UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event Reported): January 4, 2024

Scholar Rock Holding Corporation (Exact Name of Registrant as Specified in Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

001-38501 (Commission File Number)

82-3750435 (I.R.S. Employer Identification Number)

301 Binney Street, 3rd Floor, Cambridge, MA 02142 (Address of Principal Executive Offices) (Zip Code)

(857) 259-3860

(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 □ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 □ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	SRRK	The Nasdaq Global Select Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2). Emerging growth company 🗵

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 2.02. Results of Operations and Financial Condition.

On January 4, 2024, Scholar Rock Holding Corporation (the "Company") issued a press release which contained information regarding the Company's preliminary, unaudited estimate of cash and cash equivalents of approximately \$280 million as of December 31, 2023, which is projected to fund the Company's operations into the second half of 2025. This information is preliminary and unaudited. The Company expects to report its audited cash, cash equivalents and marketable securities, as well as other information necessary for a complete understanding of its financial position, in its Annual Report on Form 10-K for the year ended December 31, 2023.

The information in this Item 2.02 is intended to be furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section. It may only be incorporated by reference in another filing under the Exchange Act or the Securities Act of 1933, as amended, if such subsequent filing specifically references the information furnished pursuant to Item 7.01 and Exhibit 99.1 of this Current Report on Form 8-K.

Item 7.01. Regulation FD Disclosure.

On January 4, 2024, the Company announced that management will present at the 42nd Annual J.P. Morgan Healthcare Conference on Tuesday, January 9, 2024 at 1:30 p.m. PT (4:30 p.m. ET). A copy of the presentation slide deck that will be presented is being furnished as Exhibit 99.1 to this report on Form 8-K. A live webcast of the presentation may be accessed by visiting the Investors & Media section of the Scholar Rock website at http://investors.scholarrock.com.

The information in this Item 7.01 and Exhibit 99.1 attached hereto is intended to be furnished and shall not be deemed "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liabilities of that section. It may only be incorporated by reference in another filing under the Exchange Act or the Securities Act of 1933, as amended, if such subsequent filing specifically references the information furnished pursuant to Item 7.01 and Exhibit 99.1 of this Current Report on Form 8-K.

Item 8.01. Other Events.

On January 4, 2024, the Company issued a press release announcing a corporate update and highlighting priorities for 2024. A copy of this press release is being filed as Exhibit 99.2 to this Current Report on Form 8-K and is incorporated by reference herein.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit No. Description

<u>99.1</u>	Presentation distributed by Scholar Rock Holding Corporation dated January 8, 2024, furnished hereto.
<u>99.2</u>	Press Release issued by Scholar Rock Holding Corporation dated January 4, 2024, filed hereto.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Scholar Rock Holding Corporation

Date:	January	8,	2024

By: /s/ Junlin Ho Junlin Ho General Counsel & Corporate Secretary





Advancing New Possibilities for Patients

42nd ANNUAL J.P. MORGAN HEALTHCARE CONFERENCE

JANUARY 9, 2024



Forward-Looking Statements

Various statements in this presentation concerning the future expectations, plans and prospects of Scholar Rock, Inc. ("Scholar Rock"), including without limitation, Scholar Rock's expectations regarding its strategy, its product candidate selection and development timing, including timing for the initiation of and reporting results from its preclinical studies and clinical trials for SRK-439, apitegromab, SRK-181, and other product candidates and indication selection and development timing, its cash runway, the ability of any product candidate to perform in humans in a manner consistent with earlier nonclinical, preclinical or clinical trial data, and the potential of its product candidates and proprietary platform. The use of words such as "may," "could," "might," "will," "should," "expect," "plan," "anticipate," "believe," "estimate," "project," "intend," "future," "potential," or "continue," and other similar expressions are intended to identify such forward-looking statements for the purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995. All such forward-looking statements are based on management's current expectations of future events and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements. These risks and uncertainties include, without limitation, that preclinical and clinical data, including the results from the Phase 2 trial of apitegromab or Part B of the Phase 1 trial of SRK-181, are not predictive of, may be inconsistent with, or more favorable than, data generated from future or ongoing clinical trials of the same product candidate, including the Phase 3 clinical trial of apitegromab in SMA and Part B of the Phase 1 clinical trial of SRK-181, respectively, Scholar Rock's ability to provide the financial support, resources and expertise necessary to identify and develop product candidates on the expected timeline, the data generated from Scholar Rock's nonclinical and preclinical studies and clinical trials, information provided or decisions made by regulatory authorities, competition from third parties that are developing products for similar uses, Scholar Rock's ability to obtain, maintain and protect its intellectual property, the success of Scholar Rock's current and potential future collaborations, Scholar Rock's dependence on third parties for development and manufacture of product candidates including, without limitation, to supply any clinical trials, Scholar Rock's ability to manage expenses and to obtain additional funding when needed to support its business activities and establish and maintain strategic business alliances and new business initiatives, and the impacts of current macroeconomic and geopolitical events, hostilities in Ukraine, increasing rates of inflation and rising interest rates, on business operations and expectations, as well as those risks more fully discussed in the section entitled "Risk Factors" in Scholar Rock's Form 10-K for the year ended December 31, 2022, and Quarterly Report on Form 10-Q for the quarter ended September 30, 2023, as well as discussions of potential risks, uncertainties, and other important factors in Scholar Rock's subsequent filings with the Securities and Exchange Commission. Any forward-looking statements represent Scholar Rock's views only as of today and should not be relied upon as representing its views as of any subsequent date. All information in this press release is as of the date of the release, and Scholar Rock undertakes no duty to update this information unless required by law.

This presentation may also contain estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. In addition, projections, assumptions, and estimates of our future performance and the future performance of the markets in which we compete are necessarily subject to a high degree of uncertainty and risk.

Apitegromab and SRK-181 are investigational drug candidates under evaluation. Apitegromab, SRK-181, and SRK-439 have not been approved for any use by the FDA or any other regulatory agency and the safety and efficacy of apitegromab, SRK-181 and SRK-439 have not been established.

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Scholar Rock.



