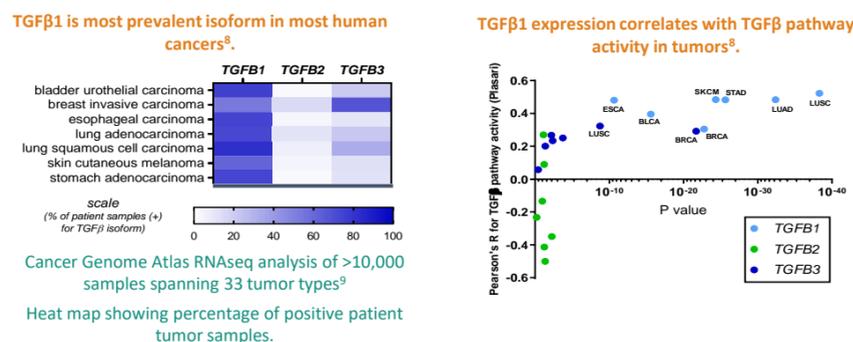


## Introduction

- Nearly 80% of patients do not respond to Checkpoint Inhibitor (CPI) therapies<sup>1</sup>
- The transforming growth factor beta (TGFβ) family includes three isoforms (TGFβ1, TGFβ2, and TGFβ3)<sup>2</sup>
- Human data implicate TGFβ1 as a key driver of immune exclusion and primary resistance to CPIs<sup>3,4</sup>
- Nonselective inhibition of TGFβ signaling has been associated with dose-limiting toxicities, particularly cardiac toxicity<sup>5,6,7</sup>

**Figure 1: Implicating TGFβ1 Isoform as Resistance Culprit in Human Tumors**



## SRK-181<sup>8</sup>

- Fully human monoclonal antibody
- Potent and selective inhibitor of latent TGFβ1 activation offers potential to overcome toxicity and dose-limiting challenges of non-selective TGFβ pathway approaches.
  - Binds latent TGFβ1 with picomolar affinity
  - Binds all TGFβ1 large latent complexes
  - Minimal or no binding to latent TGFβ2 and TGFβ3 isoforms or to active TGFβ growth factors
  - No cardiotoxicities (valvulopathy) were noted with SRK-181 in 4-week GLP nonclinical toxicology studies

## Study Objectives (Part A)

### Primary Objectives

- Evaluate the safety and tolerability
- Determine the maximum tolerated dose (MTD) or maximum administered dose (MAD), and the recommended Phase 2 dose (RP2D) and evaluate DLTs

### Secondary Objectives

- Evaluate the PK and anti drug antibody (ADA)

### Exploratory Objectives

- Evaluate anti-tumor activity
- Evaluate biomarkers

## Study Objectives (Part B)

### Primary Objectives

- Evaluate the safety and tolerability.

### Secondary Objectives

- Evaluate the anti-tumor activity.
- Evaluate the PK and ADA.

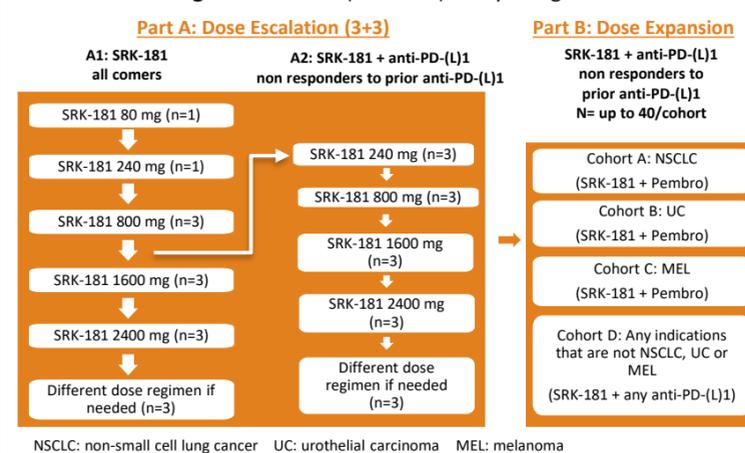
### Exploratory Objectives

- Evaluate biomarkers

## Assessment

- Safety endpoints include AEs, clinical observations (e.g., vital signs, physical examination), laboratory tests, ECGs, and echo.
  - Dose-limiting toxicities (DLTs) evaluation period is 21 days
- Response will be assessed using RECIST v1.1 by PI and by independent central review

**Figure 4: Phase 1 (DRAGON) Study Design**



## Inclusion

- Be age ≥ 18 years, with a predicted life expectancy of ≥ 3 months
- Measurable disease per RECIST v1.1 as assessed at Screening
- ECOG performance status 0-1
- Part B only: Patient must have received their most recent dose of anti-PD-(L)1 antibody therapy within 6 months of enrollment

## Exclusion

- Concurrent anticancer treatment
- History of active metastatic CNS disease
- An active or prior history of autoimmune disease

