



# Tumor Activated Cancer Therapeutics

Restoring anti-tumor immune responses to treat cancer patients

August 2024



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# Janux – multiple near-term high value opportunities in CD3 TCE targets

## Clinical Pipeline

- PSMAxCD3-TRACTr to treat mCRPC illustrating a potential best-in-class profile
  - Promising efficacy with favorable safety profile and no CRS > Grade 2 observed
  - Deepening PSA and RECIST responses with increased dose levels
- EGFRxCD3-TRACTr providing entry point into multiple large indications
  - Deep RECIST response observed in a subject with NSCLC at 0.15mg QW with promising safety profile
    - Early evidence of durable response coupled with no TRAEs or CRS

## Technology Platform

- Emerging clinical efficacy and safety data supports applications to additional TCE targets
  - Facilitates development of a highly valuable pipeline and positions Janux to be at the forefront of TCE drug development

## Cash Position

- Robust cash position of ~\$646M\* as of June 30, 2024

*\*includes cash and cash equivalents and short-term investments*

# T-cell engagers – a strategy for creating potent anti-tumor immune responses

*Solid tumor treatments have been hindered by safety and PK challenges*

## Limitations of conventional TCEs

**Conventional TCEs are not tumor specific and bind to all tissues expressing target**

- Healthy tissue activity worsens CRS and leads to healthy tissue toxicities
- Multiple third-party clinical programs terminated due to safety/efficacy

## Janux solution – tumor activated TCEs

**Masks designed to prevent target and/or T-cell binding**

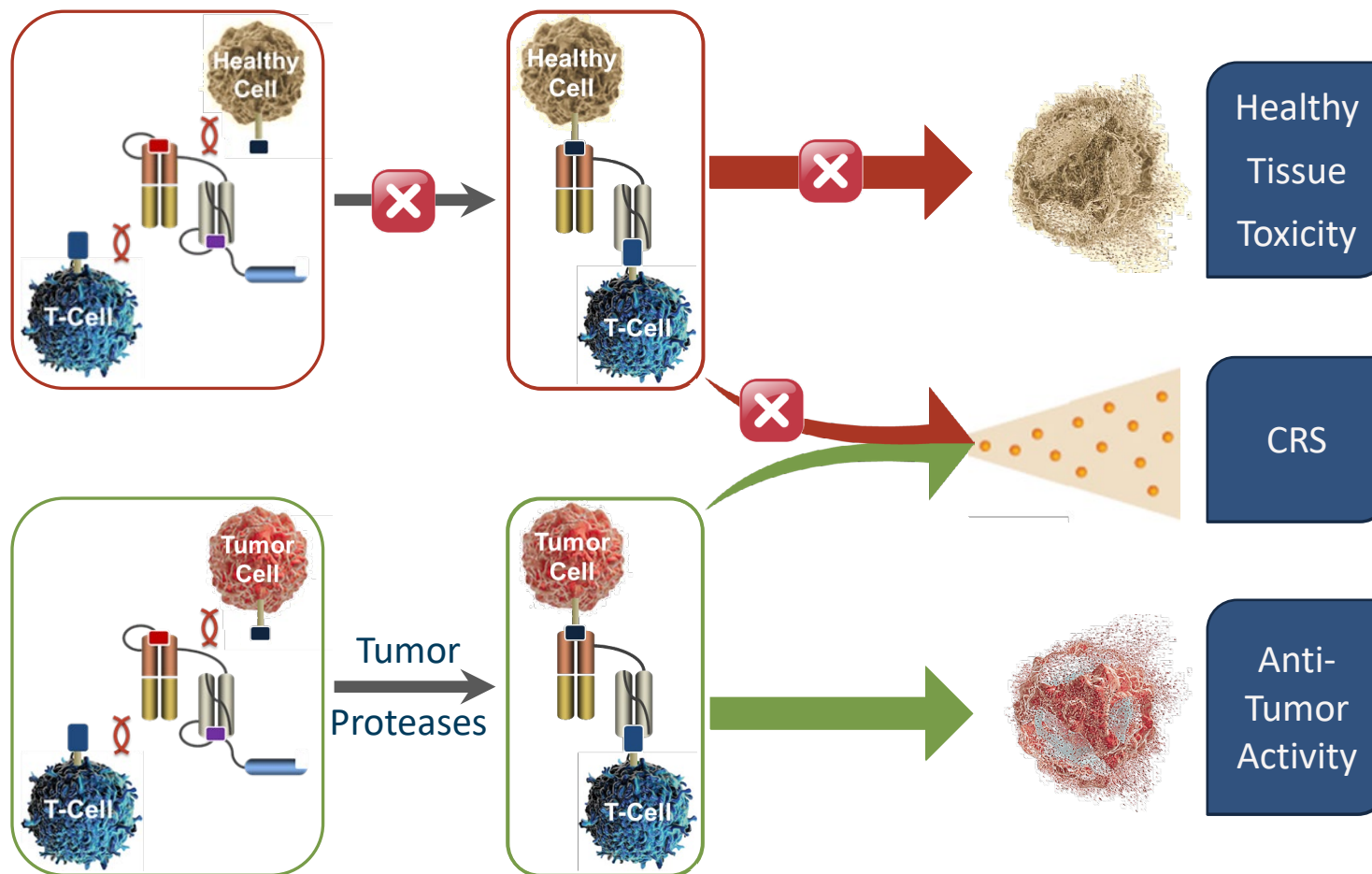
- Inhibits T-cell activation in healthy tissue to improve safety

**Cleavable linkers**

- Tumor specific cleavage, stable in serum

**Bimodal serum half-life**

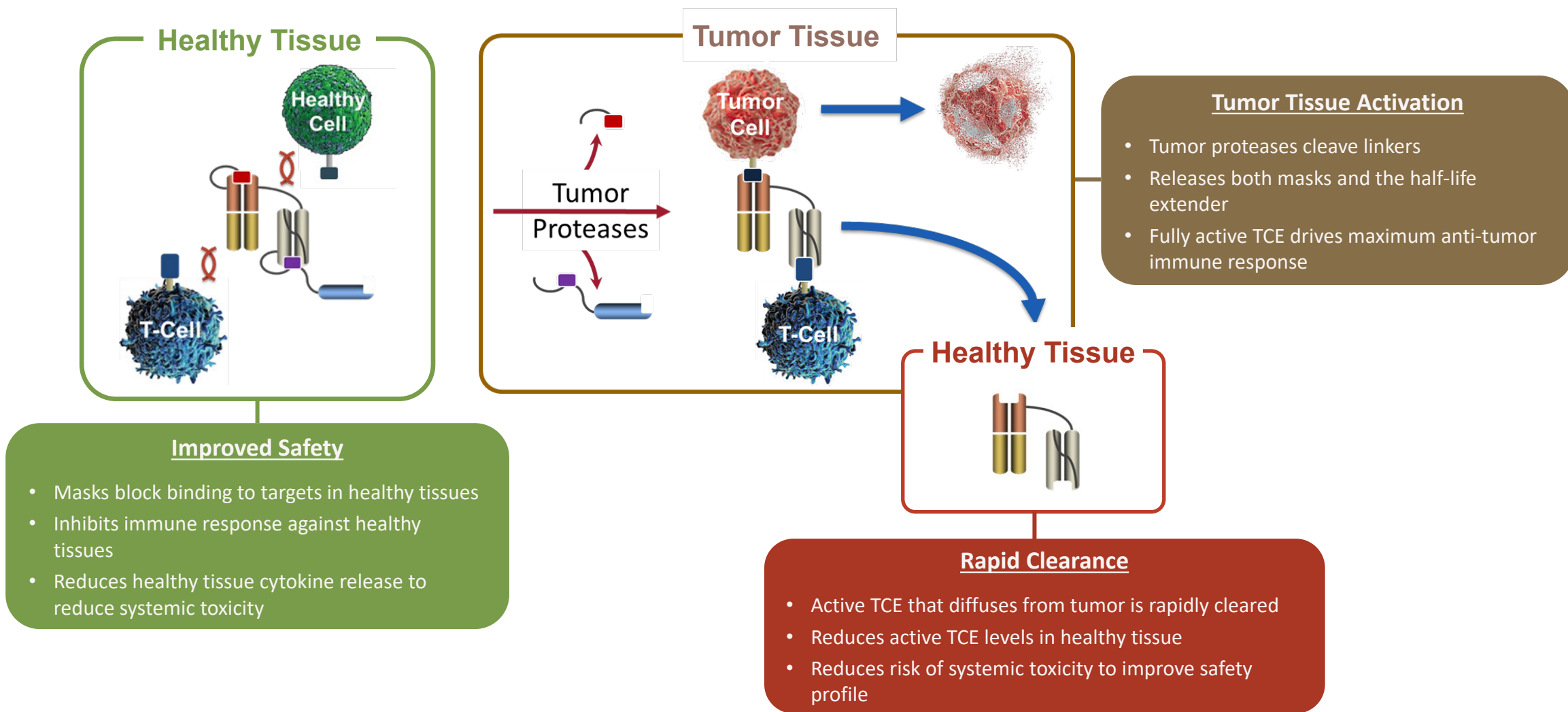
- Weekly TRACTr dosing, active TCE rapidly cleared