We are a global leader in harnessing the life-changing potential of TGFB biology



To discover, develop, and deliver life-changing therapies by harnessing cutting-edge science to create new possibilities for people living with serious diseases

TGFB=Transforming growth factor-beta. SMA=Spinal muscular atrophy *Christopher is a participant in the TOPAZ and ONYX clinical trials



Building a Fully Integrated Therapeutics Company

Revolutionary Scientific Platform

- Pioneers in unparalleled selective targeting of the latent forms of growth factors
- Robust pipeline of novel assets including two clinical programs and a growing portfolio of preclinical programs

TOT

Transformative Therapeutics in Development

Apitegromab in SMA

Potential therapy in Ph 3 designed to improve motor function to help address remaining unmet need after receipt of existing SMA therapies

SRK- 439 in Obesity

Novel antimyostatin antibody with the potential to support healthier weight management by preserving lean muscle

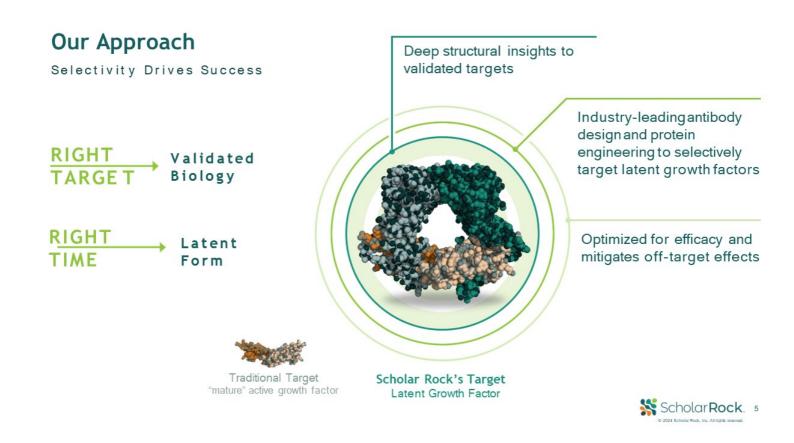
SRK-181 in Immuno-Oncology In Ph 1 developmentto overcome resistance to checkpoint inhibitors in multiple tumor types

Experienced and Focused

- Seasoned team with track record of clinical and commercial success
- Deep rare disease, R&D, FDA/EMA approval & launch experience
- Focused, efficient approach to scaling the organization



SMA=Spinal muscular atrophy; EMA=European Medicines Agency; FDA=United States Food and Drug Administration; R&D=research and development.



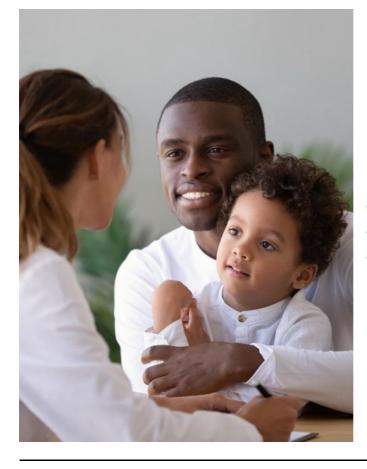
Advancing a Robust Pipeline with Our Differentiated Platform

TARGET		DISCOVERY/ PRECLINICAL	PHASE 1	PHASE 2	PHASE 3
	SPINAL MUSCULAR ATROPHY Apitegromab			TOPAL	
Latent Myostatin	CARDIOMETABOLIC DISORDERS Apitegromab in Obesity*				SAPPHIKE
	SRK-439 (novel antimyostatin antibody)				
Latent TGF8-1	IMMUNO-ONCOLOGY SHK-181 (selective context-independent, anti-latent TGFβ-1)		2		
	FIBROSIS Selective context-dependent (LTBP1 & LTBP3) anti-latent TGFβ-1		DRAGON		
RGMc	ANEMIA Selective anti-RGMc				

Potential to transform the lives of people living with a wide range of serious diseases, including neuromuscular disorders, cardiometabolic disorders, oncology, and fibrosis

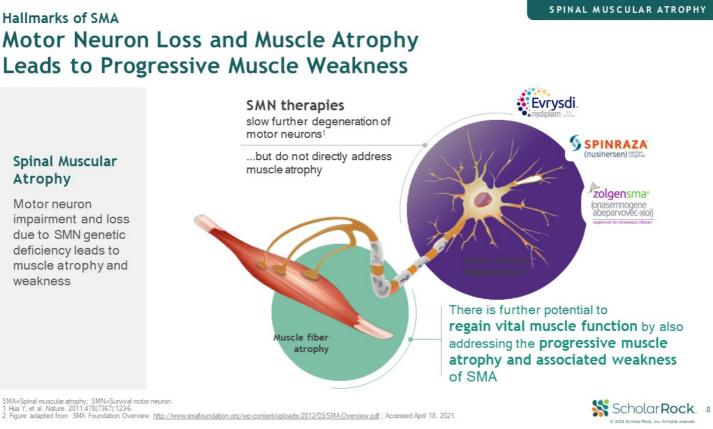
* Subject to receipt of regulatory authority approval. We plan to utilize data from a previously completed Ph 1 study in healthy volunteers and initiate a Ph 2 POC trial in 2024. LTBP1=Latent transforming growth factor beta binding protein 1; LTBP3=Latent transforming growth factor beta binding protein 3; POC=Proof of concept; RGMc=Repulsive guidance molecule C; TGFβ-1=Transforming growth factor beta-1.





Antimyostatin Program: Apitegromab in Spinal Muscular Atrophy





SMA Leads to Deterioration in Essential Muscle Function





What may seem like minimal gains in strength actually translate to exponential gains in functional abilities.

I often have to choose between taking a shower and doing homework because I don't have the energy to do both.

Small tasks are huge success in my life. If I could lift that 1L bottle of water at work instead of having to find a graduate student to move it for me...**things don't take a ton more muscle, but they are all muscle I still don't have**.

