

OMB APPROVAL	
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Flagship Ventures Fund IV General Partner LLC</u>  (Last) (First) (Middle) 55 CAMBRIDGE PARKWAY, SUITE 800E  (Street) CAMBRIDGE MA 02142  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Evelo Biosciences, Inc. [ EVLO ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director <input checked="" type="checkbox"/> 10% Owner  Officer (give title below) <input type="checkbox"/> Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 05/27/2022	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/27/2022		P <sup>(1)</sup>		4,383,561	A	\$1.46	7,590,873	I	By Flagship Ventures Fund IV, L.P. <sup>(2)</sup>
Common Stock	05/27/2022		P <sup>(1)</sup>		1,095,890	A	\$1.46	1,887,419	I	By Flagship Ventures Fund IV-Rx, L.P. <sup>(3)</sup>
Common Stock	05/27/2022		P <sup>(1)</sup>		1,369,863	A	\$1.46	5,495,324	I	By Flagship Ventures Opportunities Fund I, L.P. <sup>(4)</sup>
Common Stock	05/27/2022		P <sup>(1)</sup>		6,849,315	A	\$1.46	8,219,791	I	By Nutritional Health LTP Fund, L.P. <sup>(5)</sup>
Common Stock	05/27/2022		P <sup>(1)</sup>		13,698,630	A	\$1.46	13,698,630	I	By Flagship Pioneering Fund VII, L.P. <sup>(6)</sup>
Common Stock								684,372	I	By Flagship VentureLabs IV LLC <sup>(7)</sup>
Common Stock								2,645,637	I	By Flagship VentureLabs V LLC <sup>(8)</sup>
Common Stock								4,201,284	I	By Flagship Ventures Fund V, L.P. <sup>(9)</sup>
Common Stock								1,609,871	I	By Flagship V VentureLabs Rx Fund, L.P. <sup>(10)</sup>
Common Stock								795,950	I	By Nutritional Health Side Fund, L.P. <sup>(11)</sup>

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock								3,598,177	I	By Nutritional Health Disruptive Innovation Fund, L.P. <sup>(12)</sup>

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person\*

[Flagship Ventures Fund IV General Partner LLC](#)

(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

(Street)

CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Flagship Ventures Fund IV, L.P.](#)

(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

(Street)

CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Flagship Ventures Fund IV-Rx, L.P.](#)

(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

(Street)

CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Flagship Ventures Opportunities Fund I General Partner LLC](#)

(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

(Street)

CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Flagship Ventures Opportunities Fund I, L.P.](#)

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(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

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(Street)

CAMBRIDGE MA 02142

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Nutritional Health LTP Fund General Partner LLC](#)

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(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

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(Street)

CAMBRIDGE MA 02142

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Nutritional Health LTP Fund, L.P.](#)

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(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

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(Street)

CAMBRIDGE MA 02142

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Flagship Pioneering Inc.](#)

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(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

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(Street)

CAMBRIDGE MA 02142

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[AFEYAN NOUBAR](#)

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(Last) (First) (Middle)

55 CAMBRIDGE PARKWAY, SUITE 800E

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(Street)

CAMBRIDGE MA 02142

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(City) (State) (Zip)

**Explanation of Responses:**

- On May 27, 2022, Flagship Ventures Fund IV, L.P. ("Flagship Fund IV"), Flagship Ventures Fund IV-Rx, L.P. ("Flagship Fund IV-Rx"), Flagship Ventures Opportunities Fund I, L.P. ("Flagship Opportunities I"), Nutritional Health LTP Fund, L.P. ("Nutritional LTP") and Flagship Pioneering Fund VII, L.P. ("Flagship Fund VII") acquired 4,383,561 shares, 1,095,890 shares, 1,369,863 shares, 6,849,315 shares and 13,698,630 shares, respectively, of the Issuer's Common Stock in a registered direct offering at a price of \$1.46 per share.
- Shares held by Flagship Fund IV. Flagship Ventures Fund IV General Partner LLC ("Flagship Fund IV GP") is the general partner of Flagship Fund IV. Noubar B. Afeyan, Ph.D. ("Dr. Afeyan") is the sole manager of Flagship Fund IV GP. Each of the reporting persons except for Flagship Fund IV disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.
- Shares held by Flagship Fund IV-Rx. Flagship Fund IV GP is the general partner of Flagship Fund IV-Rx. Dr. Afeyan is the sole manager of Flagship Fund IV GP. Each of the reporting persons except for Flagship Fund IV-Rx disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.
- Shares held by Flagship Opportunities I. Flagship Ventures Opportunities Fund I General Partner LLC ("Flagship Opportunities GP") is the general partner of Flagship Opportunities I. Dr. Afeyan is the sole manager of Flagship Opportunities GP. Each of the reporting persons except for Flagship Opportunities I disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.
- Shares held by Nutritional LTP. Nutritional Health LTP Fund General Partner LLC ("Nutritional LTP GP") is the general partner of Nutritional LTP. Dr. Afeyan is the sole member and manager of Nutritional LTP GP. Each of the reporting persons except for Nutritional LTP disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.
- Shares held by Flagship Fund VII. Flagship Pioneering Fund VII General Partner LLC ("Flagship Fund VII GP") is the general partner of Flagship Fund VII. Flagship Pioneering, Inc. ("Flagship Pioneering") is the manager of Flagship Fund VII GP. Dr. Afeyan is the Chief Executive Officer, director and sole stockholder of Flagship Pioneering. Each of the reporting persons except for Flagship Fund VII disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.
- Shares held by Flagship VentureLabs IV, LLC ("VentureLabs IV"). Flagship Fund IV is a member of VentureLabs IV and also serves as its manager. Flagship Fund IV GP is the general partner of Flagship Fund IV. Dr. Afeyan is the sole manager of Flagship Fund IV GP. Each of the reporting persons except for VentureLabs IV disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.

