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

SCHEDULE 13D

(Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO § 240.13d-2(a)

(Amendment No. 1)¹

Repare Therapeutics Inc. (Name of Issuer)

<u>Common Shares, no par value</u> (Title of Class of Securities)

> 760273102 (CUSIP Number)

JAMES KRATKY BVF PARTNERS L.P. 44 Montgomery St., 40th Floor San Francisco, California 94104 <u>(415) 525-8890</u> (Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

<u>November 15, 2023</u> (Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(g), check the following box \boxtimes .

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. *See* § 240.13d-7 for other parties to whom copies are to be sent.

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 disclosures provided in a prior cover page.

The information required on 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 | NAME OF REPORT | TINC DEDSON | | | |
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| 1 | NAME OF REPORT | ING PERSON | | | |
| | Biotechnology | Value Fund, L.P. | | | |
| 2 | CHECK THE APPR | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □ | | | |
| 3 | SEC USE ONLY | EC USE ONLY | | | |
| 4 | SOURCE OF FUND | S | | | |
| 5 | WC CHECK BOX IF DI 2(e) | SCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR | | | |
| C | | | | | |
| 6 | Delaware | CITIZENSHIP OR PLACE OF ORGANIZATION | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | | |
| SHARES BENEFICIALLY | | 0 | | | |
| OWNED BY | 8 | SHARED VOTING POWER | | | |
| EACH REPORTING | | 5,309,432 | | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | | |
| | | 0 | | | |
| | 10 | SHARED DISPOSITIVE POWER | | | |
| | | 5,309,432 | | | |
| 11 | AGGREGATE AMO | DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | | |
| | 5 309 432 | | | | |
| 12 | | 5,309,432 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | | |
| | | | | | |
| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | | |
| | 12.6% | | | | |
| 14 | TYPE OF REPORTI | NG PERSON | | | |
| | PN | | | | |