Despite significant advancements, progressive muscle weakness remains an unmet need in SMA Muscle weakness can lead to deterioration in mobility, swallowing, breathing and cause debilitating fatigue

Quotes are from patient advocates who participated in 2022 Cure SMA FDA Patient-Led Listening Session and not from the pictured individuals. Summary of the listening session can be found on the FDA website at https://www.curesma.org/cure-sma-holds-patient-led-listening-session-with-fda/



SMA Today: More Patients Screened and Treated



Three treatments to address SMN loss



>13,000 patients treated WW \$1.8 billion annual revenue (LTM)³



> 11,000 patients treated WW

~CHF1.4 billion annual revenue (LTM)⁴ zolgensma (onasemnogene abeparvovec-xioi)

> 3,500 patients treated WW

~\$1.2 billion in revenues (LTM)5

Established market dynamics support Scholar Rock's first potential commercial launch

IHF-Swiss franc; LTM-last twelve months; SMA-Spinal muscular atrophy; SMN-Survival motor neuron; WW=worldwide. Cure SMA 2022 Report: <u>9042022</u> State-of-SMA vweb <u>pdf</u> (curesma org) Lally et al. Indirect estimation of the prevalence of spinal muscular atrophy Type I, II, and III in the United States. Orphanet J Rare Dis. 2017 Nov 28;12(1):175 doi: 10.1186/s13023-017-0724-z. Revenue as of Biogen 3023 financial update; includes patients treated worldwide in post-marketing setting, expanded access program, and clinical trials as of May 2022. Revenue as of Roche 3023 financial update; includes patients treated worldwide as of July 2023.



Muscle-Targeted Therapy: A New Treatment Frontier

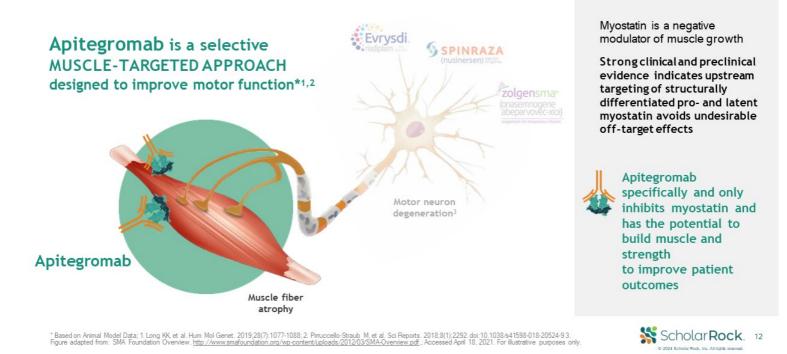


Mean improvement in HFMSE experienced by patients in nusinersen Phase 3 CHERISH trial¹

"Percentages represent percent of patients who named these unmet needs when asked, "What are your most significant current unmet needs that you hope new therapies would address?" HFMSE=Hammersmith Functional Motor Scale-Expanded. I. Mercurr Eet al.; N Engl J Med 2018; 378:625-635; DOI: 10.1056/NEJMoa1710504;cherish trial results; 2. 2022 Community. Update Survey, Cure SMA. This thirdparty information is provided for background only and is not intended to convey or imply a comparison to the TOPAZ clinical trial results.

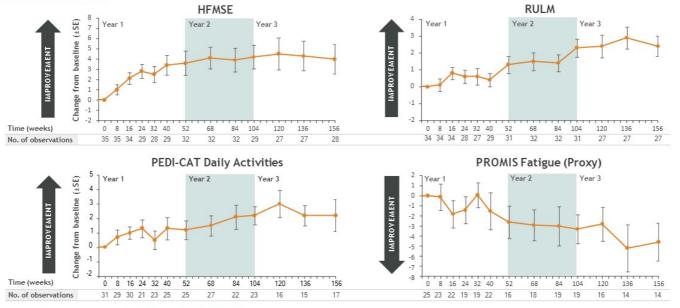


Apitegromab Offers Significant Potential to Address Unmet Needs



TOPAZ Over 36 Months

Sustained Functional and PRO Improvements Beyond SMN Treatment

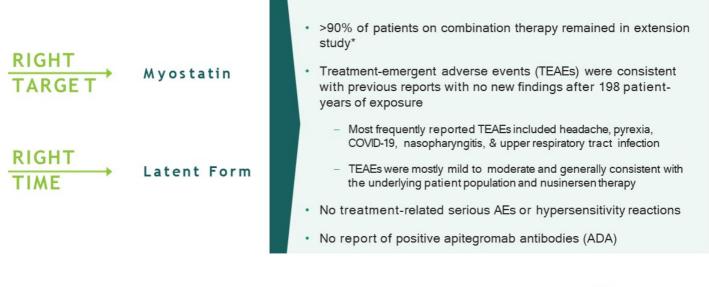


N = 35; Baseline mean age=7.3 |Time on SMN Rx=24.1m

PRO-patient reported outcomes: HFMSE-Hammersmith Functional Motor Scale Expanded: OC=observed case; PEDI-CAT=Pediatric Evaluation of Disability Inventory Computer Adaptive Test; PROMS=Patient Reported Outcome Measurement Information System; RULM=Revised upper limb module; SE=standard error of the mean. Pooled nonambulatory patients, age 2-21, all doses. Crawford et al., Cure SMA 2023

Scholar Rock. 13

TOPAZ Over 36 Months Well Tolerated Safety Profile & Low Discontinuation Rate



Crawford et al., Cure SMA 2023 * Excludes patients on monotherapy

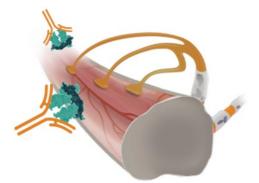


SAPPHIRE Phase 3 Design is Optimized by Insights from TOPAZ

TOPAZ	SAPPHIRE Phase 3 SAPPHIRE Trial Registrational trial with topline 12-month data readout expected in Q4 2024
TOPAZ Learnings	SAPPHIRE Design Elements
STUDY POPULATION Substantial HFMSE gains observed in the nonambulatory Type 2/3 SMA cohorts	STUDY POPULATION Nonambulatory Type 2/3 SMA Primary efficacy endpoint: HFMSE
AGE Exploratory age 2-12 analysis in nonambulatory Type 2/3 showed transformative potential	Age 2-12 main efficacy population Age 13-21 exploratory population
DURATION HFMSE gains substantial by 12 months of treatment	12-month treatment duration
Dose response seen (greater effect observed with 20 mg/kg over 2 mg/kg)	 DOSE 20 mg/kg apitegromab dose 10 mg/kg apitegromab dose
HFMSE=Hammersmith Functional Motor Scale Expanded.	Scholar Rock. 15 9 2024 Scholar Road, Inc. Alfrighte reserved.

