
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 2)*

OMEGA THERAPEUTICS, INC.

(Name of Issuer)

Common Stock, \$0.001 par value per share

(Title of Class of Securities)

68217N105

(CUSIP Number)

Noubar B. Afeyan, Ph.D.
55 Cambridge Parkway, Suite 800E,
Cambridge, MA, 02142
Flagship Pioneering

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

12/29/2024

(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. 68217N105

Name of reporting person

1 Flagship V VentureLabs Rx Fund, L.P.

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 WC
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

1,088,470.00

Owned by

Sole Dispositive Power

Each

9

0.00

Reporting

Person

With:

Shared Dispositive Power

10

1,088,470.00

Aggregate amount beneficially owned by each reporting person

11 1,088,470.00

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

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

13 2 %

Type of Reporting Person (See Instructions)

14 PN

SCHEDULE 13D

CUSIP No. 68217N105

Name of reporting person

1 Flagship Ventures Fund V, 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
5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

Citizenship or place of organization

6 DELAWARE

7 Sole Voting Power

Number of
Shares

Beneficially	0.00
Owned by	Shared Voting Power
Each	8
Reporting	5,896,386.00
Person	Sole Dispositive Power
With:	9
	0.00
	Shared Dispositive Power
	10
	5,896,386.00
	Aggregate amount beneficially owned by each reporting person
11	5,896,386.00
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	<input type="checkbox"/>
	Percent of class represented by amount in Row (11)
13	10.6 %
	Type of Reporting Person (See Instructions)
14	PN

SCHEDULE 13D

CUSIP No. 68217N105

1	Name of reporting person
	Flagship Ventures Fund V General Partner LLC
	Check the appropriate box if a member of a Group (See Instructions)
2	<input type="checkbox"/> (a)
	<input checked="" type="checkbox"/> (b)
3	SEC use only
4	Source of funds (See Instructions)
	AF
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
	<input type="checkbox"/>
6	Citizenship or place of organization
	DELAWARE
	Sole Voting Power
7	0.00
Number of	Shared Voting Power
Shares	8
Beneficially	6,984,856.00
Owned by	Sole Dispositive Power
Each	9
Reporting	0.00
Person	Shared Dispositive Power
With:	10
	6,984,856.00
	Aggregate amount beneficially owned by each reporting person
11	6,984,856.00

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

13 Percent of class represented by amount in Row (11)
 12.6 %
 Type of Reporting Person (See Instructions)

14 OO

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person
 Flagship Pioneering Fund VI, 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 WC
 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
 0.00

Number of Shares Beneficially Owned by Each Reporting Person With: 8 Shared Voting Power
 8,617,413.00

9 Sole Dispositive Power
 0.00

10 Shared Dispositive Power
 8,617,413.00

11 Aggregate amount beneficially owned by each reporting person
 8,617,413.00
 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

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

13 15.6 %
 Type of Reporting Person (See Instructions)

14 PN

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person
Flagship Pioneering Fund VI General Partner LLC
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

	Sole Voting Power
7	0.00
Number of Shares Beneficially Owned by Each Reporting Person With:	Shared Voting Power
8	8,617,413.00
	Sole Dispositive Power
9	0.00
	Shared Dispositive Power
10	8,617,413.00

11 Aggregate amount beneficially owned by each reporting person
8,617,413.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

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

13 1.8 %
Type of Reporting Person (See Instructions)

14 OO

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person
Nutritional Health LTP Fund, L.P.
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)

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

6 Citizenship or place of organization
DELAWARE

7 Sole Voting Power
Number of Shares Beneficially Owned by Each Reporting Person With: 0.00
8 Shared Voting Power
970,588.00
9 Sole Dispositive Power
0.00
10 Shared Dispositive Power
970,588.00

11 Aggregate amount beneficially owned by each reporting person
970,588.00

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

13 Percent of class represented by amount in Row (11)
1.8 %

14 Type of Reporting Person (See Instructions)
PN

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person
Nutritional Health LTP Fund General Partner LLC
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

