
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

Mural Oncology plc

(Name of Issuer)

Common Stock, \$0.01 par value per share

(Title of Class of Securities)

G63365103

(CUSIP Number)

08/09/2024

(Date of Event Which Requires Filing of this Statement)

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

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

SCHEDULE 13G

CUSIP No. G63365103

Names of Reporting Persons

1 ACORN BIOVENTURES, L.P.

Check the appropriate box if a member of a Group (see instructions)

2 (a)
 (b)

3 Sec Use Only

Citizenship or Place of Organization

4 DELAWARE

Number of 5 Sole Voting Power
Shares

Beneficially Owned by Each Reporting Person With: 0.00
Shared Voting Power
6
356,379.00
Sole Dispositive Power
7
0.00
Shared Dispositive Power
8
356,379.00

Aggregate Amount Beneficially Owned by Each Reporting Person

356,379.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

Percent of class represented by amount in row (9)

2.1 %

Type of Reporting Person (See Instructions)

PN

SCHEDULE 13G

CUSIP No. G63365103

Names of Reporting Persons

ACORN BIOVENTURES 2, L.P.

Check the appropriate box if a member of a Group (see instructions)

(a)

(b)

Sec Use Only

Citizenship or Place of Organization

DELAWARE

Sole Voting Power

5

492,143.00

Shared Voting Power

6

0.00

Sole Dispositive Power

7

492,143.00

Shared Dispositive Power

8

0.00

Aggregate Amount Beneficially Owned by Each Reporting Person

492,143.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

Percent of class represented by amount in row (9)

2.9 %
Type of Reporting Person (See Instructions)

12

PN

SCHEDULE 13G

CUSIP No. G63365103

Names of Reporting Persons

1

ACORN CAPITAL ADVISORS GP, LLC

Check the appropriate box if a member of a Group (see instructions)

2

(a)

(b)

3

Sec Use Only

Citizenship or Place of Organization

4

DELAWARE

Sole Voting Power

5

0.00

Number of
Shares

Shared Voting Power

6

Beneficially
Owned by
Each

356,379.00

Sole Dispositive Power

7

Reporting
Person

0.00

With:

Shared Dispositive

8

Power

356,379.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9

356,379.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

Percent of class represented by amount in row (9)

11

2.1 %

Type of Reporting Person (See Instructions)

12

OO

SCHEDULE 13G

CUSIP No. G63365103

Names of Reporting Persons

1

ACORN CAPITAL ADVISORS GP 2, LLC

2

Check the appropriate box if a member of a Group (see instructions)

(a)

(b)

3 Sec Use Only
Citizenship or Place of Organization

4 DELAWARE

Sole Voting Power

5 0.00

Number of Shares Beneficially Owned by Each Reporting Person With:

6 Shared Voting Power

492,143.00

Sole Dispositive Power

7 0.00

Shared Dispositive

8 Power

492,143.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9 492,143.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

Percent of class represented by amount in row (9)

11 2.9 %

Type of Reporting Person (See Instructions)

12 OO

SCHEDULE 13G

CUSIP No. G63365103

Names of Reporting Persons

1 Anders Hove

Check the appropriate box if a member of a Group (see instructions)

2 (a)

(b)

3 Sec Use Only
Citizenship or Place of Organization

4 UNITED STATES

Number of Shares Beneficially Owned by Each Reporting Person With:

5 Sole Voting Power

0.00

Shared Voting Power

6 848,522.00

Sole Dispositive Power

7 0.00

8 Shared Dispositive Power

848,522.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9

848,522.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

Percent of class represented by amount in row (9)

11

5.0 %

Type of Reporting Person (See Instructions)

12

IN

SCHEDULE 13G

Item 1.

Name of issuer:

(a)

Mural Oncology plc

Address of issuer's principal executive offices:

(b)

10 EARLSFORT TERRACE, DUBLIN 2, IRELAND, D02 T380.

Item 2.

Name of person filing:

(a)

This statement is filed by: (i) Acorn Bioventures, L.P. ("Acorn"); (ii) Acorn Capital Advisors GP, LLC ("Acorn GP"), which is the sole general partner of Acorn; (iii) Acorn Bioventures 2, L.P. ("Acorn 2"); (iv) Acorn Capital Advisors GP 2, LLC ("Acorn GP 2"), which is the sole general partner of Acorn 2; and (v) Anders Hove ("Hove or "Manager"). The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." The filing of this statement should not be construed as an admission that any of the foregoing persons or any Reporting Person is, for the purposes of Section 13 of the Act, the beneficial owner of the shares of Common Stock reported herein.

Address or principal business office or, if none, residence:

(b)

The address of the principal business office of each of the Reporting Persons is 420 Lexington Avenue, Suite 2626, New York, New York 10170

Citizenship:

(c)

Acorn is a Delaware limited partnership. Acorn GP is a Delaware limited liability company. Acorn 2 is a Delaware limited partnership. Acorn GP 2 is a Delaware limited liability company. Each of Hove and Manke are citizens of the United States of America

Title of class of securities:

(d)

Common Stock, \$0.01 par value per share

CUSIP No.:

(e)

G63365103

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a)

Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b)

Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c)

Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d)

Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e)

An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);

(f)

An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);

(g)

A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);

(h)

A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

(i)

A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);

(j)

A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in

accordance with § 240.13d-1(b)(1)(ii)(J),
please specify the type of institution:

- (k) Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

Amount beneficially owned:

- (a) The percentages set forth herein are calculated based upon 16,923,878 Common Stock, nominal value \$0.01 per share, outstanding May 1, 2024 as reported in the Issuer's Quarterly Report on Form 10-Q for the quarterly period as of March 31, 2024 filed with the Securities and Exchange Commission on May 14, 2024. 848,522

Percent of class:

- (b) 5.01 %

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

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

0

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

Acorn GP is the general partner of Acorn and may be deemed to beneficially own the shares of Common Stock beneficially owned by Acorn. Acorn GP 2 is the general partner of Acorn 2 and may be deemed to beneficially own the shares of Common Stock beneficially owned by Acorn 2.

(iii) Sole power to dispose or to direct the disposition of:

0

(iv) Shared power to dispose or to direct the disposition of:

The Manager, in his capacity as manager of each of Acorn GP and Acorn GP 2, may be deemed to beneficially own the shares beneficially owned by each of Acorn and Acorn 2.

Item 5. Ownership of 5 Percent or Less of a Class.

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

ACORN BIOVENTURES, L.P.

Signature: Anders Hove

Name/Title: Manager

Date: 08/13/2024

ACORN BIOVENTURES 2, L.P.

Signature: Anders Hove

Name/Title: Manager

Date: 08/13/2024

ACORN CAPITAL ADVISORS GP, LLC

Signature: Anders Hove

Name/Title: Manager

Date: 08/13/2024

ACORN CAPITAL ADVISORS GP 2, LLC

Signature: Anders Hove

Name/Title: Manager

Date: 08/13/2024

Anders Hove

Signature: Anders Hove

Name/Title: Manager

Date: 08/13/2024