Apitegromab: Potential to Maximize Outcomes for People Living with Spinal Muscular Atrophy (SMA)

Transformative Potential to Change the Standard of Care



First and only muscle-targeted investigational treatment to demonstrate clinical proof-of-concept in SMA



Phase 3 SAPPHIRE Trial Registrational trial with topline 12-month data expected in Q4 2024



Phase 2 TOPAZ Trial Demonstrated substantial and sustained functional improvements in Type 2 and nonambulatory Type 3 SMA patients



ONYX Open-Label **Extension Study** ONYX Evaluating the long-term safety and efficacy of apitegromab in patients who have completed TOPAZ or SAPPHIRE

Apitegromab is an investigational drug candidate being evaluated for the treatment of spinal muscular atrophy (SMA). Apitegromab has not been approved for any use by the FDA or any other regulatory agency, and its safety and efficacy have not been established.



Expanding to Benefit More People Living with SMA

WHERE WE WERE	WHERE WE A	N CARLON C	WHERE WE ARE GOING
12-Month 24-Month 36-Month COMPLETE EXTENSION EXTENSION COMPLETE COMPLETE	SAPPHIRE 12-Month Q4 2024 data	Long-term EXTENSION for TOPAZ and SAPPHIRE studies	Scale for Commercial Launch (2025)* Under 2 Years of Age (including those treated with gene therapy) Ambulatory Population Sub-Q Formulation

*Subject to regulatory approval. SMA=Spinal muscular atrophy; Sub-Q=Subcutaneous





Next Horizon Antimyostatin Program: Cardiometabolic Disorders



Obesity is Recognized as a Top Global Public Health Issue

Obesity is a

and costly

BY 2030, OBESITY WILL AFFECT: >1 BILLION >250 MILLION adults children and adolescents¹ common, serious, chronic disease affecting adults and children worldwide

Adult obesity associated with more than \$170 billion in excess costs annually in the U.S.²

In the US, 1 in 5 children and more than 1 in 3 adults are obese

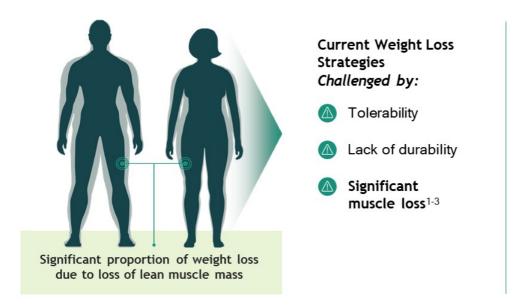
Obesity can increase the risk of comorbidities, such as some cancers, heart disease, and type 2 diabetes





Loss of Lean Muscle Significant with GLP-1 RA Therapy

Lean muscle is essential to healthy metabolic function



Recently approved GLP-1 RAs are highly effective in weight loss & experiencing rapid uptake

But 25%-40% of total body weight loss mediated by GLP-1 RA therapy may be attributed to loss of lean muscle mass^{2,3}

Preserving lean muscle mass is important to promote

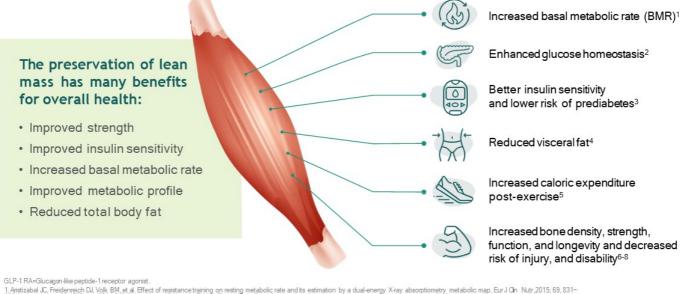
long-term metabolic benefits, sustainable weight management and health outcomes⁴⁻⁷

CLE-1 RA-Guicagonilike pepude-infeceptor agroups.
I. Muller TD, et al. Arti-obesity drug discovery: advances and challenges. Nature Reviews Drug Discovery 2022; 21, 201–223; 2. Wilding JPH, Batterham RL, Calanna S, et al. Once-Weekly Semaglutide in Adults with Overweight or Obesity. N Engl J Med. 2021;384(11):989-1002; 3. Jastreboff AM, et al Trizepatide Once Weekly for the Treatment of Obesity. NEJM 2022; 387 (3): 205-216; 4. Cava et al. Preserving healthy muscle during weight loss. Adv Nutr. 2017;8:511-19; 5. Lundgren JR et al. Head Wilding Maintenance with Exercise, Liraglutide or Both Combined. NEJM 2021;384:1719-30;
6. Beal JW et al. Dietary weight loss-induced improvements in metabolic function are enhanced by exercise in people with obesity and prediabetes. Nat Metab. 2022;5(7):121-123; 7. Dulloo AG, et al. How dieting makes some fatter: from a perspective of human body composition autoregulation. Proc Nutr Soc. 2012 Aug;71(3):379-89.



GLP-1 RA=Glucagon-like peptide-1 receptor agonists.