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

6 Citizenship or place of organization
DELAWARE

Number of Shares Beneficially Owned by 7 Sole Voting Power
0.00
8 Shared Voting Power

Each Reporting Person With:	970,588.00	Sole Dispositive Power
	9	
	0.00	
		Shared Dispositive Power
	10	
	970,588.00	
	Aggregate amount beneficially owned by each reporting person	
11	970,588.00	
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)	
	<input type="checkbox"/>	
13	Percent of class represented by amount in Row (11)	
	1.8 %	
14	Type of Reporting Person (See Instructions)	
	OO	

SCHEDULE 13D

CUSIP No. 68217N105

1	Name of reporting person	
	Flagship Pioneering Special Opportunities Fund II, L.P.	
	Check the appropriate box if a member of a Group (See Instructions)	
2	<input type="checkbox"/> (a)	
	<input checked="" type="checkbox"/> (b)	
3	SEC use only	
4	Source of funds (See Instructions)	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)	
	<input type="checkbox"/>	
6	Citizenship or place of organization	
	DELAWARE	
	Sole Voting Power	
	7	
	0.00	
Number of Shares Beneficially Owned by Each Reporting Person With:		Shared Voting Power
	8	
	7,508,693.00	
		Sole Dispositive Power
	9	
	0.00	
		Shared Dispositive Power
	10	
	7,508,693.00	
	Aggregate amount beneficially owned by each reporting person	
11	7,508,693.00	
12	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)	
	<input type="checkbox"/>	

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

13.6 %

Type of Reporting Person (See Instructions)

14

PN

SCHEDULE 13D

CUSIP No. 68217N105

Name of reporting person

1

Flagship Pioneering Special Opportunities Fund II General Partner LLC

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

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

Owned by

7,508,693.00

Each

Sole Dispositive Power

Reporting 9

Person

0.00

With:

Shared Dispositive Power

10

7,508,693.00

Aggregate amount beneficially owned by each reporting person

11

7,508,693.00

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

12

Percent of class represented by amount in Row (11)

13

13.6 %

Type of Reporting Person (See Instructions)

14

OO

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person
 FPN, 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 WC
 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
 Citizenship or place of organization

6 ONTARIO, CANADA

7 Sole Voting Power
 0.00

Number of Shares Beneficially Owned by Each Reporting Person With: 8 Shared Voting Power
 1,617,646.00

9 Sole Dispositive Power
 0.00

10 Shared Dispositive Power
 1,617,646.00

11 Aggregate amount beneficially owned by each reporting person
 1,617,646.00

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

13 Percent of class represented by amount in Row (11)
 2.9 %

14 Type of Reporting Person (See Instructions)
 PN

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person
 FPN General Partner LLC
 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

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

Citizenship or place of organization

6

DELAWARE

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

Owned by

1,617,646.00

Each

Sole Dispositive Power

Reporting 9

Person

0.00

With:

Shared Dispositive Power

10

1,617,646.00

Aggregate amount beneficially owned by each reporting person

11

1,617,646.00

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

12

Percent of class represented by amount in Row (11)

13

2.9 %

Type of Reporting Person (See Instructions)

14

OO

SCHEDULE 13D

CUSIP No. 68217N105

Name of reporting person

1

Flagship VentureLabs V, LLC

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

WC

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

5

Citizenship or place of organization

6

DELAWARE

Number of
Shares

Sole Voting Power

7

Beneficially

0.00

Owned by

Shared Voting Power

Each

8

Reporting

2,197,059.00

9

Sole Dispositive Power

Person
With: 0.00
Shared Dispositive Power
10
2,197,059.00
Aggregate amount beneficially owned by each reporting person
11
2,197,059.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12

Percent of class represented by amount in Row (11)
13
4 %
Type of Reporting Person (See Instructions)
14
OO

SCHEDULE 13D

CUSIP No. 68217N105

Name of reporting person
1
Flagship VentureLabs V Manager LLC
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)
5
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

