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): June 3, 2024

Scholar Rock Holding Corporation

(Exact Name of Registrant as Specified in Charter)

001-38501

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

Delaware (State or Other Jurisdiction of Incorporation)

(Commission File 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	Nasdag 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 \Box

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 7.01. Regulation FD Disclosure.

On June 3, 2024, Scholar Rock Holding Corporation (the "Company") presented new data from its Phase 1 DRAGON proof-of-concept trial of SRK-181 in combination with pembrolizumab in patients with advanced solid tumors in an oral presentation during the American Society of Clinical Oncology (ASCO) 2024 Annual Meeting.

A copy of the press release relating to the ASCO presentation is attached hereto as Exhibit 99.1 and a copy of the ASCO presentation slides are attached hereto as Exhibit 99.2.

On June 4, 2024, the Company will host a conference call at 8:00 am ET to discuss the new data from its Phase 1 DRAGON proof-of-concept trial of SRK-181 in combination with pembrolizumab in patients with advanced solid tumors. The audio of the conference call can be accessed by registering in advance at the following link: https://register.vevent.com/register/Blca0060fe5773407b3fc21ce38d84a63 and a recording of the call and related presentation may be accessed by visiting the Investors & Media section of the Company's website at http://investors.scholarrock.com.

The information in this report furnished pursuant to Item 7.01 and Exhibits 99.1 and 99.2 shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section nor shall such information be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, regardless of the general incorporation language of such filing, except as shall be expressly set forth by specific reference in such filing. It may only be incorporated by reference in another filing under the Exchange Act or 1933, as amended, if such subsequent filing specifically references the information furnished pursuant to Item 7.01 and Exhibits 99.1 and 99.2 of this report.

Item 8.01. Other Events.

On June 3, 2024, the Company presented new data from its Phase 1 DRAGON proof-of-concept trial of SRK-181 in combination with pembrolizumab in patients with advanced solid tumors which included the following:

Safety data from all cohorts in the dose expansion phase (Part B; n=78 patients; 1500 mg q3w) continued to show SRK-181 was generally well tolerated when used in combination with pembrolizumab. One Grade 4 treatment-related adverse event (AE) of generalized dermatitis exfoliative was observed in one patient. No Grade 5 treatment-related AEs occurred. The only treatment-related serious adverse event related to SRK-181 or pembrolizumab that occurred in at least 2% of patients was pemphigoid. The most common AEs were rash, pruritis, fatigue, and diarrhea.

Encouraging responses were observed in multiple tumor types, continuing to support proof-of-concept for SRK-181. The response was assessed by principal investigators based on RECIST 1.1 for patients across five cohorts: clear cell renal cell carcinoma (ccRCC), head and neck squamous cell carcinoma (HNSCC), melanoma (MEL), urothelial carcinoma (UC), and non-small cell lung cancer (NSCLC). A summary of anti-tumor activity is presented in the table below; results for NSCLC (n=11) are not included because no response was observed.

	ccRCC (n=30)	HNSCC (n=11)	MEL (n=11)	UC (n=11)
Objective response rate (ORR)	7 (23.3%)	2 (18.2%)	3 (27.3%)	1 (9.1%)
Durability of response (DoR); median (range), months	7.7+ (2.5+, 20.9+)	2.2+ (0.1, 4.3+)	4.9 (1.8, 7.1)	12.9 (12.9, 12.9)

Summary of Response Rate in Multiple Tumor Types

Tumor infiltration by CD8+ T-cells was measured in multiple tumor types for which paired biopsy samples (i.e., samples before and after treatment for individual patients) were available. The analysis included patients with ccRCC, melanoma, non-small cell lung cancer (NSCLC), head and neck squamous cell carcinoma (HNSCC) or urothelial carcinoma (UC). In 6 out of 9 paired biopsies analyzed, the combination of SRK-181 and pembrolizumab was associated with an enhanced proinflammatory microenvironment, with activated CD8+ T-cells in responding patients across multiple cohorts and the number of activated T-cells correlating with tumor shrinkage.

Notably, the baseline immune contexture unique to ccRCC amongst the cohorts examined has been identified, predictive of clinical response.