Emerging PSMA & EGFR-TRACTr clinical data demonstrates efficacy with favorable safety profiles

# Janux Tumor Activated T-Cell Engager (TRACTr) platform design principles

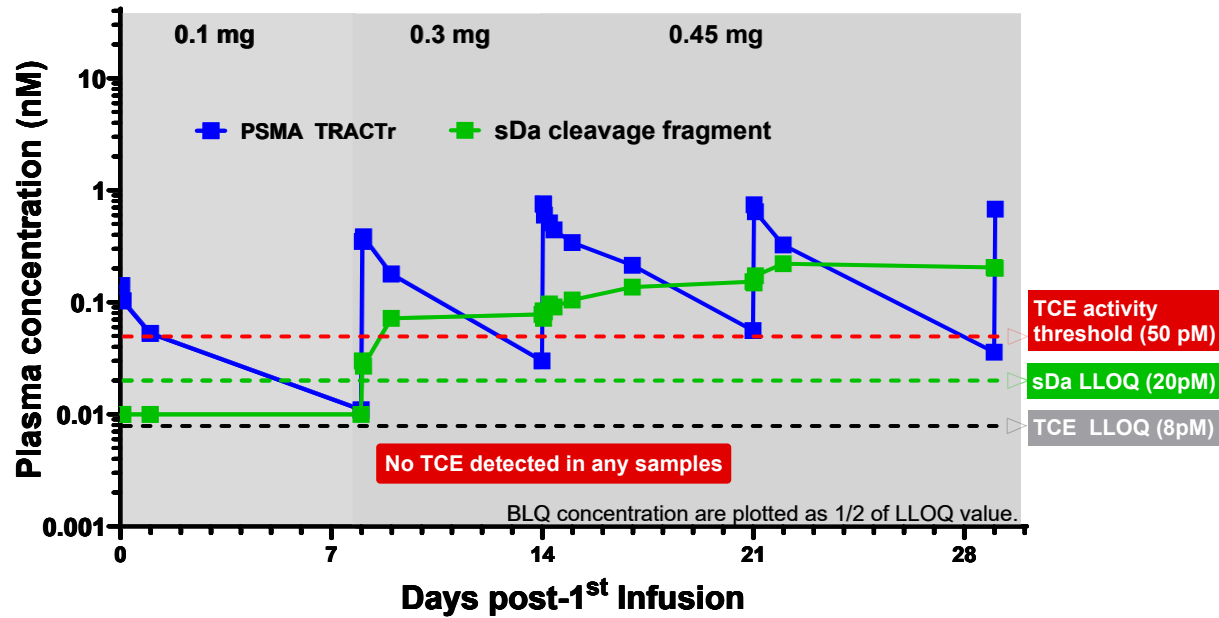
*Each program is designed as a potent T-cell engager with reduced toxicity*



# JANX007 interim clinical PK data has been consistent with TRACTr design principles

*TRACTr activation without TCE accumulation observed*

## PK of TRACTr Components in a mCRPC Subject

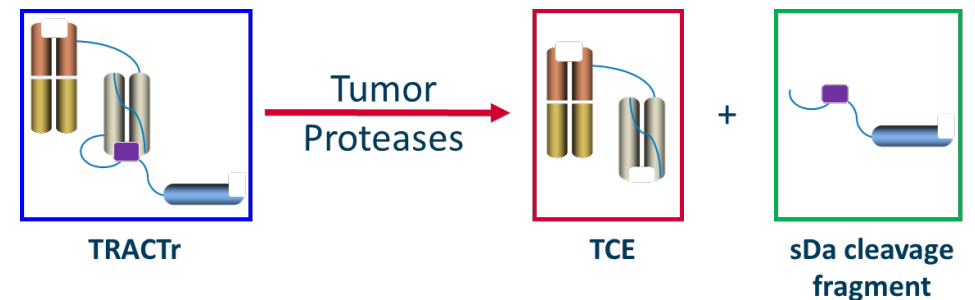


- TRACTr plasma levels consistent with  $\geq$  once-weekly dosing

- sDa cleavage fragment indicates TRACTr activation is occurring

- TCE plasma levels below preclinical activity threshold

- TRACTr activation observed without TCE accumulation in blood
- PD effects are not from systemic TCE exposures



