

| 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* | | | 2. Issuer Name and Ticker or Trading Symbol | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | |
| <u>Jaw Ching</u> | | | <u>CYTOKINETICS INC [CYTK]</u> | | | Director 10% Owner | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) | | | X Officer (give title below) Other (specify below) | | |
| 280 EAST GRAND AVENUE | | | 02/27/2018 | | | SVP Finance & CFO | | |
| (Street) | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | |
| SOUTH SAN FRANCISCO CA 94080 | | | | | | X Form filed by One Reporting Person | | |
| (City) | (State) | (Zip) | | | | Form filed by More than One Reporting Person | | |

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 | 02/27/2018 | | A | | 20,000 | A | \$0.001 | 20,000 ⁽¹⁾ | 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) | \$7.8 | 02/27/2018 | | A | | 1,667 | | (2) | 02/27/2028 | Common Stock | 1,667 | \$0.0 | 1,667 | D | |
| Non-Qualified Stock Option (right to buy) | \$7.8 | 02/27/2018 | | A | | 38,333 | | (2) | 02/27/2028 | Common Stock | 38,333 | \$0.0 | 38,333 | D | |

Explanation of Responses:

- The restricted stock units vest in three annual installments. Vested shares will be delivered to the reporting person as follows: 40% on 02/27/2019, 40% on 02/27/2020 and 20% on 03/01/2021.
- When the ISO and NQ dated 02/27/2018 are combined, the total grant shall vest and become exercisable in equal monthly installments such that the option shall be 100% vested on 02/27/2022.

Ching Jaw 02/28/2018
 ** 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.