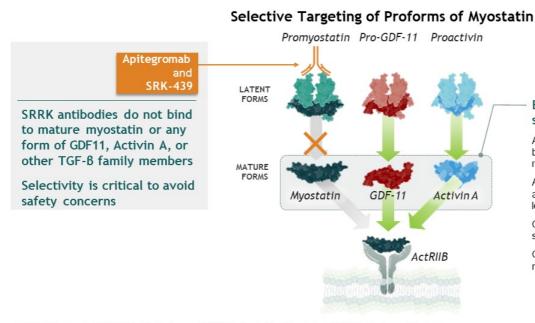
Maintaining Muscle is Important for Healthy Weight Loss



GLP-1 RA-Glucagon-like peptide-1 receptor agonist. 1. Aristizaba JC, Freiderneich DJ, Volk BM, et al. Effect of resistance training on resting metabolic rate and its estimation by a dual-energy. X-ray absorptiometry metabolic map. Eur J On. Nutr.2015; 69, 831– 836. https://doi.org/10.1038/ejon.2014.216; 2. Lindegaard B, Hansen T, Hvid T, et al. The effect of strength and endurance training on insulin sensitivity and faid distribution in human immunodeficiency virusinfected patients with lipodystophy. J On. Endocrinol Netab. 2008; 933; 8050–93. 3 Sinkanda AS. Relative muscle mass is inversely associated with insulin resistance and prediabetes. Findings from the third National Health and Nutrition Examination Survey. J On. Endocrinol Metab. 2011; 95(298)–903. doi: 10.1210/jc.2011-0435; 4. Wewege MA, Desai I, Honey C, et al. The effect of resistance training in healthy adults on Body fat percentage, fat mass and visceral fat: A systematic review and meta-analysis. Spotsh Med.2022; PGJ 00. doi: 10.1007/s40279-021-01562-25. Zulo, F. Larson, K, Bogardus, C, et al. Skeletal muscle metabolism is a major determinant of resting energy expenditure. J On Invest. 1990; 96(6), 1423-1427; 6. Fukushima Y, Kurose S, Shinno H, et al. Importance of learnuscle maintenance to improve insulin resistance by body weight reduction in finalle patients with ibody-401.47-1637; 7. Rol E, Chi KM. Health consequences of sarcopenic obesity: a narrative review. Front. Endocrinol. 2020;11:332; 8. Volpi E, Nazemi R, Fujita S. Muscle tissue changes with aging. Curr Opin On. Nutr Metab Care. 2004;7(4): 405-410.



Our Antibodies Selectively Inhibit Activation of Myostatin



Broad inhibition of ActRIIb signaling may be problematic:

ActRIIB knockout animals die shortly after birth with developmental defects in respiratory and cardiac organs¹

Activins are critical in reproductive biology, and inhibition was shown to reduce FSH levels in women²

GDF11 loss leads to embryonic lethality, skeletal and kidney formation defects³

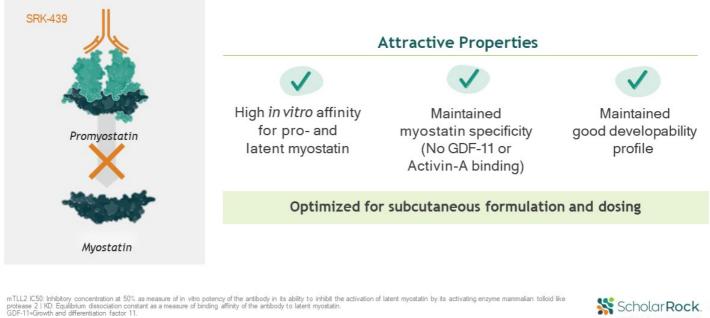
GDF11 signaling inhibition may have negative impacts on bone^{4, 5}

ActRIIB=Activin Receptor IIB; FSH=Follicle stimulating hormone; GDF-11=Growth and differentiation factor 11; TGF-8=Transforming growth factor-beta. 1. Oh SP & Li E. Genes Dev. 1997 Jul 15;11(14):1812-26;2. Garito T, et al. Clin Endocrinol (0xf). 2018 Jun;88(6):908-919;3. McPherron AC et al Nat Genet 1999, 22(3):260-264.; 4. Joonho Suha et al Proc Natl Acad Sci U S A. 2020 Mar 3;117(9):4910-4920; 5, Ravenscroft TA et al. Genet Med 2021 Oct;23 (10):1889-1900).



SRK-439: Novel Myostatin Inhibitor

Preclinical candidate in development with potential to address muscle loss associated with weight loss



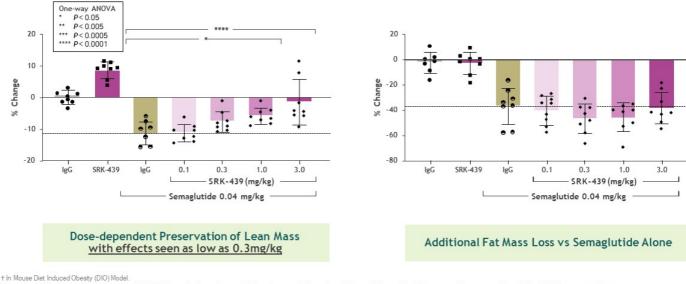


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SRK-439 Reversed Lean Mass Loss and Enhanced Fat Mass Loss Induced by Semaglutide Treatment[†]

% Change - Lean Mass (qNMR)





Representation of the induced obesity (DIO) Model. Figure showed the effects of increasing doses of SRK-439 in combination with semaglutide on lean mass (left panel) and fat mass (right panel) in DIO mouse model as measured by qNMR; statistical analysis was done using one-way ANOVA (Dunnet's multiple comparison test). ANOVA=Analysis of variance; [gG=Immunoglobulin G; qNMR=Quantitative nuclear magnetic resonance.