JANX007 clinical PK data is consistent with tumor mediated TRACTr activation

# PSMA-TRACTr Program

*JANX007*

# JANX007 phase 1 trial design in mCRPC

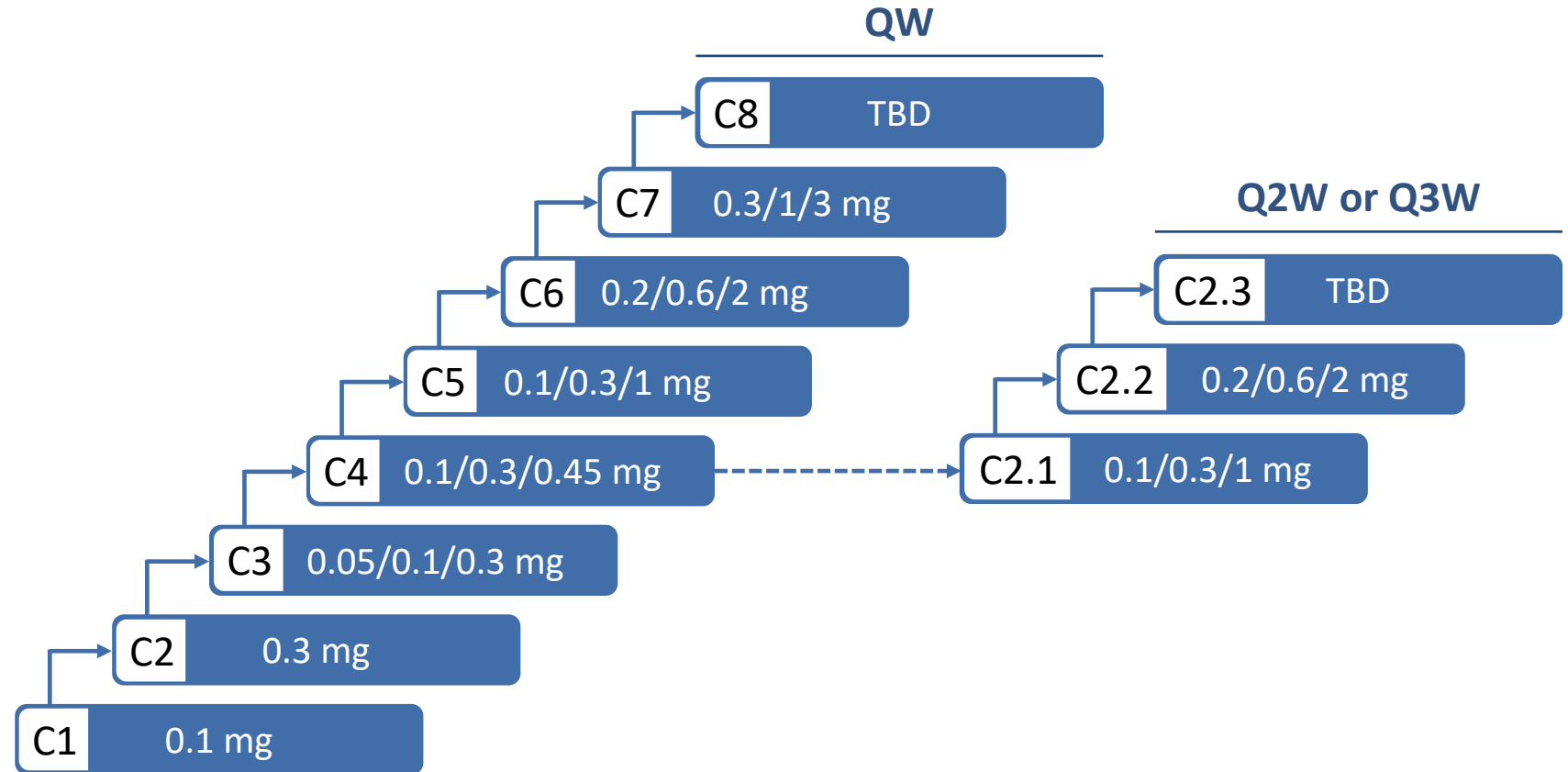
## Eligibility Criteria

- Male  $\geq 18$  years of age at the time of signing informed consent
- Histologically or cytologically confirmed adenocarcinoma of the prostate
- Documented progression after treatment with least 1 anti-androgen therapy and at least 1 taxane, or refused taxane therapy
- Adequate organ function

Subjects not selected for PSMA expression

## Objectives

- Primary
  - Safety
  - Tolerability
  - RP2D
- Secondary
  - PSA response (PSA30, PSA50, PSA90)
  - Radiographic response



\* QW step dose, Q2W or Q3W target dose schedule



# Summary of preliminary data from ongoing Phase 1a trial of JANX007

Continued deepening of PSA reductions with increased dose levels while maintaining low-grade CRS and TRAE profiles

## Efficacy

- Subjects with first step dose  $\geq 0.2\text{mg}$  (n=6)

PSA30	PSA50	PSA90
100%	83%	17%

- Subjects with first dose  $\geq 0.1\text{mg}$  (n=18)

PSA30	PSA50	PSA90
78%	56%	6%

## Safety

- CRS
  - No CRS > Grade 2 for any cohort
  - PSA declines consistently observed after CRS
- Non-CRS related TRAEs
  - Majority of TRAEs are low grade (G1/2) occurring predominantly in cycle 1
  - Low incidence of Grade 3 TRAEs, no Grade 4 or 5 observed

JANX007 safety profile supports continued dose escalation to further enhance already promising efficacy

# JANX007 subject characteristics

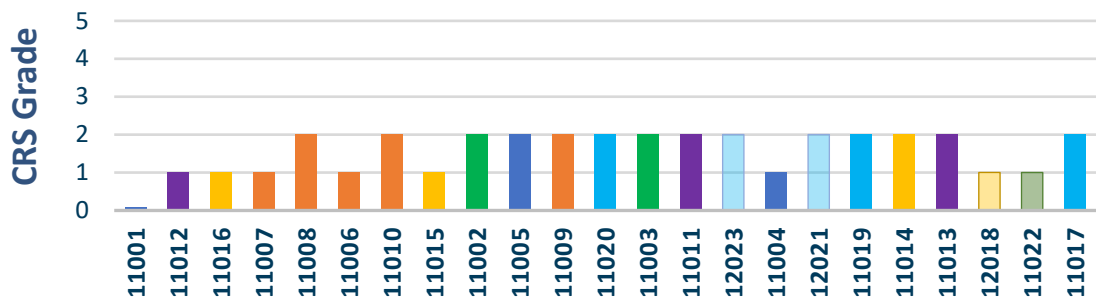
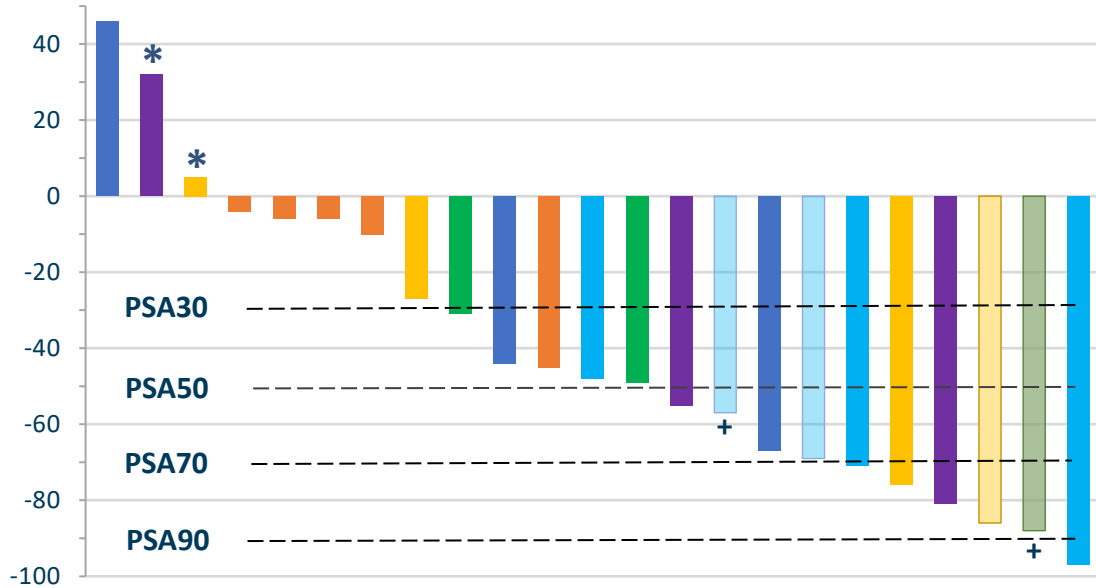
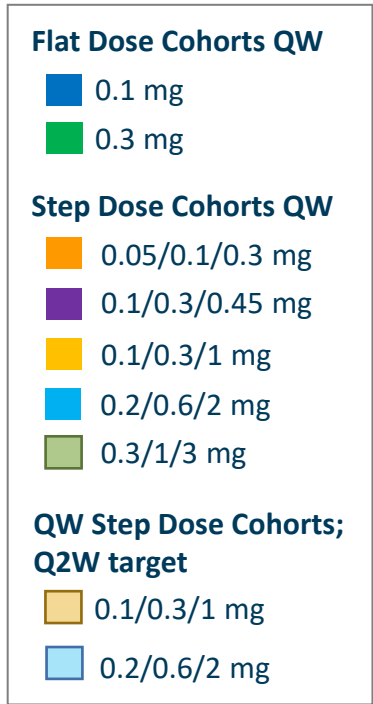
## *Heavily pre-treated subjects with a median of 4+ lines of therapy*