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| 1 | NAME OF REPOR | TING PERSON | | | |
| | BVF I GP LL | C | | | |
| 2 | | | (a) | | |
| 2 | CHECK THE APP. | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \square (b) \square | | | |
| | | | (0) 🗆 | | |
| 3 | SEC USE ONLY | SEC USE ONLY | | | |
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| | | | | | |
| 4 | SOURCE OF FUN | DS | | | |
| | AF | | | | |
| 5 | | ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR | | | |
| 0 | 2(e) | | | | |
| | | | | | |
| | | | | | |
| 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | | |
| | Delaware | | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | | |
| SHARES | , | SOLE VOTING TOWER | | | |
| BENEFICIALLY | | 0 | | | |
| OWNED BY | 8 | SHARED VOTING POWER | | | |
| EACH | | | | | |
| REPORTING PERSON WITH | | 5,309,432 | | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | | |
| | | 0 | | | |
| | 10 | SHARED DISPOSITIVE POWER | | | |
| | | | | | |
| | | 5,309,432 | | | |
| 11 | AGGREGATE AM | OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | | |
| | 5,309,432 | | | | |
| 12 | | HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | | |
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| 13 | PERCENT OF CLA | ASS REPRESENTED BY AMOUNT IN ROW (11) | | | |
| | 12.6% | | | | |
| 14 | TYPE OF REPORT | TING PERSON | | | |
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| 1 | NAME OF REPORT | TING PERSON | | |
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| | | 7 Value Fund II, L.P. | | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes | | | |
| | | | (b) 🗆 | |
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| 3 | SEC USE ONLY | | | |
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| 4 | SOURCE OF FUNI | | | |
| 4 | SOURCE OF FUNL | 55 | | |
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| 5 | | SCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR | | |
| 5 | 2(e) | | | |
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| 6 | CITIZENSHIP OR I | PLACE OF ORGANIZATION | | |
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| | Delaware | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | |
| SHARES | | | | |
| BENEFICIALLY | | 0 | | |
| OWNED BY | 8 | SHARED VOTING POWER | | |
| EACH | | | | |
| REPORTING | | 4,308,573 | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | |
| | | 0 | | |
| | 10 | 0 SHARED DISPOSITIVE POWER | | |
| | 10 | JUAVED DISLOSITIVE KOMEK | | |
| | | 4,308,573 | | |
| 11 | AGGREGATE AM | JUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | |
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| | 4,308,573 | | | |
| 12 | | HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | |
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| 13 | PERCENT OF CLA | SS REPRESENTED BY AMOUNT IN ROW (11) | | |
| | | | | |
| | 10.2% | | | |
| 14 | TYPE OF REPORT | ING PERSON | | |
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| 1 | NAME OF REPOF | ATING PERSON | | | |
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| | BVF II GP L | | | | |
| 2 | CHECK THE APP | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) | | | |
| | | | (b) 🗆 | | |
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| 3 | SEC USE ONLY | | | | |
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| 4 | SOUDCE OF FUN | SOURCE OF FUNDS | | | |
| 4 | SOURCE OF FUN | DS | | | |
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| 5 | | VISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OF | | | |
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| 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | | |
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| | Delaware | | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | | |
| SHARES | | | | | |
| BENEFICIALLY | | 0 | | | |
| OWNED BY | 8 | SHARED VOTING POWER | | | |
| EACH | | | | | |
| REPORTING | | 4,308,573 | | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | | |
| | | | | | |
| | | 0 | | | |
| | 10 | SHARED DISPOSITIVE POWER | | | |
| | | 4 200 572 | | | |
| 11 | | 4,308,573 | | | |
| 11 | AGGREGATE AM | OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | | |
| | 1 200 572 | | | | |
| 12 | 4,308,573 | HE ACCDECATE AMOUNT IN DOW (11) EVCLUDES CEDTAIN SUADES | | | |
| 12 | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | | | |
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| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | | |
| 15 | | | | | |
| | 10.2% | | | | |
| 14 | TYPE OF REPORT | TING PERSON | | | |
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| 1 | NAME OF REPOR | TING PERSON | | | |
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| | Biotechnolog | y Value Trading Fund OS LP | | | |
| 2 | CHECK THE APPI | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes | | | |
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| 3 | SEC USE ONLY | | | | |
| J | SEC USE UNLI | | | | |
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| 4 | SOURCE OF FUN | DS | | | |
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| 5 | | ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR | | | |
| | 2(e) | | | | |
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| C | CITIZENCIUD OD | PLACE OF ORGANIZATION | | | |
| 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | | |
| | Cayman Islan | ds | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | | |
| SHARES | , | | | | |
| BENEFICIALLY | | 0 | | | |
| OWNED BY | 8 | SHARED VOTING POWER | | | |
| EACH | | | | | |
| REPORTING | | 548,938 | | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | | |
| | | 0 | | | |
| | 10 | SHARED DISPOSITIVE POWER | | | |
| | 10 | JIARED DISI USITIVE FOWER | | | |
| | | 548,938 | | | |
| 11 | AGGREGATE AM | OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | | |
| | | | | | |
| | 548,938 | | | | |
| 12 | CHECK BOX IF T | HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | | |
| | | | | | |
| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | | |
| 13 | PERCENT OF CLF | ASS KEPKESENTED BY AMOUNT IN KOW (11) | | | |
| | 1.3% | | | | |
| 14 | TYPE OF REPORT | ING PERSON | | | |
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| 1 NAME OF REPORTING PERSON BVF Parmers OS Ltd. (a) (b) (b) (b) (b) (c) 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (c) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | | | | | | |
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| 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b) (b) (c) 3 SEC USE ONLY (b) (c) (c) 4 SOURCE OF FUNDS (c) 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR (c) (c) 6 CITIZENSHIP OR PLACE OF ORGANIZATION (c) 6 CITIZENSHIP OR PLACE OF ORGANIZATION (c) 7 SOLE VOTING POWER (c) 8 SHARES (c) 9 SOLE DISPOSITIVE POWER (c) 10 SHARED DISPOSITIVE POWER (c) 10 SHARED DISPOSITIVE POWER (c) 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON (c) 548,938 (c) (c) (c) 11 AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (c) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (c) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) (c) | 1 | NAME OF REPOR | TING PERSON | | | |
| 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b) (b) (c) 3 SEC USE ONLY (b) (c) (c) 4 SOURCE OF FUNDS (c) 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR (c) (c) 6 CITIZENSHIP OR PLACE OF ORGANIZATION (c) 6 CITIZENSHIP OR PLACE OF ORGANIZATION (c) 7 SOLE VOTING POWER (c) 8 SHARES (c) 9 SOLE DISPOSITIVE POWER (c) 10 SHARED DISPOSITIVE POWER (c) 10 SHARED DISPOSITIVE POWER (c) 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON (c) 548,938 (c) (c) (c) 11 AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (c) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (c) 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) (c) | | | | | | |
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| 3 SEC USE ONLY 4 SOURCE OF FUNDS AF AF 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR □ 6 CITIZENSHIP OR PLACE OF ORGANIZATION □ 6 CITIZENSHIP OR PLACE OF ORGANIZATION □ 7 SOLE VOTING POWER □ 8 SHARES □ 9 SOLE VOTING POWER □ 4 548,938 □ 10 SHARED DISPOSITIVE POWER □ 0 10 SHARED DISPOSITIVE POWER 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON □ 11 AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES □ 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES □ 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.3% | 2 | CHECK THE APP | | | | |
| 4 SOURCE OF FUNDS AF | | | | (b) ∐ | | |
| 4 SOURCE OF FUNDS AF | | | | | | |
