
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 7)*

SPYRE THERAPEUTICS, INC.

(Name of Issuer)

Common Stock, \$0.0001 par value

(Title of Class of Securities)

(CUSIP Number)

Ms. Erin O'Connor
Fairmount Funds Management LLC, 200 Barr Harbor Drive, Suite 400
West Conshohocken, PA, 19428
(267) 262-5300

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

06/23/2026

(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(f) or 240.13d-1(g), check the following box.

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).

SCHEDULE 13D

CUSIP No.

- | | |
|---|---|
| 1 | Name of reporting person |
| | Fairmount Funds Management LLC |
| 2 | Check the appropriate box if a member of a Group (See Instructions) |

(a)

(b)

3 SEC use only
Source of funds (See Instructions)

4 AF
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

8,835,440.00

Owned by

Sole Dispositive Power

Each

9

0.00

Reporting

Person

With:

Shared Dispositive Power

10

8,835,440.00

Aggregate amount beneficially owned by each reporting person

11 8,835,440.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12
Percent of class represented by amount in Row (11)

13 9.15 %

Type of Reporting Person (See Instructions)

14 IA

Comment for Type of Reporting Person: The securities represent 8,835,440 shares of common stock, \$0.0001 par value per share (the "Common Stock") issuable upon conversion of 220,886 shares of Series A Preferred Stock, par value \$0.0001 per share (the "Series A Preferred Stock"), held directly by Fairmount Healthcare Fund II L.P. ("Fund II"). The securities exclude shares of Common Stock issuable upon conversion of shares of Series A Preferred Stock held directly by Fund II in excess of the beneficial ownership limitation of 9.99%. Row 13 is based on 96,572,019 shares of Common Stock outstanding as of June 23, 2026, consisting of (i) 86,841,253 shares of Common Stock outstanding as of April 28, 2026, as reported in the Company's Form 10-Q filed on May 5, 2026, (ii) 666,680 shares of Common Stock issued upon the June 23, 2026 conversion by Fund II of 16,667 shares of the Series B Preferred Stock, par value \$0.0001 per share (the "Series B Preferred Stock") (iii) 228,646 shares underlying options that are currently exercisable or will be exercisable within 60 days of the date of this filing by the Reporting Persons and (iv) 8,835,440 shares of Common Stock underlying the 220,886 shares of Series A Preferred Stock owned by Fund II, applying the beneficial ownership limitation.

SCHEDULE 13D

CUSIP No.

Name of reporting person

1 Fairmount Healthcare Fund II L.P.

Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 AF
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE

7 Sole Voting Power

Number of Shares Beneficially Owned by Each Reporting Person With: 8 0.00
Shared Voting Power 8,835,440.00

9 Sole Dispositive Power 0.00

10 Shared Dispositive Power 8,835,440.00

11 Aggregate amount beneficially owned by each reporting person 8,835,440.00

12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

13
Percent of class represented by amount in Row (11) 9.15 %

14 Type of Reporting Person (See Instructions) PN

Comment of Reporting Person: The securities represent 8,835,440 shares of Common Stock issuable upon conversion of 220,886 shares of Series A Preferred Stock held directly by Fund II. The securities exclude shares of Common Stock issuable upon conversion of shares of Series A Preferred Stock held directly by Fund II in excess of the beneficial ownership limitation of 9.99%. Row 13 is based on 96,572,019 shares of Common Stock outstanding as of June 23, 2026, consisting of (i) 86,841,253 shares of Common Stock outstanding as of April 28, 2026, as reported in the Company's Form 10-Q filed on May 5, 2026, (ii) 666,680 shares of Common Stock issued upon the June 23, 2026 conversion by Fund II of 16,667 shares of the Series B Preferred Stock (iii) 228,646 shares underlying options that are currently exercisable or will be exercisable within 60 days of the date of this filing by the Reporting Persons and (iv) 8,835,440 shares of Common Stock underlying the 220,886 shares of Series A Preferred Stock owned by Fund II, applying the beneficial ownership limitation.

SCHEDULE 13D

CUSIP No.

