

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

1. Name and Address of Reporting Person* <u>McDowell Caryn Gordon</u> (Last) (First) (Middle) 280 EAST GRAND AVENUE (Street) SOUTH SAN FRANCISCO CA 94080 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>CYTKINETICS INC [CYTK]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>GC & Chief Compliance Officer</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>10/06/2017</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	10/06/2017		M ⁽¹⁾		6,357	A	\$6.37	24,726	D	
Common Stock	10/06/2017		S ⁽²⁾		2,000	D	\$15.2	22,726	D	
Common Stock	10/06/2017		M ⁽¹⁾		1,507	A	\$6.67	24,233	D	
Common Stock	10/06/2017		S ⁽²⁾		500	D	\$15.25	23,733	D	
Common Stock	10/06/2017		M ⁽¹⁾		3,719	A	\$6.67	27,452	D	
Common Stock	10/06/2017		S ⁽²⁾		383	D	\$15.275	27,069	D	
Common Stock	10/06/2017		S ⁽²⁾		1,094	D	\$15.3	25,975	D	
Common Stock	10/06/2017		S ⁽²⁾		200	D	\$15.325	25,775	D	
Common Stock	10/06/2017		S ⁽²⁾		1,106	D	\$15.35	24,669	D	
Common Stock	10/06/2017		S ⁽²⁾		600	D	\$15.4	24,069	D	
Common Stock	10/06/2017		S ⁽²⁾		200	D	\$15.5	23,869	D	
Common Stock	10/06/2017		S ⁽²⁾		700	D	\$15.55	23,169	D	
Common Stock	10/06/2017		S ⁽²⁾		400	D	\$15.575	22,769	D	
Common Stock	10/06/2017		S ⁽²⁾		1,100	D	\$15.6	21,669	D	
Common Stock	10/06/2017		S ⁽²⁾		200	D	\$15.625	21,469	D	
Common Stock	10/06/2017		S ⁽²⁾		700	D	\$15.65	20,769	D	
Common Stock	10/06/2017		S ⁽²⁾		800	D	\$15.675	19,969	D	
Common Stock	10/06/2017		S ⁽²⁾		1,100	D	\$15.7	18,869	D	
Common Stock	10/06/2017		S ⁽²⁾		100	D	\$15.725	18,769	D	
Common Stock	10/06/2017		S ⁽²⁾		200	D	\$15.75	18,569	D	
Common Stock	10/06/2017		S ⁽²⁾		200	D	\$15.95	18,369	D	
Common Stock	10/06/2017		S ⁽²⁾		1,598	D	\$15.7	16,771	D	

**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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Incentive Stock Option (right to buy)	\$6.37	10/06/2017		M			6,357	05/29/2016	05/29/2025	Common Stock	6,357	\$0.0	12,500	D	
Incentive Stock Option (right to buy)	\$6.67	10/06/2017		M			3,719	03/23/2016	02/23/2026	Common Stock	3,719	\$0.0	19,996	D	
Non-Qualified Stock Option (right to buy)	\$6.67	10/06/2017		M			1,507	03/23/2016	02/23/2026	Common Stock	1,507	\$0.0	1,152	D	

Explanation of Responses:

- The exercise reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on June 13, 2017.
- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on June 13, 2017.

Caryn McDowell 10/10/2017
** 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.

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