CYTOKINETICS INC Form SC 13G/A March 25, 2014

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

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No. 3)1

Cytokinetics, Incorporated (Name of Issuer)

Common Stock, \$0.001 par value (Title of Class of Securities)

23282W 10 0 (CUSIP Number)

March 18, 2014 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

¹ The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

CUSIP NO. 23282W 10 0

| 1 | NAME OF REPORTING PERSON | | | |
|----------------------------------|--|-------------|--|------------------|
| 2 | Biotechnology Value Fund, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY | | | |
| 4 | CITIZENSHIP | OR PLACE OF | ORGANIZATION | |
| NUMBER OF SHARES | Delaware | 5 | SOLE VOTING POWER | |
| BENEFICIALLY OWNED BY EACH | | 6 | 0 shares SHARED VOTING POWER | |
| REPORTING PERSON WITH | | 7 | 953,331 (1) SOLE DISPOSITIVE POWER | |
| | | 8 | 0 shares SHARED DISPOSITIVE POWE | R |
| 9 | AGGREGATE | AMOUNT BEN | 953,331 (1) EFICIALLY OWNED BY EACH | REPORTING PERSON |
| 10 | 953,331 (1) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES | | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) | | | |
| 12 | 2.6% TYPE OF REPORTING PERSON | | | |
| | PN | | | |

(1) Includes 480,078 shares of Common Stock currently issuable upon the exercise a certain warrant. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

CUSIP NO. 23282W 10 0

| 1 | NAME OF REPORTING PERSON | | | |
|------------------------------------|--|------------|--|------------------|
| 2 | Biotechnology Value Fund II, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o | | | |
| 3 | SEC USE ONL | LY | | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION | | | |
| NUMBER OF | Delaware | 5 | SOLE VOTING POWER | |
| SHARES BENEFICIALLY OWNED BY | | 6 | 0 shares SHARED VOTING POWER | |
| EACH REPORTING PERSON WITH | | 7 | 531,830 (1) SOLE DISPOSITIVE POWER | |
| | | 8 | 0 shares SHARED DISPOSITIVE POWE | R |
| 9 | AGGREGATE | AMOUNT BEN | 531,830 (1) EFICIALLY OWNED BY EACH | REPORTING PERSON |
| 10 | 531,830 (1) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES | | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) | | | |
| 12 | 1.5% TYPE OF REPORTING PERSON | | | |
| | PN | | | |

(1) Includes 264,041 shares of Common Stock currently issuable upon the exercise of a certain warrant. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

CUSIP NO. 23282W 10 0

| 1 | NAME OF REPORTING PERSON | | | |
|--|--|------------|--|------------------|
| 2 | Investment 10, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY (a) x (b) o | | | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION | | | |
| NUMBER OF | Illinois | 5 | SOLE VOTING POWER | |
| SHARES BENEFICIALLY OWNED BY EACH | | 6 | 0 shares SHARED VOTING POWER | |
| REPORTING PERSON WITH | | 7 | 311,396 (1) SOLE DISPOSITIVE POWER | |
| | | 8 | 0 shares SHARED DISPOSITIVE POWE | R |
| 9 | AGGREGATE | AMOUNT BEN | 311,396 (1) EFICIALLY OWNED BY EACH | REPORTING PERSON |
| 10 | 311,396 (1) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES | | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) | | | |
| 12 | Less than 1% TYPE OF REPORTING PERSON | | | |
| | OO | | | |

(1) Includes 176,933 shares of Common Stock currently issuable upon the exercise of a certain warrant. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

(a) x

CUSIP NO. 23282W 10 0

NAME OF REPORTING PERSON

CHECK THE APPROPRIATE BOX IF A MEMBER OF A

BVF Partners L.P.

1

| | GROUP | (b) o | |
|----------------------------------|--|---|--|
| 3 | SEC USE ONLY | | |
| 4 | CITIZENSHIP OR PLACE OF | ORGANIZATION | |
| | Delaware | | |
| NUMBER OF SHARES | 5 | SOLE VOTING POWER | |
| BENEFICIALLY OWNED BY | 6 | 0 shares SHARED VOTING POWER | |
| EACH REPORTING PERSON WITH | 7 | 1,796,557 (1) SOLE DISPOSITIVE POWER | |
| | | | |
| | 8 | 0 shares SHARED DISPOSITIVE POWER | |
| 9 | AGGREGATE AMOUNT BEN | 1,796,557 (1) NEFICIALLY OWNED BY EACH REPORTING PERSON | |
| 10 | 1,796,557 (1) CHECK BOX IF THE AGGRE EXCLUDES CERTAIN SHAR | GGATE AMOUNT IN ROW (9) "ES | |
| 11 | PERCENT OF CLASS REPRE | SENTED BY AMOUNT IN ROW (9) | |
| 12 | 4.9% (2) TYPE OF REPORTING PERSO | ON | |
| | PN, IA | | |
| | 052 shares of Common Stock cur on of the Reporting Person's ber | rrently issuable upon the exercise of certain warrants. See Item 4(a) neficial ownership. | |
| (2) See Item 4. | | | |