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| AF 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) 6 CITIZENSHIP OR PLACE OF ORGANIZATION 6 CAryman Islands NUMBER OF SHARES 7 SOLE VOTING POWER BENEFICIALLY 0 OWNED BY EACH 548,938 PERSON WITH 9 9 SOLE DISPOSITIVE POWER 0 0 10 SHARED DISPOSITIVE POWER 548,938 | | | | | | |
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| 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) 6 CITIZENSHIP OR PLACE OF ORGANIZATION 6 CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands Cayman Islands NUMBER OF SHARES 7 SOLE VOTING POWER BENEFICIALLY 0 0 OWNED BY 8 SHARED VOTING POWER EACH 548,938 0 PERSON WITH 9 SOLE DISPOSITIVE POWER 0 0 10 10 SHARED DISPOSITIVE POWER 548,938 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 548,938 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.3% | 4 | SOURCE OF FUN | DS | | | |
| 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) 6 CITIZENSHIP OR PLACE OF ORGANIZATION 6 CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands Cayman Islands NUMBER OF SHARES 7 SOLE VOTING POWER BENEFICIALLY 0 0 OWNED BY 8 SHARED VOTING POWER EACH 548,938 0 PERSON WITH 9 SOLE DISPOSITIVE POWER 0 0 10 10 SHARED DISPOSITIVE POWER 548,938 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 548,938 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.3% | | ΔE | | | | |
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| NUMBER OF SHARES BENEFICIALLY 7 SOLE VOTING POWER OWNED BY EACH REPORTING 8 SHARED VOTING POWER 6 548,938 PERSON WITH 9 SOLE DISPOSITIVE POWER 0 0 10 SHARED DISPOSITIVE POWER 548,938 | 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | | |
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| 10 SHARED DISPOSITIVE POWER 548,938 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 548,938 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.3% | | | | | | |
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| 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES □ 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) □ 1.3% □ | 11 | AGGREGALE AM | OUNT DENEFICIALLY OWNED DY EACH KEPOKTING PEKSON | | | |
| 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES □ 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) □ 1.3% □ | | 5/18 938 | | | | |
| 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.3% | 12 | | HE ACCRECATE AMOUNT IN ROW (11) EYELUDES CEPTAIN SHAPES | | | |
| 1.3% | 12 | CHECK DUA IF I | IL AGOREGATE ANOOTAT IN KOW (11) EAGEODES GERTAIN SHARES | | | |
| 1.3% | | | | | | |
| 1.3% | 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | | |
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| 14 TYPE OF REPORTING PERSON | | 1.3% | | | | |
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| 1 | NAME OF REPOF | RTING PERSON | | | |
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| | BVF GP Hol | | | | |
| 2 | CHECK THE APP | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) | | | |
| | | | (b) 🗆 | | |
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| 3 | SEC USE ONLY | | | | |
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| | | SOURCE OF FUNDS | | | |
| 4 | SOURCE OF FUN | DS | | | |
| | AF | | | | |
| 5 | | DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OF | 2 | | |
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| | 2(0) | | | | |
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| 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | | |
| 0 | | | | | |
| | Delaware | | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | | |
| SHARES | | | | | |
| BENEFICIALLY | | 0 | | | |
| OWNED BY | 8 | SHARED VOTING POWER | | | |
| EACH | | | | | |
| REPORTING | | 9,618,005 | | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | | |
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| | | 0 | | | |
| | 10 | SHARED DISPOSITIVE POWER | | | |
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| 11 | ACCDECATE AM | 9,618,005 IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | | |
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| | 9,618,005 | | | | |
| 12 | | HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | | |
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| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | | |
| 10 | | | | | |
| | 22.8% | | | | |
| 14 | TYPE OF REPORT | TING PERSON | | | |
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| 1 | NAME OF REPOR | TING PERSON | | |
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| | BVF Partners | | | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes | | | |
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| 3 | SEC USE ONLY | | | |
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| | Delaware | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | |
| SHARES BENEFICIALLY | | 0 | | |
| OWNED BY | 8 | SHARED VOTING POWER | | |
| EACH | 0 | SHARED VOTING POWER | | |
| REPORTING | | 10,333,600 | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | |
| | U U | | | |
| | | 0 | | |
| | 10 | SHARED DISPOSITIVE POWER | | |
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| | | 10,333,600 | | |
| 11 | AGGREGATE AM | OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | |
| | 40.000.000 | | | |
| 10 | 10,333,600 | | | |
| 12 | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | | |
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| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | |
| 15 | I ENCENT OF CLE | | | |
| | 24.5% | | | |
| 14 | TYPE OF REPORT | ING PERSON | _ | |
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| 1 | NAME OF REPOF | ATING PERSON | | |
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| | BVF Inc. | | | |
| 2 | CHECK THE APP | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes | | |
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| 5 | | VISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OF | <u> </u> | |
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| 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | |
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| | Delaware | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | |
| SHARES | | | | |
| BENEFICIALLY | | 0 | | |
| OWNED BY | 8 | SHARED VOTING POWER | | |
| EACH | | | | |
| REPORTING | | 10,333,600 | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | |
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| | 10 | SHARED DISPOSITIVE POWER | | |
| | | 10,000,000 | | |
| 11 | ACCDECATE AM | 10,333,600 OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | |
| 11 | AGGREGALE AM | IUUINI DEINEFICIALLI UWINED DI EACH KEPUKIIING PEKSUN | | |
| | 10,333,600 | | | |
| 12 | | HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | |
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| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | |
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| 14 | TYPE OF REPORT | TING PERSON | | |
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| 1 | NAME OF REPOR | TING PERSON | | |
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| | Mark N. Lam | | | |
| 2 | CHECK THE APP | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes | | |
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| 3 | SEC USE ONLY | | | |
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| 5 | | ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OF | | |
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| 6 | CITIZENSHIP OR | PLACE OF ORGANIZATION | | |
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| | United States | | | |
| NUMBER OF | 7 | SOLE VOTING POWER | | |
| SHARES | | | | |
| BENEFICIALLY | | 0 | _ | |
| OWNED BY | 8 | SHARED VOTING POWER | | |
| EACH | | | | |
| REPORTING | | 10,333,600 | | |
| PERSON WITH | 9 | SOLE DISPOSITIVE POWER | | |
| | | 0 | | |
| | 10 | SHARED DISPOSITIVE POWER | | |
| | 10 | SHARED DISFOSITIVE FOWER | | |
| | | 10,333,600 | | |
| 11 | AGGREGATE AM | OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | | |
| | | | | |
| | 10,333,600 | | | |
| 12 | | HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES | | |
| | | | | |
| | | | | |
| 13 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) | | | |
| | | | | |
| | 24.5% | | | |
| 14 | TYPE OF REPORT | 'ING PERSON | | |
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The following constitutes Amendment No. 1 to the Schedule 13D filed by the undersigned ("Amendment No. 1"). This Amendment No. 1 amends the Schedule 13D as specifically set forth herein.