Characteristic	All subjects, n = 23
Median age, years (range)	69 (46-75)
Race	
White, n (%)	17 (74)
Asian, n (%)	1 (4)
Black, n (%)	4 (17)
Number of prior lines of therapy, median (range)	4 (2 – 6)
Prior taxane, n (%)	20 (87)
Baseline PSMA-PET positivity, n (%)	23 (100)
Prior PSMA-targeting radioligand therapy, n (%)	5 (22)
Baseline PSA, ng/mL, median (range)	158.5 (1.3 – 1991.6)
RECIST evaluable, n (%)	13/19 (68)
Bone metastases, n (%)	16/19 (84)
Lymph node metastases, n (%)	13/19 (68)
Visceral metastases, n (%)	8/19 (42)
Liver	3/19 (16)
Lung	3/19 (16)
Adrenal	1/19 (5)

# PSA responses deepening with increased doses while maintaining low grade CRS

*CRS observed only in subjects with PSA reductions*

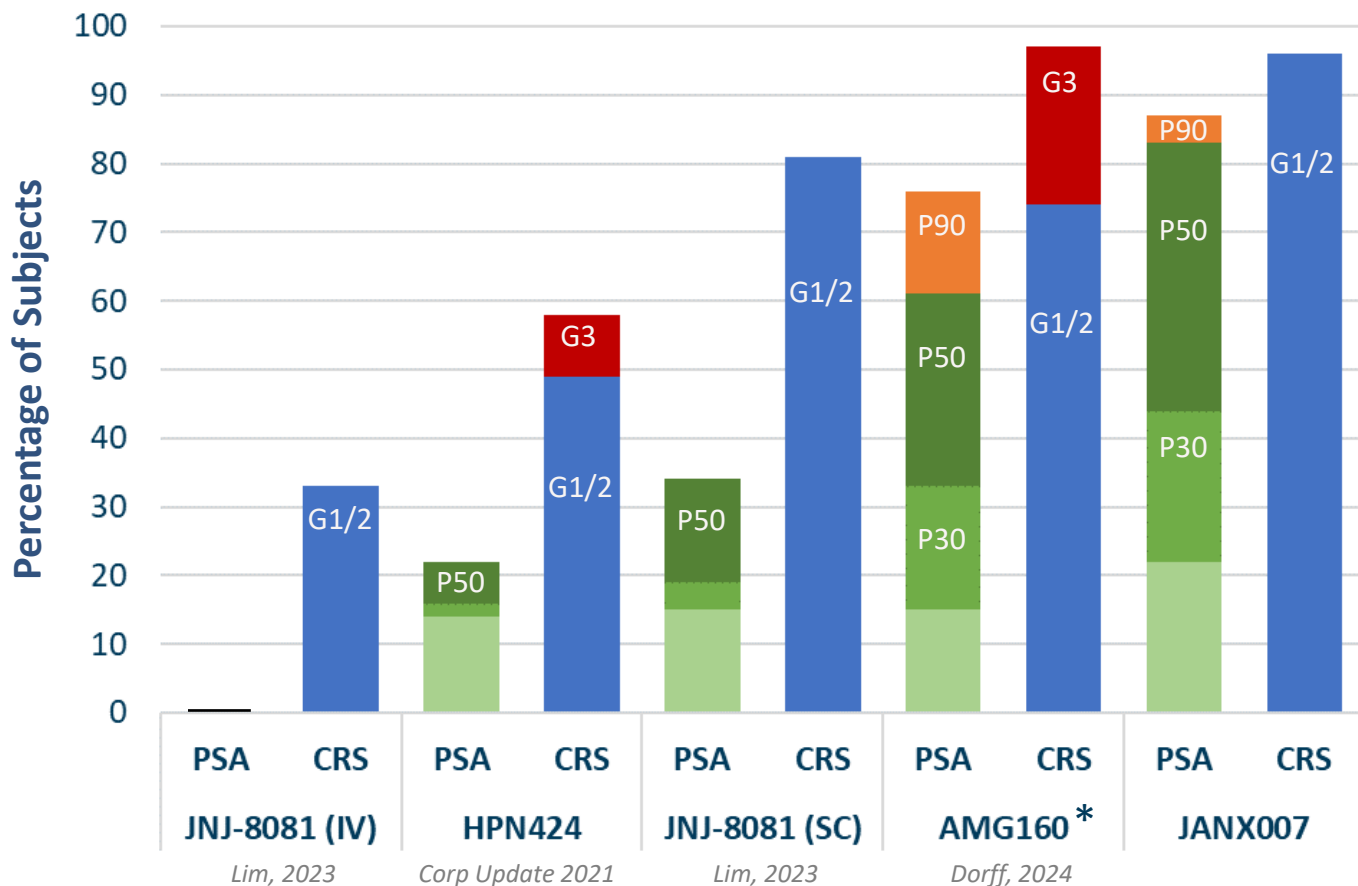
Best Overall % Change in PSA Values From Baseline



- Early evidence of antitumor activity
- PSA declines observed in the majority of subjects
- Increasing depth of PSA response as doses are increased
  - 57% PSA50 for first step dose of 0.1 mg
  - 83% PSA50 for first step dose  $\geq$  0.2 mg
- Encouraging CRS profile
  - Transient, grade 1 or 2 occurring in cycle 1
  - CRS only observed in subjects with PSA declines

PSA reduction combined with low-grade CRS profile consistent with tumor specific activation

# JANX007 combination of PSA reduction and CRS addresses safety and efficacy limitations of prior PSMA-TCEs



## Competitive PSA drops

- High response rate
- Majority of subjects experienced PSA declines
- Greater percentage of subjects achieving  $\geq 50\%$  reductions as dose level is increased