Citizenship or place of organization
6
DELAWARE
Sole Voting Power
7
0.00
Number of
Shares Beneficially
Owned by Each
Reporting
Person With:
8
2,197,059.00
9
0.00
10
2,197,059.00
Aggregate amount beneficially owned by each reporting person
11
2,197,059.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12

Percent of class represented by amount in Row (11)
13
4 %

14 Type of Reporting Person (See Instructions)

OO

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person

Flagship Pioneering Fund VII, 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 WC

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

1,329,324.00

Owned by Each

Sole Dispositive Power

Reporting 9

0.00

Person

With:

Shared Dispositive Power

10

1,329,324.00

Aggregate amount beneficially owned by each reporting person

11 1,329,324.00

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

12

Percent of class represented by amount in Row (11)

13 2.4 %

Type of Reporting Person (See Instructions)

14 PN

SCHEDULE 13D

CUSIP No. 68217N105

1 Name of reporting person

Flagship Pioneering Fund VII General Partner LLC

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

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

Owned by

1,329,324.00

Each

Sole Dispositive Power

Reporting 9

Person

0.00

With:

Shared Dispositive Power

10

1,329,324.00

Aggregate amount beneficially owned by each reporting person

11

1,329,324.00

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

12

Percent of class represented by amount in Row (11)

13

2.4 %

Type of Reporting Person (See Instructions)

14

OO

SCHEDULE 13D

CUSIP No. 68217N105

Name of reporting person

1

Flagship Pioneering, Inc.

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

6 Citizenship or place of organization

DELAWARE

Sole Voting Power

7

Number of
Shares

0.00

Shared Voting Power

Beneficially

8

Owned by

22,240,723.00

Each

Sole Dispositive Power

Reporting

9

Person

0.00

With:

Shared Dispositive Power

10

22,240,723.00

Aggregate amount beneficially owned by each reporting person

11

22,240,723.00

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

12

Percent of class represented by amount in Row (11)

13

40.2 %

Type of Reporting Person (See Instructions)

14

CO

SCHEDULE 13D

CUSIP No. 68217N105

Name of reporting person

1

Noubar Afeyan

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

UNITED STATES

Number of
Shares

7

Sole Voting Power

Beneficially

0.00

Shared Voting Power

Each

8

Reporting

29,225,579.00

Person

Sole Dispositive Power

With:

9

0.00

10 Shared Dispositive Power

29,225,579.00

Aggregate amount beneficially owned by each reporting person

29,225,579.00

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



Percent of class represented by amount in Row (11)

52.8 %

Type of Reporting Person (See Instructions)

IN

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a)

Common Stock, \$0.001 par value per share

Name of Issuer:

(b)

OMEGA THERAPEUTICS, INC.

Address of Issuer's Principal Executive Offices:

(c)

