

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

| OMB APPROVAL | |
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|---|--|--|--|--|
| 1. Name and Address of Reporting Person* <u>McInnes Iain B.</u> <hr/> (Last) (First) (Middle) <u>C/O EVELO BIOSCIENCES, INC.</u> <u>620 MEMORIAL DRIVE</u> <hr/> (Street) <u>CAMBRIDGE MA 02139</u> <hr/> (City) (State) (Zip) | | | 2. Date of Event Requiring Statement (Month/Day/Year) <u>09/02/2021</u> | 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) <input checked="" type="checkbox"/> Director 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) <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 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) |
|--|---|--|---|
| 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 | | | |
| Explanation of Responses: Remarks: Exhibit 24 - Power of Attorney No securities are beneficially owned. | | | | | | | |

/s/ Daniel S. Char, Attorney-in-Fact for Iain B. McInnes 09/07/2021
 ** 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.

POWER OF ATTORNEY

With respect to holdings of and transactions in securities issued by Evelo Biosciences, Inc. (the "Company"), the undersigned hereby constitute

1. prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the United States Securities and Exchange Commission
2. execute for and on behalf of the undersigned, Forms 3, 4, and 5 in accordance with Section 16 of the Securities Exchange Act of 1934, as amended
3. do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Forms
4. take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to the undersigned

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever

The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assured

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to

In Witness Whereof, the undersigned has caused this Power of Attorney to be executed as of this 1 day of September 2021.

Signature: /s/ Iain B. McInnes
Print Name: Iain B. McInnes, Ph.D.

Schedule A

Individuals Appointed as Attorney-in-Fact with Full Power of Substitution and Resubstitution

Daniel S. Char
Luca Scavo
Xiaoli (Jacqueline) Liu