option shall be 100% vested on 09/20/08.

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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