140 First Street, Suite 501, Cambridge, MASSACHUSETTS , 02141.

Item 4. Purpose of Transaction

Item 4 of the Schedule 13D is hereby amended to include the following: On December 29, 2024, Mirai Bio, Inc. ("Mirai"), an affiliate of Flagship Pioneering Fund VII, L.P. sent a proposal (the "Proposal") to a special committee of independent directors of the Company (the "Special Committee"), which described a proposed modification to the terms of that certain Research Collaboration Agreement filed as Exhibit 10.33 to Omega's Annual Report on Form 10-K for the fiscal year ended December 31, 2023, filed with SEC on March 28, 2024 (the "Collaboration"). The end result of such modification would be the acquisition by Mirai (or its designee) of Omega's rights and obligations under the Collaboration and a non-exclusive, sublicensable (through multiple tiers), worldwide, royalty-free, fully paid-up, perpetual and irrevocable license to the entirety of Omega's platform for discovering and developing epigenetic/epigenomic controllers (the "OEC Platform") in exchange for the assumption of \$8,000,000 of Omega's indebtedness under that certain Loan and Security Agreement filed as Exhibit 10.11 to Amendment No. 1 to Omega's Registration Statement on Form S-1, filed with the SEC on July 26, 2021, as subsequently amended (the "Term Loan"), such amendment to the Term Loan subject to the lender's approval. The modifications to the Collaboration include Mirai (or its designee) entering into an amendment of the agreements related to the Collaboration, with any required consents, to provide for Mirai (or its designees) to assume all of the Company's existing rights and obligations under the Collaboration agreements, including all of the Company's obligations to perform research and development activities and the Company's rights to receive payments under the Collaboration. The Proposal is subject to the non-waivable approval by the Special Committee. On December 30, 2024, Michelle C. Werner, CEO-Partner at Flagship Pioneering, resigned from Omega's Board of Directors, effective immediately. The Proposal may result in one or more of the transactions, events or actions specified in subparagraphs (a) through (j) of Item 4 of Schedule 13D, including without limitation, an extraordinary corporate transaction involving the Company and other material changes to the Company's business or corporate structure. There can be no assurance that the foregoing, or anything related to the Proposal, will result in any definitive agreement, transaction or any other strategic alternative and or whether or when any of the foregoing may happen. Notwithstanding anything contained herein, the Reporting Persons and Mirai reserve the right to modify or withdraw the Proposal at any time. The Reporting Persons and Mirai reserve the right to formulate other plans or make other proposals which could result in one or more of the transactions, events or actions specified in subparagraphs (a) through (j) of Item 4 of Schedule 13D, and to modify or withdraw any such plan or proposal at any time. The Reporting Persons and Mirai do not intend to update additional disclosures regarding the Proposal until a definitive agreement has been reached, or unless disclosure is otherwise required under applicable U.S. securities laws. The Reporting Persons and Mirai intend to engage in discussions with the Special Committee regarding the terms of the Proposal. The Reporting Persons and Mirai may change the terms of the Proposal, determine to accelerate or terminate discussions with the Special Committee with respect to the Proposal, withdraw the Proposal, take any action to facilitate or increase the likelihood of consummation of the Proposal, or change their intentions with respect to any such matters, in each case at any time and without prior notice. The Reporting Persons and Mirai and their affiliates will, directly or indirectly, continue to take and take such

additional steps as they may deem appropriate to further the Proposal or otherwise to support their investment in the Company, including, without limitation: (i) engaging in discussions with advisors and other relevant parties and (ii) entering into confidentiality arrangements and other agreements, arrangements and understandings in connection with the Proposal. Neither the Proposal nor this Schedule 13D is meant to be, nor should be construed as, an offer to buy or the solicitation of an offer to sell any of the Company's securities.