1 Name of reporting person
Peter Evan Harwin
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only

4 Source of funds (See Instructions)

AF

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

Citizenship or place of organization

6

UNITED STATES

Sole Voting Power

7

520,361.00

Number of Shares

Shared Voting Power

Beneficially Owned by

8

9,146,840.00

Each

Sole Dispositive Power

Reporting Person

9

520,361.00

With:

Shared Dispositive Power

10

9,146,840.00

Aggregate amount beneficially owned by each reporting person

11

9,667,201.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13

9.99 %

Type of Reporting Person (See Instructions)

14

IN

Comment for Type of Reporting Person: The securities include (a) 406,038 shares of Common Stock held directly by Mr. Harwin, (b) 114,323 shares of Common Stock issuable upon the exercise of options that are currently exercisable or will be exercisable within 60 days of the date of this filing held directly by Mr. Harwin*, and (c) Fund II's direct holdings of 9,146,840 shares of Common Stock issuable upon conversion of 228,671 shares of Series A Preferred Stock held directly by Fund II. The securities exclude shares of Common Stock issuable upon conversion of shares of Series A Preferred Stock held directly by Fund II in excess of the beneficial ownership limitation of 9.99%. Row 13 is based on 96,769,096 shares of Common Stock outstanding as of June 23, 2026, consisting of (i) 86,841,253 shares of Common Stock outstanding as of April 28, 2026, as reported in the Company's Form 10-Q filed on May 5, 2026, (ii) 666,680 shares of Common Stock issued upon the June 23, 2026 conversion by Fund II of 16,667 shares of the Series B Preferred Stock, (iii) 114,323 shares of Common Stock underlying options that are currently exercisable or will be exercisable within 60 days of the date of this filing by Mr. Harwin and (iii) 9,146,840 shares of Common Stock underlying the 228,671 shares of Series A Preferred Stock owned by Fund II, applying the beneficial ownership limitation. * Under Mr. Harwin's arrangement with Fairmount, Mr. Harwin holds the options for one or more investment vehicles managed by Fairmount (each, a "Fairmount Fund"). Mr. Harwin is obligated to turn over to Fairmount any net cash or stock received from the option for the benefit of such Fairmount Fund. Mr. Harwin therefore disclaims beneficial ownership of the option and underlying common stock.

SCHEDULE 13D

CUSIP No.

Name of reporting person

1

Tomas Kiselak

Check the appropriate box if a member of a Group (See Instructions)

2

(a)

(b)

3

SEC use only

4

Source of funds (See Instructions)

AF

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5



Citizenship or place of organization

6

SLOVAKIA

Sole Voting Power

7

Number of Shares

520,361.00

Shared Voting Power

Beneficially Owned by

8

9,146,840.00

Each

Sole Dispositive Power

Reporting Person

9

520,361.00

With:

Shared Dispositive Power

10

9,146,840.00

Aggregate amount beneficially owned by each reporting person

11

9,667,201.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12



Percent of class represented by amount in Row (11)

13

9.99 %

Type of Reporting Person (See Instructions)

14

IN

Comment for Type of Reporting Person: The securities include (a) 406,038 shares of Common Stock held directly by Mr. Kiselak, (b) 114,323 shares of Common Stock issuable upon the exercise of options that are currently exercisable or will be exercisable within 60 days of the date of this filing held directly by Mr. Kiselak*, and (c) Fund II's direct holdings of 9,146,840 shares of Common Stock issuable upon conversion of 228,671 shares of Series A Preferred Stock held directly by Fund II. The securities exclude shares of Common Stock issuable upon conversion of shares of Series A Preferred Stock held directly by Fund II in excess of the beneficial ownership limitation of 9.99%. Row 13 is based on 96,769,096 shares of Common Stock outstanding as of June 23, 2026, consisting of (i) 86,841,253 shares of Common Stock outstanding as of April 28, 2026, as reported in the Company's Form 10-Q filed on May 5, 2026, (ii) 666,680 shares of Common Stock issued upon the June 23, 2026 conversion by Fund II of 16,667 shares of the Series B Preferred Stock, (iii) 114,323 shares of Common Stock underlying options that are currently exercisable or will be exercisable within 60 days of the date of this filing by Mr. Harwin and (iii) 9,146,840 shares of Common Stock underlying the 228,671 shares of Series A Preferred Stock owned by Fund II, applying the beneficial ownership limitation. * Under Mr. Kiselak's arrangement with Fairmount, Mr. Kiselak holds the options for one or more investment vehicles managed by Fairmount (each, a "Fairmount Fund"). Mr. Kiselak is obligated to turn over to Fairmount any net cash or stock received from the option for the benefit of such Fairmount Fund. Mr. Kiselak therefore disclaims beneficial ownership of the option and underlying common stock.