## Manageable CRS

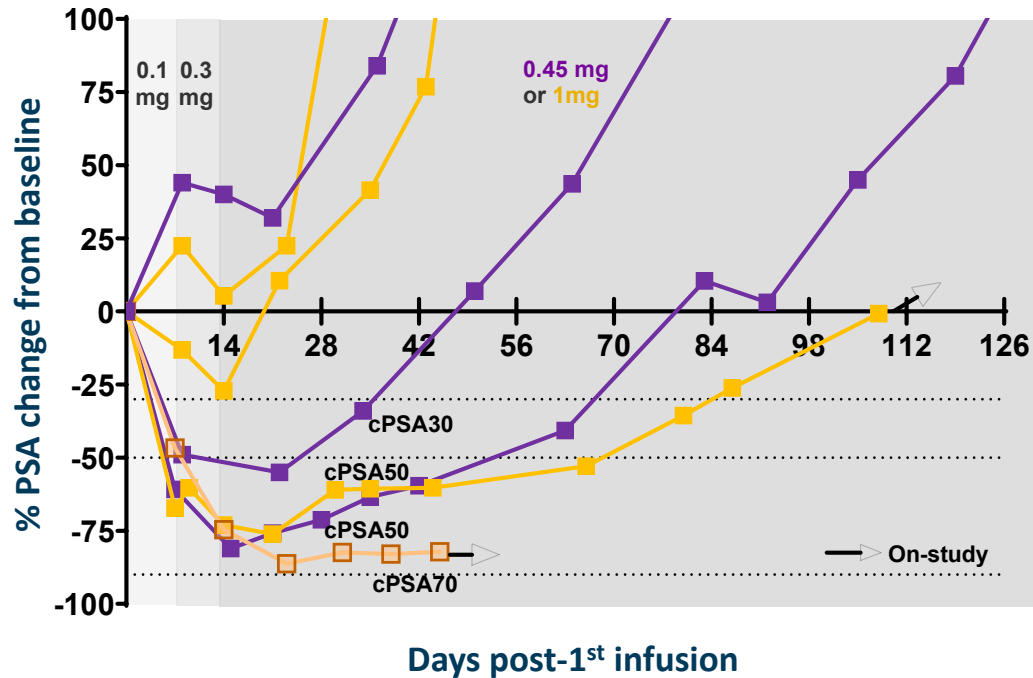
- No Grade 3 CRS – only G1/2 CRS easily managed
- Subjects with PSA reduction exhibited CRS

\*Includes ~40 backfill subjects

Low grade CRS maintained as dose-levels have been increased to deepen PSA responses

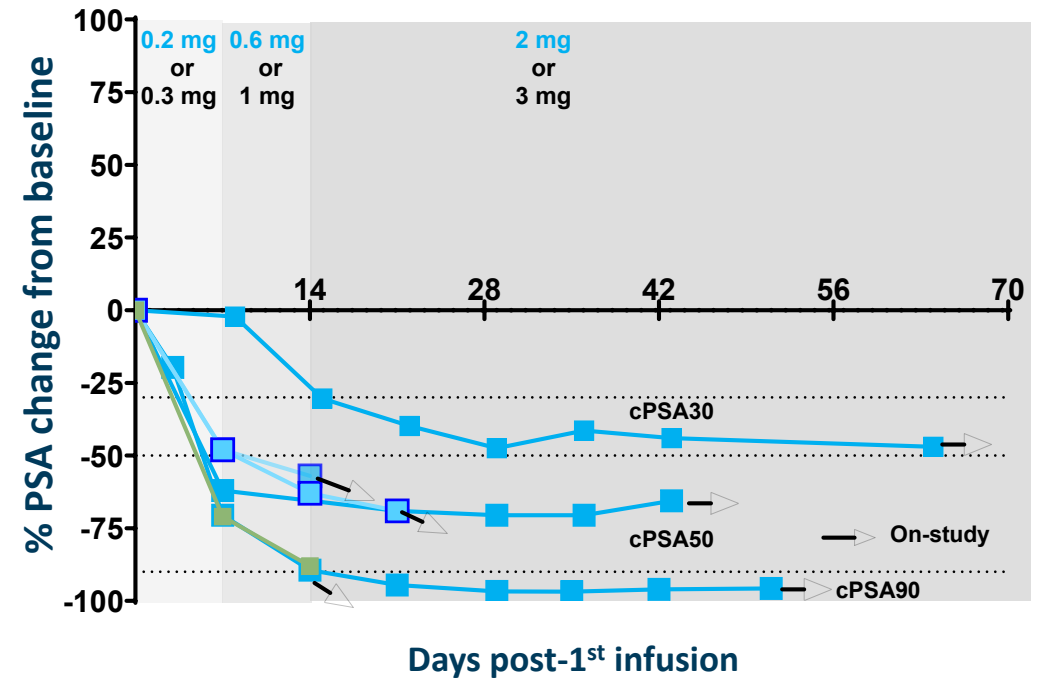
# Improved PSA responses observed at higher doses of JANX007

Subjects receiving initial step dose of 0.1 mg



■ 0.1/0.3/0.45 mg QW   
 ■ 0.1/0.3/1 mg QW   
 ■ 0.1/0.3/1 mg Q2W

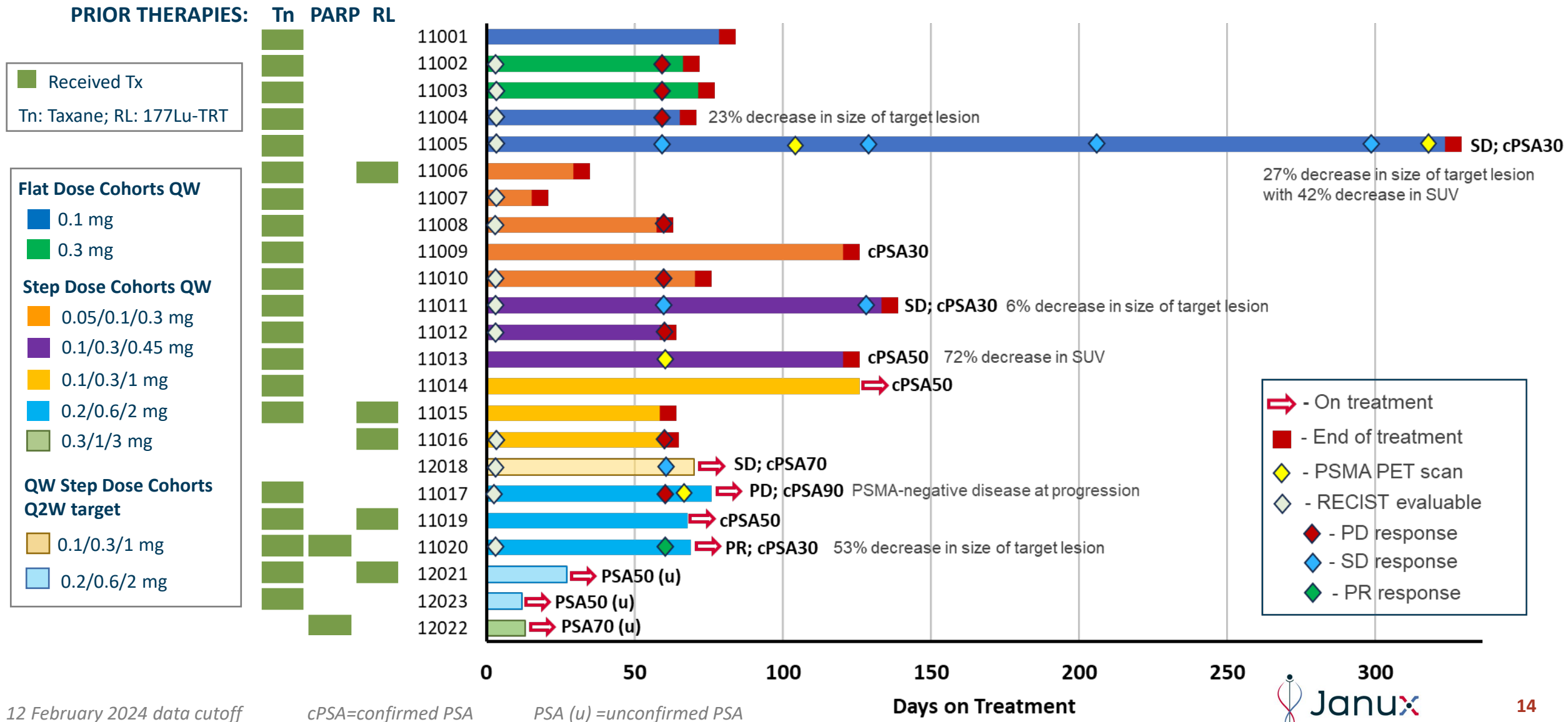
Subjects receiving initial step dose of  $\geq 0.2$  mg