Item 3. Source and Amount of Funds or Other Consideration.

Item 3 is hereby amended and restated to read as follows:

The securities of the Issuer purchased by each of BVF, BVF2 and Trading Fund OS, and held in the Partners Managed Account, were purchased with working capital (which may, at any given time, include margin loans made by brokerage firms in the ordinary course of business).

The aggregate purchase price of the 5,309,432 Shares owned directly by BVF is approximately \$81,209,952, including brokerage commissions. The aggregate purchase price of the 4,308,573 Shares owned directly by BVF2 is approximately \$61,550,932, including brokerage commissions. The aggregate purchase price of the 548,938 Shares owned directly by Trading Fund OS is approximately \$8,052,392, including brokerage commissions. The aggregate purchase price of the 166,657 Shares held in the Partners Managed Account is approximately \$2,489,249, including brokerage commissions.

Item 5. <u>Interest in Securities of the Issuer</u>.

Items 5(a)-(c) are hereby amended and restated to read as follows:

(a) The aggregate percentage of Shares reported owned by each person named herein is based on 42,129,651 Shares outstanding as of November 3, 2023 as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 9, 2023.

As of the close of business on the date hereof, (i) BVF beneficially owned 5,309,432 Shares, representing percentage ownership of approximately 12.6% of the Shares outstanding, (ii) BVF2 beneficially owned 4,308,573 Shares, representing percentage ownership of approximately 10.2% of the Shares outstanding, and (iii) Trading Fund OS beneficially owned 548,938 Shares, representing percentage ownership of approximately 1.3% of the Shares outstanding.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 5,309,432 Shares beneficially owned by BVF, representing percentage ownership of approximately 12.6% of the Shares outstanding.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 4,308,573 Shares beneficially owned by BVF2, representing percentage ownership of approximately 10.2% of the Shares outstanding.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 548,938 Shares beneficially owned by Trading Fund OS, representing percentage ownership of approximately 1.3% of the Shares outstanding.