CUSIP NO. 23282W 10 0

NAME OF REPORTING PERSON

| 2 | BVF Inc. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP | | (a) x (b) o | | |
|--|--|---|------------------|--|--|
| 3 | SEC USE ONLY | SEC USE ONLY | | | |
| 4 | CITIZENSHIP OR PLACE OF | ORGANIZATION | | | |
| NUMBER OF SHARES | Delaware 5 | SOLE VOTING POWER | | | |
| BENEFICIALLY OWNED BY EACH | 6 | 0 shares SHARED VOTING POWER | | | |
| REPORTING PERSON WITH | 7 | 1,796,557 (1) SOLE DISPOSITIVE POWER | | | |
| | 8 | 0 shares SHARED DISPOSITIVE POWE | R | | |
| 9 | AGGREGATE AMOUNT BEN | 1,796,557 (1) IEFICIALLY OWNED BY EACH | REPORTING PERSON | | |
| 10 | 1,796,557 (1) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES | | | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) | | | | |
| 12 | 4.9% (2) TYPE OF REPORTING PERSON | | | | |
| | CO | | | | |
| (1) Includes 921,052 shares of Common Stock currently issuable upon the exercise of certain warrants. See Item 4(a) for a full description of the Reporting Person's beneficial ownership. | | | | | |
| (2) See Item 4. | | | | | |

CUSIP NO. 23282W 10 0

| 1 | NAME OF REPORTING PERSON | | | |
|---|---|------------|--|------------------|
| 2 3 | Mark N. Lampert CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY | | | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION | | | |
| NUMBER OF | United States | 5 | SOLE VOTING POWER | |
| SHARES BENEFICIALLY OWNED BY EACH | • | 6 | 0 shares SHARED VOTING POWER | |
| REPORTING PERSON WITH | | 7 | 1,796,557 (1) SOLE DISPOSITIVE POWER | |
| | | 8 | 0 shares SHARED DISPOSITIVE POWE | R |
| 9 | AGGREGATE | AMOUNT BEN | 1,796,557 (1) EFICIALLY OWNED BY EACH | REPORTING PERSON |
| 10 | 1,796,557 (1) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES | | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) | | | |
| 12 | 4.9% (2) TYPE OF REPORTING PERSON | | | |
| | IN | | | |
| (1) Includes 921,052 shares of Common Stock currently issuable upon the exercise of certain warrants. See Item for a full description of the Reporting Person's beneficial ownership. | | | | |

(2) See Item 4.

CUSIP NO. 23282W 100

Item 1(a). Name of Issuer:

Cytokinetics, Incorporated, a Delaware corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

280 East Grand Avenue

South San Francisco, California 94080

Item 2(a). Name of Person Filing

Item 2(b). Address of Principal Business Office or, if None, Residence

Item 2(c). Citizenship

Biotechnology Value Fund, L.P. ("BVF") 900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611

Citizenship: Delaware

Investment 10, L.L.C. ("ILL10") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611

Citizenship: Illinois

BVF Partners L.P. ("Partners") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611

Citizenship: Delaware

BVF Inc.

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert") 900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: United States

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d). Title of Class of Securities:

Common Stock, \$0.001 par value (the "Common Stock")