Item 5. Interest in Securities of the Issuer

- Item 5(a)-(c) of the Schedule 13D is hereby amended and restated as follows: (a)-(b) The information set forth in rows 7 through 13 of the cover pages to this Schedule 13D is incorporated by reference. The percentage set forth in row 13 is based on 55,366,213 shares of Common Stock outstanding, as disclosed in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 14, 2024. Flagship V VentureLabs Rx Fund, L.P. ("Flagship Fund V Rx") directly holds 1,088,470 shares of Common Stock. Flagship Ventures Fund V, L.P. ("Flagship Fund V") directly holds 5,896,386 shares of Common Stock. Flagship Ventures Fund V General Partner LLC ("Flagship Fund V GP"), as the general partner of each of Flagship Fund V Rx and Flagship Fund V, may be deemed to beneficially own the shares directly held by Flagship Fund V Rx and Flagship Fund V. Flagship Pioneering Fund VI, L.P. ("Flagship Fund VI") directly holds 8,617,413 shares of Common Stock. Flagship Pioneering Fund VI General Partner LLC ("Flagship Fund VI GP"), as general partner of Flagship Fund VI, may be deemed to beneficially own the shares directly held by Flagship Fund VI. Nutritional Health LTP Fund, L.P. ("Nutritional LTP") directly holds 970,588 shares of Common Stock. Nutritional Health LTP Fund General Partner LLC ("Nutritional LTP GP"), as general partner of Nutritional LTP, may be deemed to beneficially own the shares directly held by Nutritional LTP. Flagship Pioneering Special Opportunities Fund II, L.P. ("Flagship Opportunities Fund II") directly holds 7,508,693 shares of Common Stock. Flagship Pioneering Special Opportunities Fund II General Partner LLC ("Flagship Opportunities Fund II GP"), as general partner of Flagship Opportunities Fund II, may be deemed to beneficially own the shares directly held by Flagship Opportunities Fund II. FPN, L.P. ("FPN Fund") directly holds 1,617,646 shares of Common Stock. FPN General Partner LLC ("FPN GP"), as general partner of FPN Fund, may be deemed to beneficially own the shares directly held by FPN Fund. Flagship VentureLabs V, LLC ("VentureLabs V") directly holds 2,197,059 shares of Common Stock. Flagship VentureLabs V Manager LLC ("VentureLabs V Manager"), as manager of VentureLabs V, may be deemed to beneficially own the shares directly held by VentureLabs V. Flagship Pioneering Fund VII, L.P. ("Flagship Fund VII" and together with Flagship Fund V Rx, Flagship Fund V, Flagship Fund VI, Nutritional LTP, Flagship Opportunities Fund II, FPN Fund and VentureLabs V, the "Flagship Funds") directly holds 1,329,324 shares of Common Stock. Flagship Pioneering Fund VII General Partner LLC ("Flagship Fund VII GP"), as general partner of Flagship Fund VII, may be deemed to beneficially own the shares directly held by Flagship Fund VII. Flagship Pioneering, Inc. ("Flagship Pioneering"), as the manager of each of Flagship Fund VI GP, Nutritional LTP GP, Flagship Opportunities II GP, FPN GP, VentureLabs V Manager and Flagship Fund VII GP, may be deemed to beneficially own the shares held directly by Flagship Fund VI, Nutritional LTP, Flagship Opportunities Fund II, FPN Fund, VentureLabs V and Flagship Fund VII. Dr. Afeyan, as the sole manager of Flagship Fund V GP and as CEO, sole shareholder and director of Flagship Pioneering, may be deemed to beneficially own the shares directly held by the Flagship Funds. Mirai does not own any shares of Common Stock
- (a)
- (b) See above.
- (c) None of the Reporting Persons have effected any transactions in the Issuer's Common Stock during the past sixty days.

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.

Flagship V VentureLabs Rx Fund, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D., Manager of General Partner

Date: 12/31/2024

Flagship Ventures Fund V, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D., Manager of General Partner

Date: 12/31/2024

Flagship Ventures Fund V General Partner LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D., Manager

Date: 12/31/2024

Flagship Pioneering Fund VI, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager of General Partner
Date: 12/31/2024

Flagship Pioneering Fund VI General Partner LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager
Date: 12/31/2024

Nutritional Health LTP Fund, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager of General Partner
Date: 12/31/2024

Nutritional Health LTP Fund General Partner LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager
Date: 12/31/2024

Flagship Pioneering Special Opportunities Fund II, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager of General Partner
Date: 12/31/2024

Flagship Pioneering Special Opportunities Fund II General
Partner LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager
Date: 12/31/2024

FPN, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager of General Partner
Date: 12/31/2024

FPN General Partner LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager
Date: 12/31/2024

Flagship VentureLabs V, LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager of General Partner
Date: 12/31/2024

Flagship VentureLabs V Manager LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.
Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager
Date: 12/31/2024

Flagship Pioneering Fund VII, L.P.

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager of General Partner

Date: 12/31/2024

Flagship Pioneering Fund VII General Partner LLC

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer
of Manager

Date: 12/31/2024

Flagship Pioneering, Inc.

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D., Chief Executive Officer

Date: 12/31/2024

Noubar Afeyan

Signature: /s/ Noubar B. Afeyan, Ph.D.

Name/Title: Noubar B. Afeyan, Ph.D.

Date: 12/31/2024