An analysis in ccRCC patients showed a positive correlation between baseline CD8+ infiltration status and response rate, with an increase in ORR from 23.3 to 40%, and an improvement in median durability of response (mDoR) from 7.7 to 9.3 months if enrollment had been limited to patients whose tumors were infiltrated by CD8+ T-cells at baseline.

In addition, an independent analysis showed a positive correlation between elevated regulatory T-cell (Treg) levels in ccRCC patients pre-treatment and response rate, with an increase in ORR from 23.3 to 50% and improvement in mDoR from 7.7 to 9.8 months if enrollment had been limited to patients whose tumors had elevated Treg levels at baseline. Together, these results suggest that baseline CD8+ status and Treg levels should be further investigated as a potential future patient selection strategy, aimed to predict ccRCC patients who are likely to respond to SRK-181 and anti-PD-(L)1 combination therapy.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

90.1 Press Balasse issued by the Company on June 3, 2024, furnished hereto	Exhibit No.	Description
77.1 <u>Tress release issued by the company off Julie 5, 2024, Julifished fieldo.</u>	99.1	Press Release issued by the Company on June 3, 2024, furnished hereto.

 99.2
 Presentation Slides, furnished 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: June 3, 2024

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

Scholar Rock Presents New Data from SRK-181 Phase 1 DRAGON Trial at ASCO 2024 Annual Meeting

- Promising objective response rates (ORR) were observed in multiple tumor types in anti-PD-(L)1 resistant patients
- Analysis of baseline biomarker data in clear cell renal cell carcinoma (ccRCC) patients reveals a doubling of the ORR highlighting a potential patient selection strategy
- SRK-181 combination with pembrolizumab was generally well tolerated
- Company holding conference call to discuss data with Dr. Toni Choueiri on Tuesday, June 4th at 7 a.m. CDT/8 a.m. EST

CAMBRIDGE, Mass.—June 3, 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 announced encouraging data from its Phase 1 DRAGON proof-of-concept trial of SRK-181, a selective inhibitor of latent TGFβ1 activation, in combination with pembrolizumab in patients with advanced solid tumors. The results show encouraging responses in heavily pretreated and anti-PD-(L)1 resistant patients across multiple tumor types. Data were shared in an oral presentation during the American Society of Clinical Oncology (ASCO) Annual Meeting on June 3 in Chicago.

"These new data from our SRK-181 program show promising response to treatment with SRK-181 across multiple tumor types and represent further evidence of the value of our highly selective TGF β platform," said Jay Backstrom, M.D., MPH, President and Chief Executive Officer of Scholar Rock. "The anti-tumor activity we observed in heavily pretreated cancer patients, most notably in ccRCC and melanoma gives us confidence that SRK-181 could be part of a treatment strategy to overcome immune checkpoint inhibitor-associated resistance. In addition, our new finding that baseline CD8+ infiltration status and elevated baseline regulatory T-cell levels in ccRCC correspond with the twofold increase in response rate has the potential to inform a patient selection strategy. We are very encouraged by these new data and are committed to engaging with the FDA in an end of Phase 1 meeting, while also continuing to evaluate opportunities to partner this important program."

Safety data continued to show SRK-181 was generally well tolerated

Safety data from all cohorts in the dose expansion phase (Part B; n=78 patients; 1500 mg q3w) continued to show SRK-181 was generally well tolerated when used in combination with pembrolizumab. One Grade 4 treatment-related adverse event (AE) of generalized dermatitis exfoliative was observed in one patient. No Grade 5 treatment-related AEs occurred. The only treatment-related serious adverse event related to SRK-181 or pembrolizumab that occurred in at least 2% of patients was pemphigoid. The most common AEs were rash, pruritis, fatigue, and diarrhea.

Data presented continues to provide objective evidence of anti-tumor activity

Encouraging responses were observed in multiple tumor types, continuing to support proof-of-concept for SRK-181. The response was assessed by principal investigators based on RECIST 1.1 for patients across five cohorts: clear cell renal cell carcinoma (ccRCC), head and neck squamous cell carcinoma (HNSCC), melanoma (MEL), urothelial carcinoma (UC), and non-small cell lung cancer (NSCLC). A summary of anti-tumor activity is presented in the table below; results for NSCLC (n=11) are not included because no response was observed.

