FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| Г |                          |           |  |  |  |  |  |  |  |  |
|---|--------------------------|-----------|--|--|--|--|--|--|--|--|
|   | OMB APPROVAL             |           |  |  |  |  |  |  |  |  |
| ı | I                        |           |  |  |  |  |  |  |  |  |
| l | OMB Number:              | 3235-0287 |  |  |  |  |  |  |  |  |
| l | Estimated average burden |           |  |  |  |  |  |  |  |  |
| l | hours per response       | : 0.5     |  |  |  |  |  |  |  |  |

|    | Check this box if no longer subject |
|----|-------------------------------------|
| ٦. | to Section 16. Form 4 or Form 5     |
| J  | obligations may continue. See       |
|    | Instruction 1(b).                   |

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

|   |  |       |        |   | UI Sec   | uon                            | 0(11) 0  | ii iiie  | iiivesiiiie        | in CC | impany Act o   | JI 1940                                   |            |   |  |  |  |  |         |  |
|---|--|-------|--------|---|--|--------------------------------|--|--|--------------------|-------|--|---|------------|---|--|--|--|--|---------|--|
| Name and Address of Reporting Person*     Parlavecchio Caryn      |  |       |        |   | 2. Issuer Name <b>and</b> Ticker or Trading Symbol Scholar Rock Holding Corp [ SRRK ]  |                                |  |  |                    |       |  |   |            |   | k all app<br>Direc   | olicable)<br>etor  |  | erson(s) to I  | wner    |  |
| (Last) (First) (Middle) 301 BINNEY STREET                         |  |       |        | )                                       | 3. Date of Earliest Transaction (Month/Day/Year) 06/21/2023  |                                |  |  |                    |       |  |   |            | X   | Officer (give title below)   |  | Other (spi<br>below)   |  | specify |  |
| (Street) CAMBRIDGE MA 02142                                       |  |       |        |   | 4. If Amendment, Date of Original Filed (Month/Day/Year)   |                                |  |  |                    |       |  |   |            | i. Indi<br>ine)<br>X                        | ''   |  |  |  |         |  |
| (City) (State) (Zip)  |  |       |        |   | Rule 10b5-1(c) Transaction Indication  |                                |  |  |                    |       |  |   |            |   |  |  |  |  |         |  |
|   |  |       |        |   | Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. |                                |  |  |                    |       |  |   |            |   |  |  |  |  |         |  |
|   |  | Table | I - No | on-Deriva                               | tive S   | ecui                           | rities   | Acc  | quired,            | Dis   | posed of   | f, or E                                   | 3enefic    | ially                                       | wO v   | ned  |  |  |         |  |
| 1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/N |  |       |        | Execution Date,                         |  |                                |  | 3. 4. Securities Acq<br>Transaction Disposed Of (D) (<br>5) 5) |                    |       |  | Acquired (A) or<br>f (D) (Instr. 3, 4 and |            | 5. Amo<br>Secur<br>Benef<br>Owner<br>Follow | icially<br>d   | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) |  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)  |         |  |
|   |  |       |        |   |  |                                |  |  | Code               | v     | Amount   | (A) (D)                                   | Price      |   | Reported<br>Transaction(s)<br>(Instr. 3 and 4)   |  |  |  |         |  |
| Common Stock 06/21/20   |  |       |        |   |  | )23                            |  |  | F                  |       | 4,038(1)   | D   | \$8.7      | \$8.7498                                    |  | 118,552 <sup>(2)</sup>   |  | D  |         |  |
|   |  | Tal   | ole II | - Derivativ<br>(e.g., pu                |  |                                |  |  |                    |       | osed of,<br>convertib  |   |            |   | Owne   | ed   |  |  |         |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)               | ative Conversion Date Execution Date, if any |       |        | 4.<br>Transaction<br>Code (Instr.<br>8) |  | Secu<br>Acqu<br>(A) o<br>Dispo | vative<br>rities<br>rired<br>r<br>osed<br>)<br>r. 3, 4 | 6. Date Exercisable<br>Expiration Date<br>(Month/Day/Year)     |                    | ate   | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative<br>Security<br>(Instr. 3 and |   | Der<br>Sec | rice of<br>ivative<br>urity<br>tr. 5)       | 9. Number<br>derivative<br>Securities<br>Beneficiall<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | Ow<br>For<br>Dir<br>or I<br>(I) (                                    | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |         |  |
|   |  |       | Code   | v                                       | (A)  | (D)                            | Date<br>Exercisable                                    |  | Expiration<br>Date | Title | Amount<br>or<br>Number<br>of<br>Shares   |   |            |   |  |  |  |  |         |  |

## Explanation of Responses:

1. Represents the number of shares required to be sold by the reporting person to cover the tax withholding obligation in connection with the vesting of restricted stock units ("RSU") on June 15, 2023. This sale is mandated by the Issuer's election under its equity incentive plans to require the reporting person to fund this tax withholding obligation by completing a "sell to cover" transaction with a brokerage firm designated by the Issuer. This sale does not represent a discretionary trade by the reporting person. The shares vested pursuant to awards that were granted on June 16, 2022. Each RSU represents the contingent right to receive, upon vesting of the RSU, one share of the Issuer's common stock. The shares subject to these RSU awards vest annually over three years, subject to a continued service relationship with the Issuer on the applicable vesting date.

2. Consists of 14,618 shares of common stock and 103,934 RSUs.

/s/ Junlin Ho, Attorney-in-Fact for Caryn Parlavecchio

06/22/2023

\*\* 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.