■ 0.2/0.6/2 mg QW   
 ■ 0.3/1/3 mg QW   
 ■ 0.2/0.6/2 mg Q2W

1<sup>st</sup> step  $\geq 0.2$  mg cohorts achieve deeper and more durable PSA responses while maintaining low-grade CRS

# Prior therapies and time on JANX007 treatment for all subjects



# Significant tumor burden reductions demonstrated by PSMA-PET

*Subject 013 (cohort 4, 0.1/0.3/0.45mg)*

## Past medical history

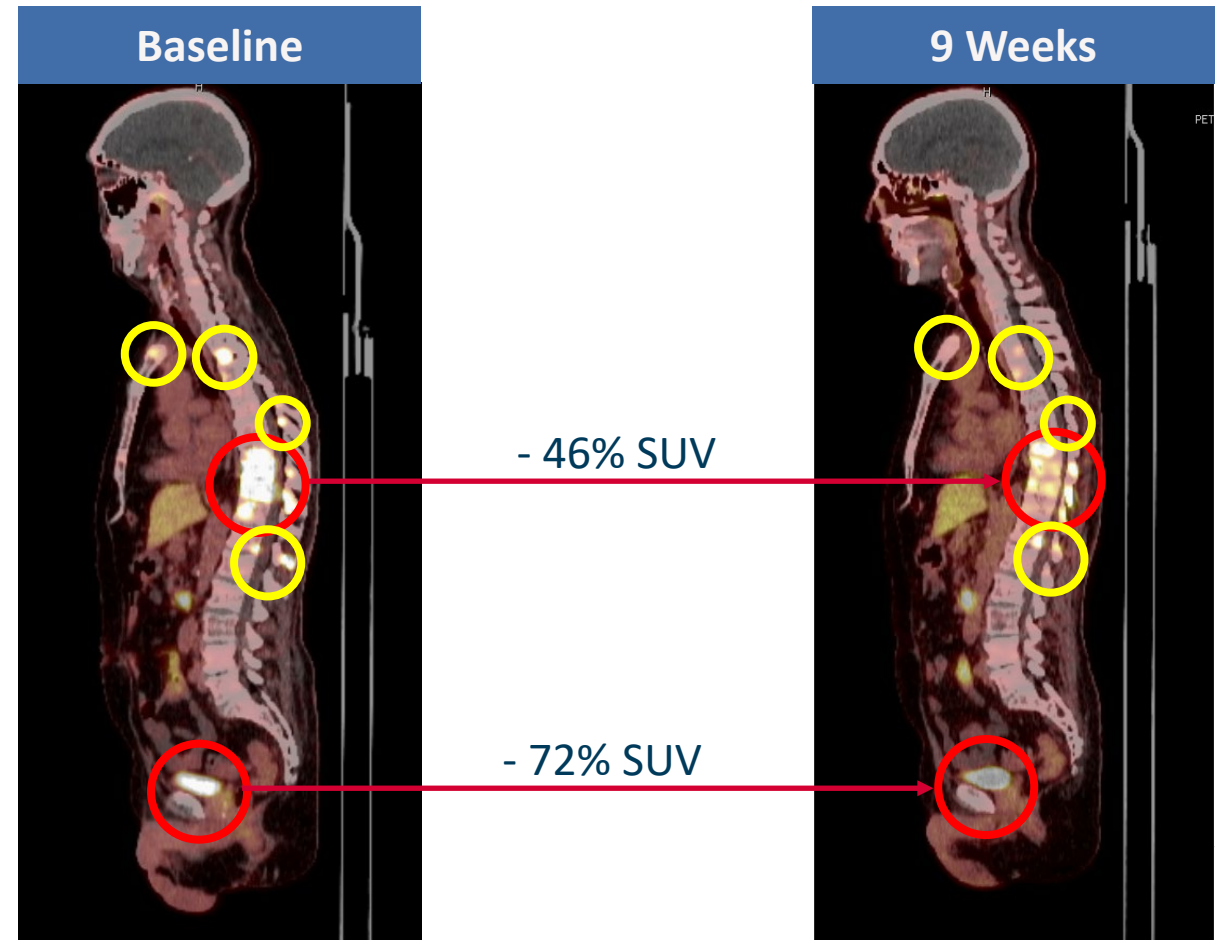
- Subject: 75-year-old
- Diagnosis: Nov 2020 with Gleason score 9, stage IVB
- Prior therapies: heavily treated with 6 prior lines of therapy

## JANX007 treatment history

- Best PSA decline of -81%
- Achieved a confirmed PSA50 response

## CRS & TRAE Summary

- Grade 2 CRS with low grade TRAEs (G1/2)



Experienced decreased bone pain after starting treatment

# Treatment related adverse events in ≥2 subjects

*Majority low-grade AEs occurring in cycle 1 of treatment*

Preferred Term	All Subjects (n=23)			
	Grade 1	Grade 2	Grade ≥3	All Grades
Cytokine release syndrome	8 (35)	13 (57)	0	21 (91)
Diarrhoea	6 (26)	2 (9)	0	8 (35)
Chills	4 (17)	2 (9)	0	6 (26)
ALT increased	3 (13)	1 (4)	1 (4)	5 (22)
Anaemia	1 (4)	2 (9)	2 (9)	5 (22)
AST increased	4 (17)	1 (4)	0	5 (22)
Fatigue	2 (9)	2 (9)	0	4 (17)
Decreased appetite	4 (17)	0	0	4 (17)
Nausea	3 (13)	1 (4)	0	4 (17)
Headache	3 (13)	0	0	3 (13)
Blood bilirubin increased	2 (9)	1 (4)	0	3 (13)
Hypoalbuminaemia	2 (9)	1 (4)	0	3 (13)
Hypocalcaemia	3 (13)	0	0	3 (13)
Hypophosphataemia	1 (4)	2 (9)	0	3 (13)
Leukopenia / white blood cell count decreased	3 (13)	0	0	3 (13)

Preferred Term	All Subjects (n=23)			
	Grade 1	Grade 2	Grade ≥3	All Grades
Myalgia	1 (4)	2 (9)	0	3 (13)
Platelet count decreased / thrombocytopenia	2 (9)	1 (4)	0	3 (13)
Pyrexia	2 (9)	1 (4)	0	3 (13)
Vomiting	0	2 (9)	0	3 (13)
Blood alkaline phosphatase increased	2 (9)	0	0	2 (9)
Dysgeusia	2 (9)	0	0	2 (9)
Hypomagnesaemia	2 (9)	0	0	2 (9)
Lipase increased	0	1 (4)	1 (4)	2 (9)
Stomatitis	2 (9)	0	0	2 (9)



# Emerging clinical data highlights the competitive potential for JANX007

Characteristic	JANX007 (n=18)	JANX007 (n=6)	AMG509 (n=44) STEAP1xCD3	ARX517 (n=23) PSMA-ADC
Selected cohorts	1st dose $\geq$ 0.1mg	1st step dose $\geq$ 0.2mg	Target dose $\geq$ 0.75mg	Dose $\geq$ 2mpk
$\geq$ 30% PSA	78%	100%	77%	61%
$\geq$ 50% PSA	56%	83%	59%	52%
$\geq$ 90% PSA	6%	17%	36%	26%
$\geq$ G3 CRS	0%	0%	2%	N/A
$\geq$ G3 TRAEs	28%	17%	55%	13%
	<i>12 February 2024 data cutoff</i>	<i>12 February 2024 data cutoff</i>	<i>Kelly, 2023</i>	<i>ESMO, 2023</i>