Opportunity for Safe, Durable Weight Loss: Add Highly Selective Antimyostatin to GLP-1 RA to Preserve Lean Muscle



Exquisite Selectivity

- · Only inhibits myostatin
- Avoids undesirable off-target . effects 1-3



Myostatin Inhibition

Preclinical models demonstrated: increased muscle mass

· Beneficial metabolic effects (insulin sensitivity, basal metabolic rate, reduction in fat mass)4

000 **4.1.1.1**.**1**

Lean Muscle Retention

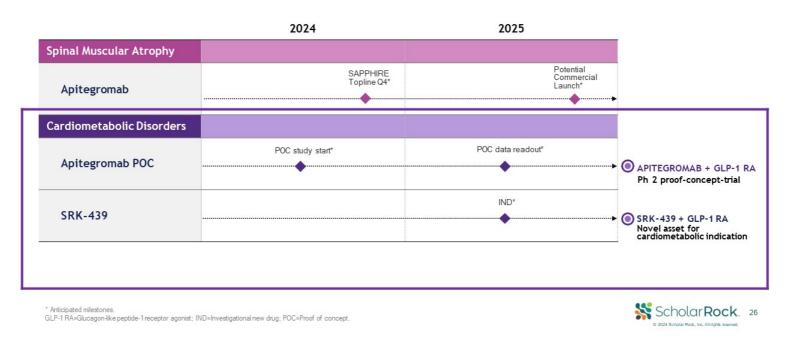
Inhibition of myostatin in combination with GLP-1 RA-driven weight loss may lead to retention of lean muscle mass and combat the counter-regulatory metabolic effects of weight loss

GLP-1 RA=Glucagon-like peptide-1 receptor agonist. 1. Piruccello-Straub M et al. Blocking extracellular activation of myostatin as a strategy for treating muscle wasting. Sci Reports 2017;8:2922; 2. Welsh BT et al. Preclinical safety assessment and toxicokinetics of apitegromab, an antibody targeting proforms of myostatin for the treatment of muscle-atrophying disease. Int J Tox 2021;40(4):322-336; 3. Barrett D et al. A randomized phase 1 safety, pharmacokinetic and pharmacodynamic study of a novel myostatin inhibitor apitegromab. (SRK-015): A potential treatment for spinal muscular atrophy. Adv Ther 2021;38:3203-3222. 4.Yang M et al. Myostatin: A potential therapeutic target for metabolic syndrome. Frontiers in Endocrinology 2023;14:1181913;



Expedite Cardiometabolic Program with Ph2 Proof-of-Concept Study of Apitegromab in Obesity

Creates additional anticipated milestones in next 18-24 months



Key Accomplishments and 2024 Strategic Priorities





SAPPHIRE Readout in Q4



Initiate Ph 2 POC trial with apitegromab in obesity



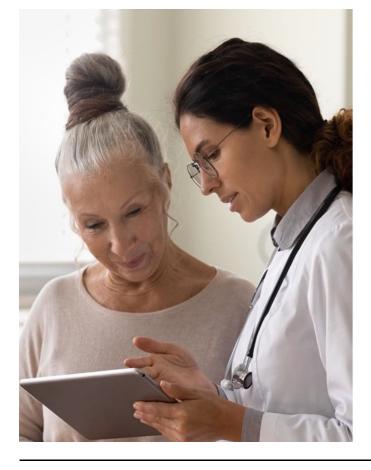
Prepare for commercialization



Advance IND-enabling studies for SRK-439



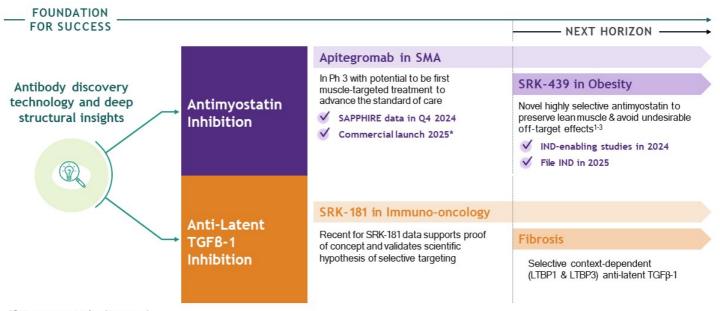
IND=Investigational new drug; POC=Proof of concept;



Appendix



Proven Expertise in Anti-Latent TFGB & Antimyostatin Inhibition



Contingent upon receipt of regulatory approval

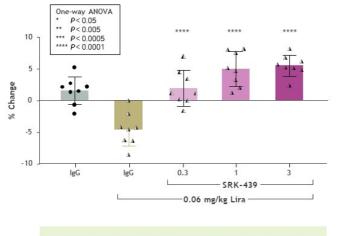
Contingent upon receipt or regulatory approval. IND=Investigational new drug: SMA=Spinal muscular atrophy; LTBP1=Latent transforming growth factor beta binding protein 3; TGFβ-1=Transforming growth factor beta-1. 1.Piruccello-Straub M et al. Blocking extracellular activation of myostatin as a strategy for treating muscle wasting. Sci Reports 2017;8:2922; 2. Welsh BT et al. Preclinical safety assessment and toxicochinetics of apitegromab, an antibody targeting proforms of myostatin for the treatment of muscle-atrophying disease. Int J Tox 2021;14(4):322-336; 3. Barrett D et al. A randomized phase 1 safety, pharmacokinetic and pharmacodynamic study of a novel myostatin inhibitor apitegromab (SRK-015): A potential treatment for spinal muscular atrophy. Adv Ther 2021;38:3203-3222.

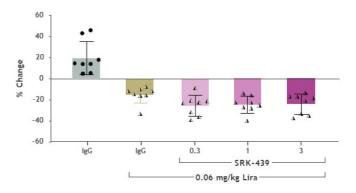


SRK-439 Maintained Lean Mass When Combined with GLP-1 RA Therapy[†]

% Change Lean Mass from Baseline (qNMR)

% Change Fat Mass from Baseline (qNMR)





Increased Lean Mass Gain vs GLP-1RA Alone

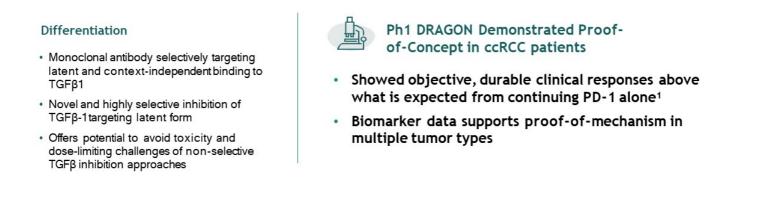
Improved Fat Mass Loss vs GLP-1 RA Alone

ANOVA=Analysis of variance; GLP-1 RA=Glucagon-like peptide-1receptor agonist; IgG=Immunoglobulin G; qNMR=Quantitative nuclear magnetic resonance.