Summary of Response Rate in Multiple Tumor Types

	ccRCC (n=30)	HNSCC (n=11)	MEL (n=11)	UC (n=11)
Objective response rate (ORR)	7 (23.3%)	2 (18.2%)	3 (27.3%)	1 (9.1%)
Durability of response (DoR); median (range), months	7.7+ (2.5+, 20.9+)	2.2+ (0.1, 4.3+)	4.9 (1.8, 7.1)	12.9 (12.9, 12.9)

Biomarker findings continue to support proof of mechanism

Tumor infiltration by CD8+ T-cells was measured in multiple tumor types for which paired biopsy samples (i.e., samples before and after treatment for individual patients) were available. The analysis included patients with ccRCC, melanoma, non-small cell lung cancer (NSCLC), head and neck squamous cell carcinoma (HNSCC) or urothelial carcinoma (UC). In 6 out of 9 paired biopsies analyzed, the combination of SRK-181 and pembrolizumab was associated with an enhanced proinflammatory microenvironment, with activated CD8+ T-cells in responding patients across multiple cohorts and the number of activated T-cells correlating with unor shrinkage.

New biomarker findings in ccRCC could inform patient selection strategy

Notably, the baseline immune contexture unique to ccRCC amongst the cohorts examined has been identified, predictive of clinical response.

An analysis in ccRCC patients showed a positive correlation between baseline CD8+ infiltration status and response rate, with an increase in ORR from 23.3 to 40%, and an improvement in median durability of response (mDoR) from 7.7 to 9.3 months if enrollment had been limited to patients whose tumors were infiltrated by CD8+ T-cells at baseline.

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The presentation is available in the Publications & Posters section of Scholar Rock's website. For conference information, visit https://conferences.asco.org/_

Conference Call Information

Scholar Rock will host a conference call on June 4 at 8 a.m. EST that can be accessed from Events and Presentations page of Scholar Rock's website. Members of Scholar Rock's executive management team will be joined by Dr. Toni Choueiri, M.D., Director of the Lank Center for Genitourinary (GU) Oncology at Dana-Farber Cancer Institute (DFCI). The audio of the conference call can be accessed by registering in advance at the following link: https://register.vevent.com/register/Blca0060fe57734207b3fc21ce38484a63

About SRK-181

SRK-181 is a selective inhibitor of TGF β 1 activation being developed to overcome primary resistance to checkpoint inhibitor therapy, such as anti-PD-(L)1 antibodies, in advanced cancer. TGF β 1 is the predominant TGF β isoform expressed in many human tumor types. Based on analyses of various human tumors that are resistant to anti-PD-(L)1 therapy, data suggest that TGF β 1 is a key contributor to the immunosuppressive tumor microenvironment, excluding and preventing entry of cytotoxic T cells into the tumor, as well as suppressing T cell activity, thereby inhibiting anti-tumor immunity.

SRK-181 specifically targets the latent TGFβ1 isoform in a context-independent manner, designed to enable complete inhibition of TGFβ1 in all compartments within the tumor microenvironment. Scholar Rock believes that SRK-181 has the potential to overcome this immunosuppressive tumor microenvironment and induce tumor regression when administered in combination with anti-PD-(L)1 therapy while potentially avoiding toxicities associated with non-selective TGFβ inhibition. Enrollment of the DRAGON Phase 1 proof-of-concept clinical trial (NCT04291079) was completed in December 2023, and patients who remain on the study continue to be treated. The trial enrolled patients in multiple proof of concept clonoret cohorts conducted in parallel, including urothelial carcinoma (UC), cutaneous melanoma (MEL), non-small cell lung cancer (NSCLC), head and neck squamous cell carcinoma (HNSCC), and clear cell renal cell carcinoma (ceRCC). SRK-181 is an investigational product candidate and its efficacy and safety have not be en established. SRK-181 has not been approved for any use by the FDA or any other regulatory agency.

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 ($TGF\beta$) 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 that are historically 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.

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 prospects, including without limitation, Scholar Rock's expectations regarding its growth, strategy, progress and timing of its clinical trials for SRK-181, 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 clinical trials, 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 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; 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; Scholar Rock's dependence on third parties for development and manufacture of product candidates including, without limitation, to supply any clinical trials; and 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; 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 March 31, 2024, 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.