8. Shares held by Flagship VentureLabs V LLC ("VentureLabs V"). Flagship VentureLabs V Manager LLC ("VentureLabs V Manager") serves as manager of VentureLabs V. Flagship Pioneering is the manager of VentureLabs V Manager. Dr. Afeyan is the Chief Executive Officer, director and sole stockholder of Flagship Pioneering. Each of the reporting persons except for VentureLabs V disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.

9. Shares held by Flagship Ventures Fund V, L.P. ("Flagship Fund V"). Flagship Ventures Fund V General Partner LLC ("Flagship Fund V GP") is the general partner of Flagship Fund V. Dr. Afeyan serves as sole manager of Flagship Fund V. Each of the reporting persons except for Flagship Fund V disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.

10. Shares held by Flagship V VentureLabs Rx Fund, L.P. ("VentureLabs Rx V"). Flagship Fund V GP is the general partner of VentureLabs Rx V. Dr. Afeyan serves as sole manager of Flagship Fund V GP. Each of the reporting persons except for VentureLabs Rx V disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.

11. Shares held by Nutritional Health Side Fund, L.P. ("Nutritional Health Side Fund"). Flagship Fund V GP is the general partner of Nutritional Health Side Fund. Dr. Afeyan serves as sole manager of Flagship Fund V GP. Each of the reporting persons except for Nutritional Health Side Fund disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.

12. Shares held by Nutritional Health Disruptive Innovation Fund, L.P. ("Nutritional Innovation Fund"). Flagship Fund V GP is the general partner of Nutritional Innovation Fund. Dr. Afeyan serves as sole manager of Flagship Fund V GP. Each of the reporting persons except for Nutritional Innovation Fund disclaims beneficial ownership of such shares except to the extent of his or its pecuniary interest therein.

## Remarks:

Flagship Ventures Fund IV  
General Partner LLC, By: /s/  
Noubar B. Afeyan, Ph.D., 06/01/2022  
Name: Noubar B. Afeyan,  
Ph.D., Title: Manager

Flagship Ventures Fund IV,  
L.P., By: Flagship Ventures  
Fund IV General Partner LLC,  
its general partner, By: /s/ 06/01/2022  
Noubar B. Afeyan, Ph.D.,  
Name: Noubar B. Afeyan,  
Ph.D., Title: Manager

Flagship Ventures Fund IV-  
Rx, L.P., By: Flagship  
Ventures Fund IV General  
Partner LLC, its general 06/01/2022  
partner, By: /s/ Noubar B.  
Afeyan, Ph.D., Name: Noubar  
B. Afeyan, Ph.D., Title:  
Manager

Flagship Ventures  
Opportunities Fund I General  
Partner LLC, By: /s/ Noubar 06/01/2022  
B. Afeyan, Ph.D., Name:  
Noubar B. Afeyan, Ph.D.,  
Title: Manager

Flagship Ventures  
Opportunities Fund I, L.P. By:  
Flagship Ventures  
Opportunities Fund I General  
Partner LLC, its general 06/01/2022  
partner, By: /s/ Noubar B.  
Afeyan, Ph.D., Name: Noubar  
B. Afeyan, Ph.D., Title:  
Manager

Nutritional Health LTP Fund  
General Partner LLC, By: /s/  
Noubar B. Afeyan, Name: 06/01/2022  
Noubar B. Afeyan, Ph.D.,  
Title: Manager

Nutritional Health LTP Fund,  
L.P., By: Nutritional Health  
LTP Fund General Partner  
LLC, its general partner, By: 06/01/2022  
/s/ Noubar B. Afeyan, Name:  
Noubar B. Afeyan, Ph.D.,  
Title: Manager

Flagship Pioneering, Inc. By:  
/s/ Noubar B. Afeyan, Name: 06/01/2022  
Noubar B. Afeyan, Ph.D.,  
Title: Chief Executive Officer

Noubar B. Afeyan, Ph.D. By: 06/01/2022  
/s/ Noubar B. Afeyan, Ph.D.

\*\* Signature of Reporting Person      Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.