

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| OMB APPROVAL | |
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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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>Nutritional Health LTP Fund</u> <u>General Partner LLC</u> <hr/> (Last) (First) (Middle) 55 CAMBRIDGE PARKWAY, SUITE 800E <hr/> (Street) CAMBRIDGE MA 02142 <hr/> (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 06/29/2020 | 3. Issuer Name and Ticker or Trading Symbol <u>Evelo Biosciences, Inc. [EVLO]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below) | 5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 1,333,333 ⁽¹⁾ | I | See Footnote ⁽²⁾ |
| Common Stock | 2,645,637 | I | See Footnote ⁽³⁾ |

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
| | | | | | | | |

1. Name and Address of Reporting Person*
Nutritional Health LTP Fund 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*
Nutritional Health LTP Fund, 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 Pioneering Inc.

(Last) (First) (Middle)
55 CAMBRIDGE PARKWAY, SUITE 800E

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

1. Name and Address of Reporting Person *

Flagship VentureLabs V Manager LLC

(Last) (First) (Middle)
55 CAMBRIDGE PARKWAY, SUITE 800E

(Street)
CAMBRIDGE MA 02142

(City) (State) (Zip)

Explanation of Responses:

- On June 29, 2020, Nutritional Health LTP Fund, L.P. ("Nutritional LTP") acquired 1,333,333 shares pursuant to an underwritten public offering of common stock of the Issuer.
- Shares held by Nutritional LTP. Nutritional Health LTP Fund General Partner LLC ("Nutritional LTP GP") is the general partner of Nutritional LTP. Noubar B. Afeyan Ph.D. ("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 VentureLabs V LLC ("VentureLabs V"). Flagship VentureLabs V Manager LLC ("VentureLabs V Manager") now serves as manager of VentureLabs V. Flagship Pioneering, Inc. ("Flagship Pioneering") is the manager of VentureLabs V Manager. Dr. Afeyan serves as sole director 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. As a result in the change of the manager of VentureLabs V, VentureLabs V Manager and Flagship Pioneering are now reporting persons under Section 16 with respect to the shares of the Issuer held directly by VentureLabs V.

Remarks:

Nutritional Health LTP
Fund General Partner
LLC, By: /s/ Noubar B.
Afeyan, Name: Noubar B.
Afeyan, Ph.D., Title:
Manager 07/01/2020

Nutritional Health LTP
Fund, L.P., By: Nutritional
Health LTP Fund General
Partner LLC, its general
partner, By: /s/ Noubar B.
Afeyan, Name: Noubar B.
Afeyan, Ph.D., Title:
Manager 07/01/2020

Flagship Pioneering, Inc.,
By: /s/ Noubar B. Afeyan,
Name: Noubar B. Afeyan,
Ph.D., Title: Sole Director 07/01/2020

Flagship VentureLabs V
Manager LLC, By:
Flagship Pioneering, Inc.,
By: /s/ Noubar B. Afeyan,
Name: Noubar B. Afeyan,
Ph.D., Title: Sole Director 07/01/2020

** 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 5 (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.