Find the set of the



SRK-181: Targeting Latent TGFB1 to Overcome Immunotherapy Resistance



NEXT **STEPS**

Enrollment completed December 2023 Present ongoing emerging data at future medical meetings

Conduct an end of Phase 1 meeting with regulatory authorities to inform next steps

1. Sumanta Kumar Pal et al. Atezolizumab plus cabozantinib versus cabozantinib monotherapy for patients with renal cell carcinoma after progression with previous immune checkpoint inhibito treatment (CONTACT-03): a multicentre, randomised, open-label, phase 3 trial. The Lancet, Volume 402, Issue 10397, 2023, Pages 185-195, https://doi.org/10.1016/S0140-6736(23)0992-4 PD-I/PD-L1)



PD-1=Programmed cell death ligand 1; TGFβ=Transforming growth factor-beta; ccRCC=Clear cell renal cell carcinoma

Promising Anti-tumor Activity in Heavily Pretreated ccRCC Patients; Biomarker Data Supports Proof of Mechanism Across Multiple Tumor Types

CD8 Stain - Melanoma Continued Tolerability & Promising Anti-Tumor Activity in ccRCC Patients* Pre-Treatment Best Response in Target Lesions Change in Tumor Volume Over Time 100 80-60-40-100-80-Percent Change from Baseline Percent Change from Baseline 60 40 20-20 **** Post-Treatment -20 -20 -40 -60 -80 -40 Pt #5 -60 Pt #4 -80 Pt #2 -100 14 0 6 8 10 12 Months on SRK-181 + Pembrolizumab Treatment

ccRCC=Clear cell renal cell carcinoma Data cutoff August 29, 2023 *28 patients

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Scholar Rock Provides Corporate Update and Highlights Priorities for 2024

- Advancing industry-leading antimyostatin pipeline, comprised of multiple, novel assets with unparalleled selectivity, to treat spinal muscular atrophy (SMA) and cardiometabolic disorders

- Completed enrollment for apitegromab pivotal Phase 3 SAPPHIRE trial in patients with SMA; topline data anticipated in 4Q 2024

Apitegromab Phase 2 proof-of-concept trial in obesity expected to commence in mid-2024

- Presenting new preclinical data on SRK-439, a novel investigational myostatin inhibitor for the treatment of obesity, at Keystone Symposia in February

- Scholar Rock reports vear-end cash and cash equivalents of approximately \$280 million

- Presenting at the 42nd Annual J.P. Morgan Healthcare Conference on Tuesday, January 9, 2024 at 1:30 p.m. PT (4:30 p.m. ET)

CAMBRIDGE, Mass.--(BUSINESS WIRE)--January 4, 2024--Scholar Rock (NASDAQ: SRRK), a late-stage biopharmaceutical company focused on advancing innovative treatments for spinal muscular atrophy (SMA), cardiometabolic disorders, and other serious diseases where protein growth factors play a fundamental role, today provided recent corporate updates and highlighted upcoming priorities for 2024

"We were pleased with our progress in 2023 as we advanced our industry leading antimyostatin pipeline with apitegromab and SRK-439 and have great momentum heading into 2024. With enrollment completed for our Phase 3 SAPPHIRE trial for patients with spinal muscular atrophy, we expect topline data in Q4 this year," said Jay Backstrom, M.D., MPH, President and Chief Executive Officer of Scholar Rock. "Additionally, we are thrilled with the planned initiation in mid-2024 of an apitegromab Phase 2 proof-of-concept trial in patients with obesity and on GLP-1 therapies that aims to establish the importance of selective, safe myostatin inhibition to preserve lean muscle mass as part of healthy weight loss.

2024 Priorities:

SPINAL MUSCULAR ATROPHY

Apitegromab is an investigational, fully human monoclonal antibody that inhibits myostatin activation by selectively binding the pro- and latent forms of myostatin in skeletal muscle and is being developed as a potential first muscletargeted therapy for the treatment of SMA. Apitegromab is the only muscle-targeted therapy to show clinical proof-of-concept in SMA

- Planning to announce Phase 3 SAPPHIRE clinical trial topline data in 4Q 2024. SAPPHIRE is a randomized, double-blind, placebo-controlled clinical trial evaluating apitegromab in patients with nonambulatory Types 2 and 3 SMA on either nusinersen or risdiplam. If the trial is successful and apitegromab is approved, the Company expects to initiate a commercial product launch in 2025 Continue to progress the ONYX long-term extension study for patients from both the TOPAZ and SAPPHIRE studies.

CARDIOMETABOLIC DISORDERS

SRK-439 is a novel, preclinical, investigational myostatin inhibitor that has high in vitro affinity for pro- and latent myostatin and maintains myostatin specificity (i.e., no GDF11 or Activin-A binding), and is initially being developed for the treatment of obesity

- Initiating a Phase 2 proof-of-concept trial with apitegromab in combination with a GLP-1 receptor agonist (GLP-1 RA) in obesity in mid-2024. As part of the Company's strategy to advance the development of SRK-439, it plans to initiate a Phase 2 proof-of-concept trial with apitegromab in combination with a GLP-1 RA, subject to IND clearance. Data from the clinical trial are expected in mid-2025 and will be used to guide clinical development of SRK-439. The Company plans to file an IND for SRK-439 for the treatment of obesity in 2025.
- · Presenting preclinical SRK-439 data in a poster presentation at Keystone Symposia at the Obesity: Causes and Consequences meeting on February 5, 2024, in Vancouver, BC, Canada

2023 Highlights:

- Completed enrollment of apitegromab pivotal Phase 3 SAPPHIRE trial.
- Presented TOPAZ 36-month extension trial data at the Cure SMA Research & Clinical Care Meeting in June, and at the 28th Annual Congress of the World Muscle Society in October, which showed long-term substantial and sustained improvements in motor function and patient-reported outcome measures in patients with nonambulatory Types 2 and 3 SMA receiving survival motor neuron (SMN) therapy
- Initiated the ONYX trial, a long-term extension study for patients from both the TOPAZ and SAPPHIRE studies, which remains ongoing.
- Announced plans to expand into cardiometabolic disorders with SRK-439, starting with a Phase 2 proof-of-concept trial evaluating apitegromab in obesity to inform development of SRK-439.
- Presented SRK-181 Phase 1 DRAGON trial clinical and biomarker data at the SITC 38th Annual Meeting, which showed favorable tolerability and promising anti-tumor activity in heavily pretreated patients with clear cell renal . cell carcinoma (ccRCC) resistant to anti-PD-1. The Company believes these data support proof-of-concept and completed enrollment of the DRAGON trial in December. The Company will provide additional clinical data updates as they become available in 2024
- Completed an equity financing of \$98 million in October. As of December 31, 2023, Scholar Rock reported cash, cash equivalents, and marketable securities of approximately \$280 million, which is projected to fund the Company's operations into the second half of 2025.