BVF GPH, as the sole member of each of BVF GP and BVF2 GP, may be deemed to beneficially own the 9,618,005 Shares beneficially owned in the aggregate by BVF and BVF2, representing percentage ownership of approximately 22.8% of the Shares outstanding.

Partners, as the investment manager of BVF, BVF2 and Trading Fund OS and the Partners Managed Account, and the sole member of Partners OS, may be deemed to beneficially own the 10,333,600 Shares beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS and held in the Partners Managed Account, including 166,657 Shares held in the Partners Managed Account, representing percentage ownership of approximately 24.5% of the Shares outstanding (less than 1% of the Shares outstanding are held in the Partners Managed Account).

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 10,333,600 Shares beneficially owned by Partners, representing percentage ownership of approximately 24.5% of the Shares outstanding.

Mr. Lampert, as the sole director and officer of BVF Inc., may be deemed to beneficially own the 10,333,600 Shares beneficially owned by BVF Inc., representing percentage ownership of approximately 24.5% of the Shares outstanding.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any Shares owned by another Reporting Person. BVF GP disclaims beneficial ownership of the Shares beneficially owned by BVF. BVF2 GP disclaims beneficial ownership of the Shares beneficially owned by BVF2. Partners OS disclaims beneficial ownership of the Shares beneficially owned by Trading Fund OS. BVF GPH disclaims beneficial ownership of the Shares beneficially owned by BVF2. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the Shares beneficially owned by BVF, BVF2 and Trading Fund OS and held in the Partners Managed Account.

(b) Each of BVF, BVF2 and Trading Fund OS shares with Partners voting and dispositive power over the Shares each such entity beneficially owns. BVF shares with BVF GP voting and dispositive power over the Shares beneficially owned by BVF2. Each of BVF GP and BVF2 GP shares with BVF GPH voting and dispositive power over the Shares beneficially owned by BVF2. Each of BVF GP and BVF2 GP shares with BVF GPH voting and dispositive power over the Shares beneficially owned by BVF2. Each of BVF GP and BVF2 GP shares with BVF GPH voting and dispositive power over the Shares beneficially owns. Trading Fund OS shares with Partners OS voting and dispositive power over the Shares beneficially owned by Trading Fund OS. Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the 10,166,943 Shares they may be deemed to beneficially own with BVF, BVF GP, BVF2, BVF2 GP, Trading Fund OS, Partners OS and BVF GPH. Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares held in the Partners Managed Account.

(c) <u>Schedule A</u> annexed hereto lists all transactions in securities of the Issuer by the Reporting Persons since the initial filing of the Schedule 13D.

SIGNATURES

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

Dated: November 17, 2023

BIOTECHNOLOGY VALUE FUND, L.P.

- By: BVF I GP LLC, its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer

BVF I GP LLC

By: /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer

BIOTECHNOLOGY VALUE FUND II, L.P.

- By: BVF II GP LLC, its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer

BVF II GP LLC

By: /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer

BVF PARTNERS OS LTD.

- By: BVF Partners L.P., its sole member
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

BIOTECHNOLOGY VALUE TRADING FUND OS LP

- By: BVF Partners L.P., its investment manager
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert
- Mark N. Lampert President

BVF GP HOLDINGS LLC

By: /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer

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

SCHEDULE A

Transactions in the Securities of the Issuer Since the Initial Filing of the Schedule 13D

| <u>Class of</u> <u>Security</u> | Securities Purchased | <u>Price (\$)</u> | Date of Purchase |
|------------------------------------|---------------------------|---|---------------------|
| | BIOTECHNOLOGY | <u> VALUE FUND, L.P.</u> | |
| Common Shares | 493,337 | 4.9999 | 11/15/2023 |
| Common Shares | 153,693 | 5.3837 | 11/16/2023 |
| | BIOTECHNOLOGY | VALUE FUND II, L.P. | |
| Common Shares | 390,507 | 4.9999 | 11/15/2023 |
| Common Shares | 125,909 | 5.3837 | 11/16/2023 |
| | BIOTECHNOLOGY VALU | JE TRADING FUND OS LP | |
| Common Shares | 47,712 | 4.9999 | 11/15/2023 |
| Common Shares | 16,143 | 5.3837 | 11/16/2023 |
| | | | |
| | | <u>INERS L.P.</u> <u>rs Managed Account)</u> | |
| | | <u></u> | |
| Common Shares | 3,444 | 4.9999 | 11/15/2023 |
| Common Shares | 4,255 | 5.3837 | 11/16/2023 |