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a)

Common Stock, \$0.0001 par value

Name of Issuer:

(b)

SPYRE THERAPEUTICS, INC.

Address of Issuer's Principal Executive Offices:

(c)

221 Crescent Street, Building 23, Suite 105, Waltham, MASSACHUSETTS , 02453.

Item 1 This Amendment No. 7 amends and supplements the statement on Schedule 13D originally filed with the Securities and Exchange Commission (the "SEC") on June 30, 2023, Amendment No. 1 filed on November 29, 2023, Amendment No. 2 filed on December 11, 2023, Amendment No. 3 filed on December 29, 2023, Amendment No. 4 filed on April 25, 2024, Amendment No. 5 filed on October 17, 2025, and Amendment No. 6 filed on April 20, 2026 (as amended, the "Statement" or the "Schedule 13D") by the Reporting Persons with respect to the Common Stock of the Company. Unless otherwise defined herein, capitalized terms used in this Amendment No. 7 shall have the meanings ascribed to them in the Statement. Unless amended or supplemented below, the information in the Statement remains unchanged.

Item 3. Source and Amount of Funds or Other Consideration

Item 3 of the Schedule 13D is hereby amended and supplemented as follows: On June 23, 2026, Fund II delivered to the Company a notice of conversion pursuant to Section 6.2 of the Certificate of Designation of Preferences, Rights and Limitations of Series B Non-Voting Convertible Preferred Stock (the "Certificate of Designation") to convert 16,667 shares of Series B Preferred Stock into 666,680 shares of Common Stock, in accordance with the terms of the Certificate of Designation. The conversion was effected for no cash consideration pursuant to the Certificate of Designation.

Item 4. Purpose of Transaction

Item 4 of the Schedule 13D is hereby amended and supplemented as follows: Resignation of Peter Harwin On May 27, 2026, Peter Harwin resigned from the Board of Directors of the Company. Mr. Harwin's resignation was not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

Item 5. Interest in Securities of the Issuer

The information in rows 11 and 13 of each of the cover pages (including the explanatory note in the "Comments") of this Amendment No. 7 is incorporated by reference herein. Together, the Reporting Persons' securities include (i) 8,581,440 shares of Common Stock issuable upon conversion of 214,536 shares of Series A Preferred Stock subject to the 9.99% beneficial ownership limitation applied to all of the securities owned by the Reporting Persons and (ii) 228,646 shares of Common Stock issuable upon the exercise of options held by the Reporting Persons that are currently exercisable or will be exercisable within 60 days of the date of this filing. The securities exclude 5,260,360 shares of Common Stock issuable upon conversion of 131,509 shares of Series A Preferred Stock held directly by Fund II in excess of the beneficial ownership limitation of 9.99%.

(a)

(b) The information in rows 7 through 10 of each of the cover pages of this Amendment No. 7 is incorporated by reference herein.

(c) Item 5(c) of the Schedule 13D is hereby supplemented as follows: On June 23, 2026, Fund II sold in a block trade a total of 4,684,781 shares of Common Stock at a price of \$85.31 per share.

Item 7. Material to be Filed as Exhibits.

99.1 Joint Filing Agreement 99.1 (incorporated by reference to Exhibit 99.1 of the Reporting Persons' Schedule 13D filed with the SEC on October 17, 2025).

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.

Fairmount Funds Management LLC

Signature: /s/ Peter Harwin

Name/Title: Peter Harwin, Managing Member

Date: 06/23/2026

Signature: /s/ Tomas Kiselak

Name/Title: Tomas Kiselak, Managing Member

Date: 06/23/2026

Fairmount Healthcare Fund II L.P.

Signature: /s/ Peter Harwin

Name/Title: Peter Harwin, Managing Member

Date: 06/23/2026

Signature: /s/ Tomas Kiselak

Name/Title: Tomas Kiselak, Managing Member

Date: 06/23/2026

Peter Evan Harwin

Signature: /s/ Peter Harwin

Name/Title: Peter Harwin

Date: 06/23/2026

Tomas Kiselak

Signature: /s/ Tomas Kiselak

Name/Title: Tomas Kiselak

Date: 06/23/2026