Scholar Rock:

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Phase 1 study (DRAGON) of SRK-181 (linavonkibart), a latent TGFβ1 inhibitor, combined with pembrolizumab in anti-PD1 resistant patients with advanced solid tumors: Updated results of expansion phase

Ulka Vaishampayan¹, Randy F. Sweis², Deepak Kilari³, Ahmad Tarhini⁴, Justin F. Gainor⁵, Minal Barve⁶, Guru Sonpavde⁷, Meredith Mckean⁸, David Park⁹, Sunil Babu¹⁰, Yawen Ju¹¹, Lan Liu¹¹, Susan Henry¹¹, Lu Gan¹¹, Timothy A. Yap¹²

¹University of Michigan, Ann Arbor, MI; ²University of Chicago, Chicago, IL; ³Medical College of Wisconsin, Milwaukee, WI; ⁴Moffitt Cancer Center Magnolia Campus, Tampa, FL; ⁵Massachusetts General Hospital Harvard Medical School, Boston, MA; ⁶Mary Crowley Cancer Research, Dallas, TX; ⁷AdventHealth Medical Group, Orlando, FL; ⁸Sarah Cannon Research Institute, Nashville, TN; ⁹St Jude Crosson Cancer Institute/Providence Medical Foundation, Fullerton, CA; ¹⁰Fort Wayne Medical Oncology and Hematology, Fort Wayne, IN; ¹¹Scholar Rock, Inc., Cambridge, MA; ¹²The University of Texas MD Anderson Cancer Center, Houston, TX



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Mechanism of Action SRK-181, a Selective Anti-TGFβ1 Antibody, Overcomes CPIs Resistance



Phase 1 Clinical Trial Overview



*Cohort Any Other was terminated early and HNSCC was added.

ADA, anti drug antibody; BOR, best overall response; ccRCC, clear cell renal cell carcinoma; DCR, disease control rate; DoR, duration of response; ECOG, eastern cooperative oncology group; HNSCC, head and neck squamous cell carcinoma; MEL, melanoma; NSCLC, non-small cell lung cancer; ORR, objective response rate; OS, overall survival; PD, progressive disease; PD-1, programmed cell death protein 1; PD-L1, programmed cell death ligand 1; PD-(L)1, PD-(1/PD-L1; PFS, progression-free survival; PK, Pharmacokinetic; q2w, every 2 weeks; q3w, every 3 weeks; RECIST, response evaluation criteria in solid tumors; UC, urothelial carcinoma.



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Preliminary Safety and Efficacy

Phase 1 Dose Escalation Phase



Patient Demographics and Disposition

Phase 1 Dose Expansion Phase

Category	All#	Category	All	
Ν	78	Enrolled	78	
Age, median (range)	65y (32-81y)	On Study, n (%)	10 (12.8)	
Gender, M, n (%)	56 (71.8)	Stopped Treatment, n (%)	68 (87.2)	
Prior Lines of Therapy, median (range)	3 (1-9)			
Number of Lines of Prior Anti-PD-(L)1, n (%) 1 2 3 4	48 (61.5) 23 (29.5) 6 (7.7) 1 (1.3)	Reason for Completion/Discontinuation, n (%) Disease Progression Based on RECIST 1.1 Clinical Progression Adverse Event ^{&} Investigator Decision Withdrawal of Consent	40 (51.3) 6 (7.7) 17 (21.8) 1 (1.3) 4 (5.1)	
Best Response to Prior Anti-PD-(L)1, n (%)		Withdrawar of Consent	4 (5.1)	
Partial Response Stable Disease Progressive Disease	1 (1.3)^ 40 (51.3) 37 (47.4)	⁸ 10 patients (12.8%) discontinued from the study due to treatment-related AEs: rash macu popular and pneumonitis (2 patients), bullous pemphigoid, colitis, erythroderma, generaliz erythematous rash, invasive squamous cell carcinoma, mucositis oral (1 patient each).		
Disease Progressed from the Last Prior Anti-PD-1, n (%)	76 (97.4)*			

#Includes patients of 30 ccRCC, 11 HNSCC, 11 MEL, 11 UC, 11 NSCLC and 4 Any Other Cohorts.

*1 HNSCC patient had best response of PR to prior anti-PD-(L)1.
*2 MEL patients discontinued the last prior anti-PD-(L)1 due to other reason instead of disease progression.