JANX007 safety profile supports continued dose escalation to further enhance already notable efficacy

*Information provided in the table above is for illustrative purposes only and is not a head-to-head comparison. Differences exist between study or trial designs and subject characteristics, and caution should be exercised when comparing data across studies.*

# JANX007 positioning in mCRPC

## Target

- PSMA is a clinically validated (Pluvicto®) and highly expressed target that is expressed in >80%<sup>†</sup> of mCRPC patients

## JANX007

- Single-agent efficacy and safety data in heavily pre-treated, late-stage mCRPC patients
  - Supports single-agent development in 3L+ and 2L+ settings
- Non-overlapping toxicity provides opportunity to treat Pluvicto® responders *and* non-responders
  - Switch maintenance therapy to JANX007 following Pluvicto® provides opportunity to deepen and prolong responses
  - Additional opportunity for PSMA directed therapy for Pluvicto® non-responders
  - Opportunity in 2L and 3L settings
- Complementary combination opportunity with enzalutamide
  - Enzalutamide upregulates PSMA, the target for JANX007 treatment
  - Combination with enzalutamide may provide synergy to overcome enzalutamide resistance mechanisms
  - Opportunity in 1L and 2L settings

<sup>†</sup> Bostwick DG, 1998

# There is substantial market potential for a best-in-class TCE in mCRPC

## Metastatic Castration Resistant Prostate Cancer (~70k)

1L  
(42k)

*Enza, abi, chemo*

2L+  
(27k)

*Abi, chemo, enza, Pluvicto®, Xofigo®, PARP*

3L+  
(18k)

*Chemo, Pluvicto®, pembro, Xofigo®, abi, enza*

### JANX007 Potential Market Opportunity

**\$4B+**  
(combo)

**~\$3B+**  
(mono, combo, switch)

**~\$2B+**  
(mono, switch)

#### Key Unmet Needs

- Novel therapies for 2L and 3L+ patients
- Non-chemo therapies for 1L patients

# EGFR-TRACTr Program

*JANX008*

# JANX008 Phase 1 trial design in NSCLC, SCCHN, CRC, and RCC

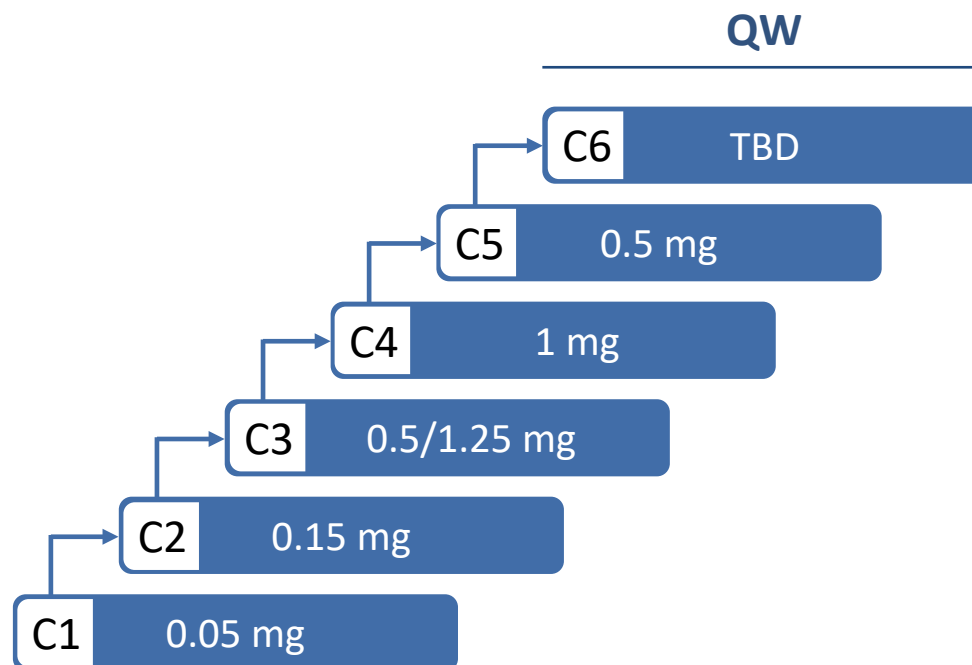
## Eligibility Criteria

- Subjects  $\geq 18$  years of age at the time of signing informed consent
- Histologically or cytologically documented locally advanced or metastatic NSCLC, SCCHN, CRC, or RCC
- Progressed or was intolerant to all available therapies known to confer clinical benefit appropriate for the tumor type
- Adequate organ function
- At least 1 measurable lesion per RECIST 1.1

Subjects not selected for EGFR expression

## Objectives

- Primary
  - Safety
  - Tolerability
  - RP2D
- Secondary
  - PK, PD, ADA
  - Radiographic response
  - Correlation with EGFR expression



# Summary of preliminary data from ongoing Phase 1a trial of JANX008

Encouraging signs of efficacy coupled with differentiated, low-grade CRS and TRAE profiles demonstrated in early cohorts

## Efficacy

- Confirmed RECIST partial response with 100% target lesion reduction in a subject with NSCLC at 0.15mg
  - RECIST response ongoing at 18 weeks\*
  - Elimination of hepatic metastasis
  - Anti-tumor activity coupled with *no* CRS or TRAEs observed in this subject
- Anti-tumor activity noted in a subject with RCC and extensive disease
  - Grade 1 CRS (fever)

## Safety

- CRS
  - No > Grade 1 CRS in any cohort
  - Two subjects with Grade 1 CRS in 0.5/1.25mg and 1mg cohorts
- Non-CRS related TRAEs
  - Predominantly low grade, occurring in cycle 1
  - No treatment-related SAEs or DLTs in any cohort

JANX008 safety profile supports continued dose escalation to improve efficacy

# JANX008 subject characteristics

Characteristic	All subjects n = 11	NSCLC n = 4	CRC n = 4	RCC n = 2	SCCHN n = 1
Median age, years (range)	65 (37 – 81)	67.5 (62 – 71)	53 (37 – 72)	61.5 (42 – 81)	65 (65)
Male, n (%)	8 (73)	3 (75)	2 (50)	2 (100)	1 (100)
White/Black/Asian, %	100/0/0	100/0/0	100/0/0	100/0/0	100/0/0
Number of prior lines of therapy, median (range)	4 (1 – 9)	2.5 (1 – 4)	6.5 (3 – 9)	4.5 (3 – 6)	7 (7)
Prior anti-PD-(L)1 treatment, n (%)	9 (82)	4 (100)	2 (50)	2 (100)	1 (100)

Heavily pre-treated subjects with an average of 4+ lines of therapy, the majority having failed anti-PD-(L)1 treatment