## Study Design

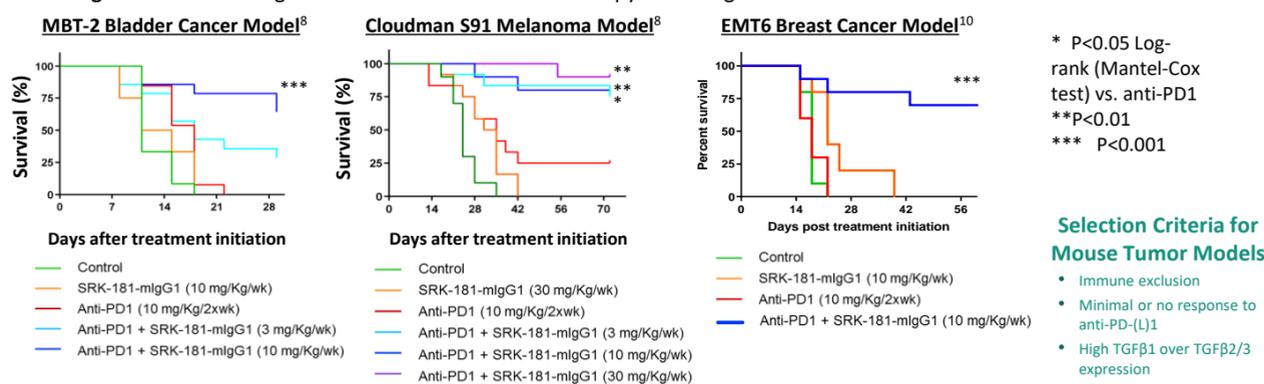
- The Dragon trial is a multi-center, open-label, Phase 1, first-in-human (FIH), dose-escalation, and dose expansion study
- The study is divided into 3 parts:
  - Part A1: single agent dose escalation in patients with advanced solid tumors and have failed available standard of care (SOC) treatment
  - Part A2: combination dose escalation of SRK-181 + an anti-PD-(L)1 in patients who did not respond to prior CPI treatment (defined as best response on prior CPI treatment is progressive disease or stable disease after at least 3 cycles of treatment)
  - Part B: dose expansion of SRK-181 + an anti-PD-(L)1 in patients who did not respond to prior CPI treatment. Indications include NSCLC, UC, MEL or other advanced solid tumors
- Administration by IV infusion: SRK-181 every 3 weeks (q3w) alone or with an anti-PD-(L)1
  - Additional dose regimen may be explored pending emerging data

**Figure 5: Overview of Biomarker Evaluation to Complement Clinical Investigation**

Tumor-based biomarkers		
<b>1. Immunophenotyping</b> Assessment of the tumor immune landscape	<b>2. TGFβ signaling pathway</b> Assessment of TGFβ1 signaling pathway	<b>3. Multiple pathways</b> Assessment of biologically related pathways
<ul style="list-style-type: none"> <li>PD → measurement of SRK-181 to convert tumors 'hot'</li> <li>Predictive → identify hot, cold or immune excluded at baseline to predict response</li> </ul>	<ul style="list-style-type: none"> <li>PD → measurement of SRK-181 to modulate TGFβ pathway activation</li> <li>Predictive → identify target/pathway prevalence to predict response</li> </ul>	<ul style="list-style-type: none"> <li>PD → measurement of SRK-181 to modulate multiple biomarkers simultaneously</li> <li>Predictive → identify combination of biomarkers to predict response</li> </ul>
Ex. CD8 (cytotoxic T cells), PD-L1	Ex. P-Smad2 (TGFβ signaling)	Ex. blood-based biomarkers, tumor-based multiplex IHC, NGS

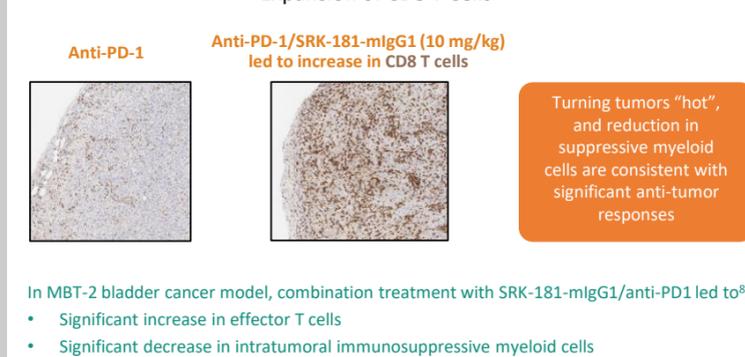
Biomarker evaluation to characterize mechanistic effects upon treatments and to retrospectively assess for potential predictive markers to inform future development

**Figure 2: SRK-181-mIgG1 Combined with Anti-PD1 Therapy Led to Significant Survival Benefit in Preclinical Tumor Models**



Preclinical Tumor Models Represent Clinically Relevant Features

**Figure 3: SRK-181-mIgG1 Combination Therapy Enabled Infiltration and Expansion of CD8 T Cells**



## References

- Carretero-González A, Lora D, Ghanem I, et al. *Oncotarget*. 2018;9:8706-8715.
- Derynck R, Budi EH (2019). *Sci Signaling* 12(570): eaav5183.
- Mariathasan S, Turley SJ, Nickles D, et al. *Nature*. 2018;554:544-548.
- Hugo W, Zaretsky JM, Sun L, et al. *Cell*. 2017;168:542.
- Anderton MJ, Mellor HR, Bell A, et al. *Tox Pathol*. 2011;39:916.
- Stauber AJ, Credille KM, Truex LL, et al. *J Clin Pract*. 2014;4:3
- Mitra MS, Lancaster K, Adedeji AO, et al. *Toxicol Sci*. 2020;175(1):24.
- Martin CJ, Datta A, Littlefield C, et al. *Sci Transl Med*. 2020;12:eaay8456.
- National Cancer Institute. The Cancer Genome Atlas. Available: <https://www.cancer.gov>.
- Data on file. Scholar Rock.

**Disclaimer:** SRK-181 is an investigational drug candidate that is currently being evaluated in a Phase 1 clinical trial. The safety and efficacy of SRK-181 have not been established. SRK-181 has not been approved by the U.S. Food and Drug Administration or any other health authority for any indication. The safety and efficacy of SRK-181 have not been established.