CUSIP NO. 23282W 10 0

| Item 2(e). | | CUSIP 1 | Number: | |
|--|---|--|--|--------|
| 23282W 10 0 | | | | |
| Item 3. If This State | ement is Filed Pursua | nt to Rule 13d-1(b), or 1 | 13d-2(b) or (c), Check Whether the Person Filing | g is a |
| | | /x/ | Not applicable. | |
| (a) | // H | Broker or dealer register | ed under Section 15 of the Exchange Act. | |
| (b) | // | Bank as defined i | in Section 3(a)(6) of the Exchange Act. | |
| (c) | // Insur | rance company as define | ed in Section 3(a)(19) of the Exchange Act. | |
| (d) / | / Investment | company registered und | er Section 8 of the Investment Company Act. | |
| (e) | // | An investment adviser ir | accordance with Rule 13d-1(b)(1)(ii)(E). | |
| (f) // | An employee bene | fit plan or endowment fu | and in accordance with Rule 13d-1(b)(1)(ii)(F). | |
| (g) // | A parent holding | company or control pers | on in accordance with Rule 13d-1(b)(1)(ii)(G). | |
| (h) // | A savings associ | iation as defined in Secti | ion 3(b) of the Federal Deposit Insurance Act. | |
| (i)//A church plar Investment Co | | n the definition of an in | vestment company under Section 3(c)(14) of the | e |
| (j) | // | Group, in ac | cordance with Rule 13d-1(b)(1)(ii)(J). | |
| _ | | 40.13d-1(b)(1)(ii)(K). If e specify the type of inst | filing as a non-U.S. institution in accordance w itution: | ith |
| Item 4. | | Owner | rship | |
| | (a) | An | nount beneficially owned: | |
| warrants are immed and expire on June beneficially own, as | liately exercisable fo 25, 2017. The warra s determined in accor- | r \$5.28 per share, subject nts may not be exercised | te of 921,052 shares of Common Stock. Such et to adjustment pursuant to the terms of the ward if, after such exercise, the Reporting Persons very of the Securities Exchange Act of 1934, more ad outstanding. | vould |
| 9 | | | | |

CUSIP NO. 23282W 100

As of the close of business on March 18, 2014, (i) BVF beneficially owned 953,331 shares of Common Stock, including 480,078 shares of Common Stock issuable upon the exercise of a certain warrant held by it, (ii) BVF2 beneficially owned 531,830 shares of Common Stock, including 264,041 shares of Common Stock issuable upon the exercise of a certain warrant held by it, and (iii) ILL10 beneficially owned 311,396 shares of Common Stock, including 176,933 shares of Common Stock issuable upon the exercise of a certain warrant held by it.

Partners, as the general partner of BVF and BVF2 and the investment adviser of ILL10, may be deemed to beneficially own 1,796,557 shares of Common Stock, including 921,052 shares of Common Stock currently issuable upon the exercise of certain warrants, beneficially owned in the aggregate by BVF, BVF2 and ILL10.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 1,796,557 shares of Common Stock, including 921,052 shares of Common Stock currently issuable upon the exercise of certain warrants, beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 1,796,557 shares of Common Stock, including 921,052 shares of Common Stock currently issuable upon the exercise of certain warrants, beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2 and ILL10 and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on 36,078,367 shares of Common Stock outstanding as of February 28, 2014, as disclosed in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission ("SEC") on March 7, 2014.

As of the close of business on March 18, 2014, (i) BVF beneficially owned approximately 2.6% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 1.5% of the outstanding shares of Common Stock, (iv) ILL10 beneficially owned less than 1% of the outstanding shares of Common Stock and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 4.9% of the outstanding shares of Common Stock.

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote

See Cover Pages Items 5-9.

| CUSIP NO. 23282W 10 0 | |
|--|--|
| (iii) | Sole power to dispose or to direct the disposition of |
| See Cover Pages Items 5-9 |). |
| (iv) | Shared power to dispose or to direct the disposition of |
| See Cover Pages Items 5-9 | ı. |
| Item 5. | Ownership of Five Percent or Less of a Class. |
| As of March 18, 2014, the | Reporting Persons ceased to be beneficial owners of more than 5% of the Common Stock. |
| Item 6. | Ownership of More than Five Percent on Behalf of Another Person. |
| Not Applicable. | |
| Item Identification and C 7. Holding Company of | lassification of the Subsidiary That Acquired the Security Being Reported on by the Parent or Control Person. |
| Not Applicable. | |
| Item 8. | Identification and Classification of Members of the Group. |
| See Exhibit 99.1 to the init | tial Schedule 13G filed with the SEC on July 3, 2012. |
| Item 9. | Notice of Dissolution of Group. |
| Not Applicable. | |
| Item 10. | Certifications. |
| to above were not acquired | the undersigned certifies that, to the best of its knowledge and belief, the securities referred and are not held for the purpose of or with the effect of changing or influencing the control es and were not acquired and are not held in connection with or as a participant in any pose or effect. |
| 11 | |

CUSIP NO. 23282W 100

SIGNATURE

By:

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: March 25, 2014

By:

BIOTECHNOLOGY VALUE FUND, L.P.

INVESTMENT 10, L.L.C.

By: BVF Partners L.P., its general

partner

By: BVF Inc., its general partner

manager

By: /s/ Mark N. Lampert

Mark N. Lampert

BVF Inc., its general partner

President

By: /s/ Mark N. Lampert

Mark N. Lampert

BVF Partners L.P., its investment

President

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF Partners L.P., its general

partner

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BVF INC.

By: /s/ Mark N. Lampert

Mark N. Lampert

President

/s/ Mark N. Lampert MARK N. LAMPERT