AE, adverse event; ccRCC, clear cell renal cell carcinoma; HNSCC, head and neck squamous cell carcinoma; MEL, melanoma; NSCLC, non-small cell lung cancer; PD-1, programmed cell death protein 1; PD-L1, programmed cell death ligand 1; PD-(L)1, PD-1/PD-L1; RECIST, response evaluation criteria in solid tumors; UC, urothelial carcinoma.



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Manageable Safety Profile Phase 1 Dose Expansion Phase

Treatment-Emergent AEs Related to SRK-181 or Anti-PD(L)1

Adverse Event	All Grades (>5%) N=78	≥Grade 3 N= 78
Rash [#]	25 (32.1%)*	10 (12.8%)*
Pruritus	20 (25.6%)*	1 (1.3%)*
Fatigue	16 (20.5%)	1 (1.3%)
Diarrhoea	11 (14.1%)	0 (0%)
Nausea	5 (6.4%)	1 (1.3%)
ALT increased	4 (5.1%)	2 (2.6%)
AST increased	4 (5.1%)	1 (1.3%)
Arthralgia	4 (5.1%)	0 (0%)
Vomiting	4 (5.1%)	0 (0%)

- There was 1 treatment-related Grade 4 AE . (Dermatitis exfoliative generalised)
- · There was no treatment-related Grade 5 AE
- Treatment-related SAE >2% (2 patients) were Pemphigoid (irAE)

#Rash includes rash, rash macular, rash maculo-papular, rash erythematous, and rash pruritic. *Treatment-related irAE.

AE, adverse event; ALT, alanine aminotransferase; AST, aspa PD-(L)1, PD-1/PD-L1; SAE, serious adverse event rtate aminotransferase; irAE, immune-related adverse event; PD-1, programmed cell death protein 1; PD-L1, programmed cell death ligand 1;



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Efficacy in Cohort MEL Clinical Responses in Anti-PD-1 Non-responders





Efficacy	Intent To Treat N=11	
ORR	3 (27.3%)	
Confirmed CR	1 (9.1%)	
Confirmed PR	1 (9.1%)	
mDoR (Months)	4.9 (1.8, 7.1)	
DCR	8 (72.7%)	

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•	Me	edian lines of prior cancer therapy: 3 (range 1 – 7)
	>	All have SD or PD as BOR to the last prior anti-PD-1
	×	9 (82%) had PD from the last prior anti-PD-1

9 (82%) had PD from the last prior anti-PD-1



BOR, best overall response; CR, complete response; DCR, disease control rate; mDoR, me rate; PD, progressive disease; PD-1, programmed cell death protein 1; PR, partial response duration of response; MEL, melanoma; ORR, objective response



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Efficacy in Cohort UC Clinical Responses in Anti-PD-1 Non-responders



2024 ASCO ANNULAL MEETING #ASCO24

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Efficacy in Cohort HNSCC Clinical Responses in Heavily Pre-treated and Anti-PD-1 Resistant Patients



Efficacy in Cohort ccRCC Clinical Responses in Heavily Pre-treated and Anti-PD-1 Resistant Patients



Proof of Mechanism SRK-181 and Pembrolizumab Treatment Creates a Proinflammatory Microenvironment

- · SRK-181 and pembrolizumab increase CD8+ T-cells infiltration into tumors across multiple tumor types
- · CD8+ T-cell were activated (CD8+GrmB+) in responding patients across multiple cohorts
- The number of CD8+GrmB+ cells correlates with tumor shrinkage



Biomarker Data May Inform Patient Selection Strategy

Baseline CD8+ T-cell Infiltration Status and Baseline Treg Levels Suggest a Higher Chance of Clinical Response



Summary





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Conclusion

- Anti-tumor activity in anti-PD1 resistant patients across multiple cancer types establishes proof-of-concept for SRK-181, a selective latent TGFβ1 inhibitor
- Biomarker results establish proof of mechanism and inform potential patient selection strategy in ccRCC
- · These data warrant further investigation of SRK-181



THANK YOU FOR YOUR ATTENTION

The authors thank the participating patients, their families, the study centers, and investigators for their contributions to the study. This study was sponsored by Scholar Rock.



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