"We are excited to enter 2024 with several important near-term milestones ahead of us. As the leader in selective myostatin inhibition, we believe we are well positioned to deliver significant value to patients living with spinal muscular atrophy and the millions of people suffering from the wide array of health challenges stemming from cardiometabolic and obesity disorders. We are highly encouraged by our potential to advance the standard of care where muscletargeted therapies can play a role in addressing unmet patient needs," said Ted Myles, Chief Operating Officer and Chief Financial Officer.

J.P. Morgan Healthcare Conference Presentation and Webcast

Scholar Rock management will highlight these updates in a corporate presentation at the 42nd Annual J.P. Morgan Healthcare Conference on Tuesday, January 9, 2024, at 1:30 p.m. ET). A live webcast of the presentation may be accessed by visiting the Investors & Media section of the Scholar Rock website at http://investors.scholarrock.com. An archived replay of the webcast will be available on the Company's website for approximately 90 days following the presentation.

About Scholar Rock

Scholar Rock is a biopharmaceutical company that discovers, develops, and delivers life-changing therapies for people with serious diseases that have high unmet need. As a global leader in the biology of the transforming growth factor beta (TGF\$) superfamily of cell proteins and named for the visual resemblance of a scholar rock to protein structures, the clinical-stage company is focused on advancing innovative treatments where protein growth factors are fundamental. Over the past decade, Scholar Rock has created a pipeline with the potential to advance the standard of care for neuromuscular disease, cardiometabolic disorders, cancer, and other conditions where growth factor-targeted drugs can play a transformational role

Scholar Rock is the only company to show clinical proof-of-concept for a muscle-targeted treatment in spinal muscular atrophy (SMA). This commitment to unlocking fundamentally different therapeutic approaches is powered by broad application of a proprietary platform, which has developed novel monoclonal antibodies to modulate protein growth factors with extraordinary selectivity. By harnessing cutting-edge science in disease spaces under-addressed through traditional therapies, Scholar Rock works every day to create new possibilities for patients. Learn more about our approach at ScholarRock.com and follow @ScholarRock and on LinkedIn. e spaces that are historically

Availability of Other Information About Scholar Rock

Investors and others should note that we communicate with our investors and the public using our company website www.scholarrock.com, including, but not limited to, company disclosures, investor presentations and FAQs, Securities and Exchange Commission filings, press releases, public conference call transcripts and webcast transcripts, as well as on Twitter and LinkedIn. The information that we post on our website or on Twitter or LinkedIn could be deemed to be material information. As a result, we encourage investors, the media and others interested to review the information that we post there on a regular basis. The contents of our website or social media shall not be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended.

Scholar Rock® is a registered trademark of Scholar Rock, Inc.

Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, including, but not limited to, statements regarding Scholar Rock's future expectations, plans and projects, including without limitation, Scholar Rock's expectations regarding its growth, strategy, progress, results and timing of its clinical trials for apitegromab and SRK-181 and its preclinical programs, including SRK-439, regulatory feedback including with respect to the IND submitted in connection with the planned Phase 2 trial of SRK-439 in combination with GLP-1 RAs in obesity, and indication selection and development timing, including the therapeutic potential, clinical benefits and safety thereof, expectations regarding timing, success and data announcements of current ongoing preclinical and clinical trials, its expected cash and cash equivalents as of December 31, 2023 and cash runway, expectations regarding the achievement of important milestones, the ability of any product candidate to perform in humans in a manner consistent with earlier nonclinical, preclinical or clinical trial data, and the potential of its product candidates and proprietary platform. The use of words such as "may," "might," "could," "will," "should," "expect," "plan," "anticipate," "believe," "estimate," "project," "intend," "future," "potential," or "continue," and other similar expressions are intended to identify such forward-looking statements. All such forward-looking statements are based on management's current expectations of future events and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements. These risks and uncertainties include, without limitation, that preclinical and clinical data, including the results from the Phase 2 clinical trial of apitegromab, or Part A or Part B of the Phase 1 clinical trial of SRK-181, are not predictive of, may be inconsistent with, or more favorable than, data generated from future or ongoing clinical trials of the same product candidates, including, without limitation, the Phase 3 clinical trial of apitegromab in SMA or Part B of the Phase 1 clinical trial of SRK-181; Scholar Rock's ability to provide the financial support, resources and expertise necessary to identify and develop product candidates on their expected timelines; the data generated from Scholar Rock's nonclinical and preclinical studies and clinical trials; information provided or decisions made by regulatory authorities; competition from third parties that are developing products for similar uses; Scholar Rock's ability to obtain, maintain and protect its intellectual property; Scholar Rock's dependence on third parties for development and manufacture of product candidates including, without limitation, to supply any clinical trials; Scholar Rock's ability to manage expenses and to obtain additional funding when needed to support its business activities and establish and maintain strategic business alliances and new business initiatives, and the impacts of public health pandemics such as COVID-19 on business operations and expectations, as well as those risks more fully discussed in the section entitled "Risk Factors" in Scholar Rock's Quarterly Report on Form 10-Q for the quarter ended September 30, 2023, as well as discussions of potential risks, uncertainties, and other important factors in Scholar Rock's subsequent filings with the Securities and Exchange Commission. Any forward-looking statements represent Scholar Rock's views only as of today and should not be relied upon as representing its views as of any subsequent date. All information in this press release is as of the date of the release, and Scholar Rock undertakes no duty to update this information unless required by law.

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