FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL | | | | | | | | |
|--------------|----------|--|--|--|--|--|--|--|
| OMB Number: | 3235-028 | | | | | | | |

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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).

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* Kaye Edward M. MD | | | | | 2. Issuer Name and Ticker or Trading Symbol CYTOKINETICS INC [CYTK] | | | | | (Ch | Relationship eck all appli X Directo | cable) | g Perso | n(s) to Iss 10% Ow Other (s | ner | |
|--|--|------------|------------------------------------|--|--|-------------------|----------------------|--|--------------------|---|---|--|---|--|---------------------------------------|--|
| (Last) (Filst) (Midule) | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 01/02/2020 | | | | | | below) | | | below) | pecity | |
| (Street) SOUTH SAN FRANCISCO CA 94080 | | | 4 | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | Line | Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | | |
| (City) | (St | rate) (| (Zip) | | | | | | | | | | | | | |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | | | | | | |
| Date | | | . Transactic ate Month/Day/` | Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 3, 4 5) | | Code (Instr. 5) | | ed (A) or str. 3, 4 and | Benefici | es ally Following | 6. Owner Form: I (D) or In (I) (Inst | Direct condirect E r. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | | |
| | | | | | | Price | Transac (Instr. 3 | action(s) | | | ,, | | | | | |
| 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) | erivative Conversion Date Execution Date, Treecurity or Exercise (Month/Day/Year) if any C | | | Code | ransaction of ode (Instr. Derivative | | | 6. Date Exercisable and Expiration Date (Month/Day/Year) (Month/Day/Year) 7. Title and Amount of Securities Underlying Derivative Second (Instr. 3 and 4 | | f g Security | 8. Price of Derivative Security (Instr. 5) | 9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4) | ly OF | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) | |
| | | | | Code | v | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | | |
| Non- Qualified Stock Option (right to buy) | \$10.55 | 01/02/2020 | | А | | 1,517 | | (1) | 01/02/2030 | Common Stock | 1,517 | \$10.55 | 1,517 | | D | |

Explanation of Responses:

 $1.\ This\ option\ shall\ vest\ and\ become\ exercisable\ in\ 12\ equal\ monthly\ installments\ and\ shall\ become\ fully\ vested\ on\ January\ 2,\ 2021.$

By: Robert Wong For: Edward

Kaye, M.D

01/06/2020

** 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.