

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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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>ARCH Venture Fund VIII, L.P.</u> (Last) (First) (Middle) 8755 WEST HIGGINS ROAD, SUITE 1025 (Street) CHICAGO IL 60631 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 05/23/2018	3. Issuer Name and Ticker or Trading Symbol <u>Scholar Rock Holding Corp [SRRK]</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)
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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			
Series A-2 Preferred	(1)	(1)	Common Stock	437,859	(1)	I	By ARCH Venture Fund VIII, L.P. ⁽²⁾
Series A-3 Preferred	(1)	(1)	Common Stock	634,579	(1)	I	By ARCH Venture Fund VIII, L.P. ⁽²⁾
Series A-4 Preferred	(1)	(1)	Common Stock	551,807	(1)	I	By ARCH Venture Fund VIII, L.P. ⁽²⁾
Series B Preferred	(1)	(1)	Common Stock	719,559	(1)	I	By ARCH Venture Fund VIII, L.P. ⁽²⁾
Series C Preferred	(1)	(1)	Common Stock	293,813	(1)	I	By ARCH Venture Fund VIII, L.P. ⁽²⁾

1. Name and Address of Reporting Person* <u>ARCH Venture Fund VIII, L.P.</u> (Last) (First) (Middle) 8755 WEST HIGGINS ROAD, SUITE 1025 (Street) CHICAGO IL 60631 (City) (State) (Zip)
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1. Name and Address of Reporting Person* <u>ARCH Venture Partners VIII, LLC</u> (Last) (First) (Middle) 8755 WEST HIGGINS ROAD, SUITE 1025 (Street) CHICAGO IL 60631 (City) (State) (Zip)

1. Name and Address of Reporting Person* <u>CRANDELL KEITH</u>

(Last) (First) (Middle)
8755 WEST HIGGINS ROAD, SUITE 1025

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[BYBEE CLINTON](#)

(Last) (First) (Middle)
8755 WEST HIGGINS ROAD, SUITE 1025

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[NELSEN ROBERT](#)

(Last) (First) (Middle)
8755 WEST HIGGINS ROAD, SUITE 1025

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[ARCH Venture Partners VIII, L.P.](#)

(Last) (First) (Middle)
8755 WEST HIGGINS ROAD, SUITE 1025

(Street)
CHICAGO IL 60631

(City) (State) (Zip)

Explanation of Responses:

1. Each share of Preferred Stock is convertible on a 2.8548-for-1 basis into Common Stock at any time at the election of ARCH Venture Fund VIII, L.P. ("ARCH Fund VIII") and will automatically convert upon the closing of the Issuer's initial public offering into the number of shares of the Issuer's Common Stock shown in column 3 without payment or further consideration.
2. The reportable securities are owned directly by ARCH Fund VIII. The sole general partner of ARCH Fund VIII is ARCH Venture Partners VIII, L.P. or ARCH Partners VIII, which may be deemed to beneficially own the shares held by ARCH Fund VIII. The sole general partner of ARCH Partners VIII is ARCH Venture Partners VIII, LLC or ARCH VIII LLC, which may be deemed to beneficially own the shares held by ARCH Fund VIII. ARCH Partners VIII and ARCH VIII LLC disclaim beneficial ownership of such shares, except to the extent of any pecuniary interest therein. The managing directors of ARCH VIII LLC are Keith L. Crandell, Clinton Bybee and Robert Nelsen, and they may be deemed to beneficially own the shares held by ARCH Fund VIII. Messrs. Crandell, Bybee and Nelsen disclaim beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

[ARCH Venture Fund VIII, L.P.](#)
[By: ARCH Venture Partners](#)
[VIII, L.P., its General Partner](#)
[By: ARCH Venture Partners](#) 05/23/2018
[VIII, LLC, its General Partner](#)

[By: /s/ Mark McDonnell, as](#)
[Attorney-in-Fact for Keith](#)
[Crandell, Managing Director](#)
[ARCH Venture Partners VIII,](#)
[L.P. By: ARCH Venture](#)
[Partners VIII, LLC, its General](#)
[Partner By: /s/ Mark](#) 05/23/2018
[McDonnell, as Attorney-in-](#)
[Fact for Keith Crandell,](#)
[Managing Director](#)

[ARCH Venture Partners VIII,](#)
[LLC By: /s/ Mark McDonnell,](#) 05/23/2018
[as Attorney-in-Fact for Keith](#)
[Crandell, Managing Director](#)
[Keith Crandell, Managing](#)
[Director By: /s/ Mark](#) 05/23/2018
[McDonnell, as Attorney-in-](#)
[Fact](#)

Clinton Bybee, Managing
Director By: /s/ Mark
McDonnell, as Attorney-in-
Fact 05/23/2018

Robert Nelsen, Managing
Director By: /s/ Mark
McDonnell, as Attorney-in-
Fact 05/23/2018

** 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.