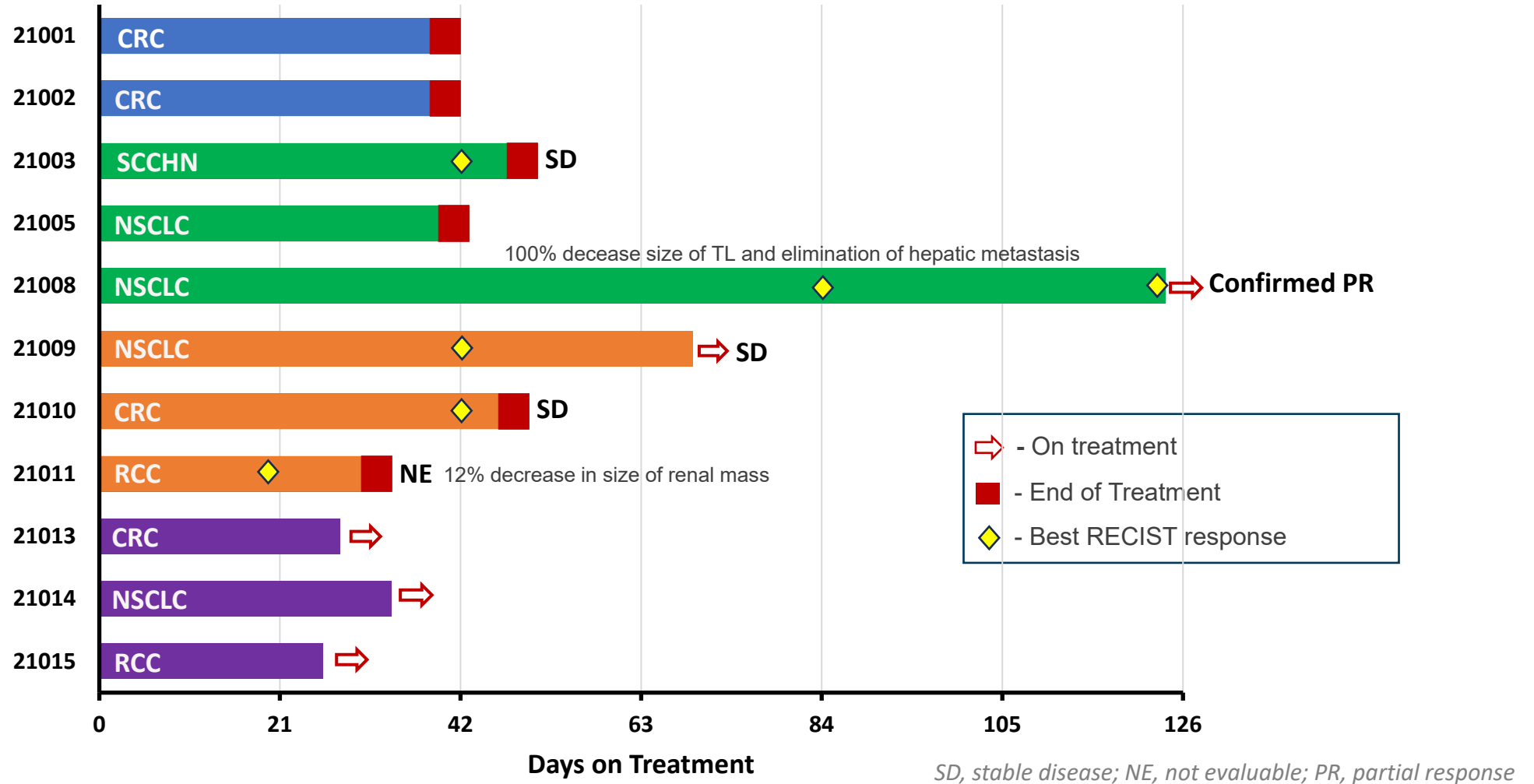
# Time on treatment for all subjects

**Flat Dose Cohorts QW**

- 0.05 mg
- 0.15 mg
- 1 mg

**Step Dose Cohorts QW**

- 0.5/1.25 mg





# Confirmed PR observed in a heavily pretreated subject with NSCLC, ongoing at 18 weeks

## Subject 21008 (0.15 mg QW)

### Past medical history

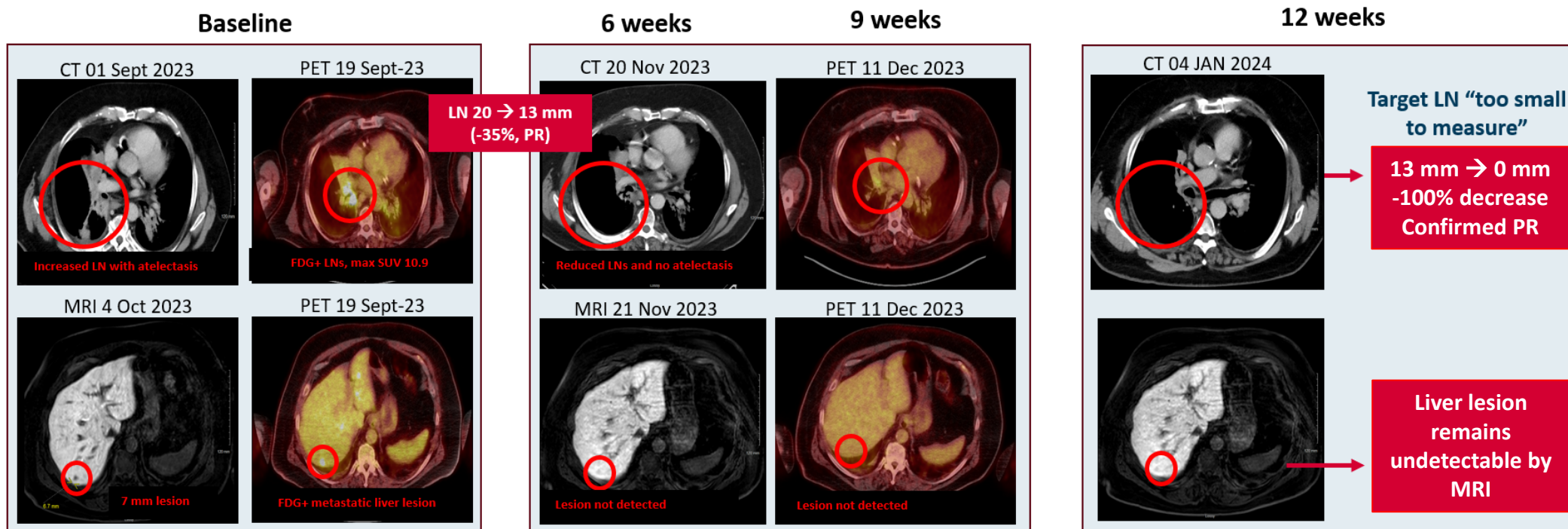
- Subject: 62-year-old male
- Diagnosis: Feb 2021 with NSCLC, adeno, Stage IIIB
- Mutations: MSI-L/MSS, MET, TP53
- 4L prior Tx, PD-(L)1 refractory

### JANX008 treatment summary

- Cycle 1 Day 1: 11 Oct 2023
- Active on therapy

### JANX008 CRS and TRAE summary

- No CRS or TRAEs observed



Confirmed RECIST response with elimination of target and liver lesions, and no CRS or adverse events

# Early anti-tumor activity observed in a subject with RCC

## *Subject 21011 (0.5/1.25 mg QW)*

### **Past medical history**

- Subject: 42-year-old male
- Diagnosis: Jan 2023 with RCC, clear cell, stage IV
- Mutations: MSI-L/MSS, pMMR
- Prior therapies: three prior lines of therapy

### **JANX008 treatment summary**

- Cycle 1 Day 1: 20 Nov 2023
- Discontinued treatment due to adverse event (G3 aspiration pneumonia, unrelated to drug)\*

### **JANX008 CRS summary**

- Grade 1 CRS

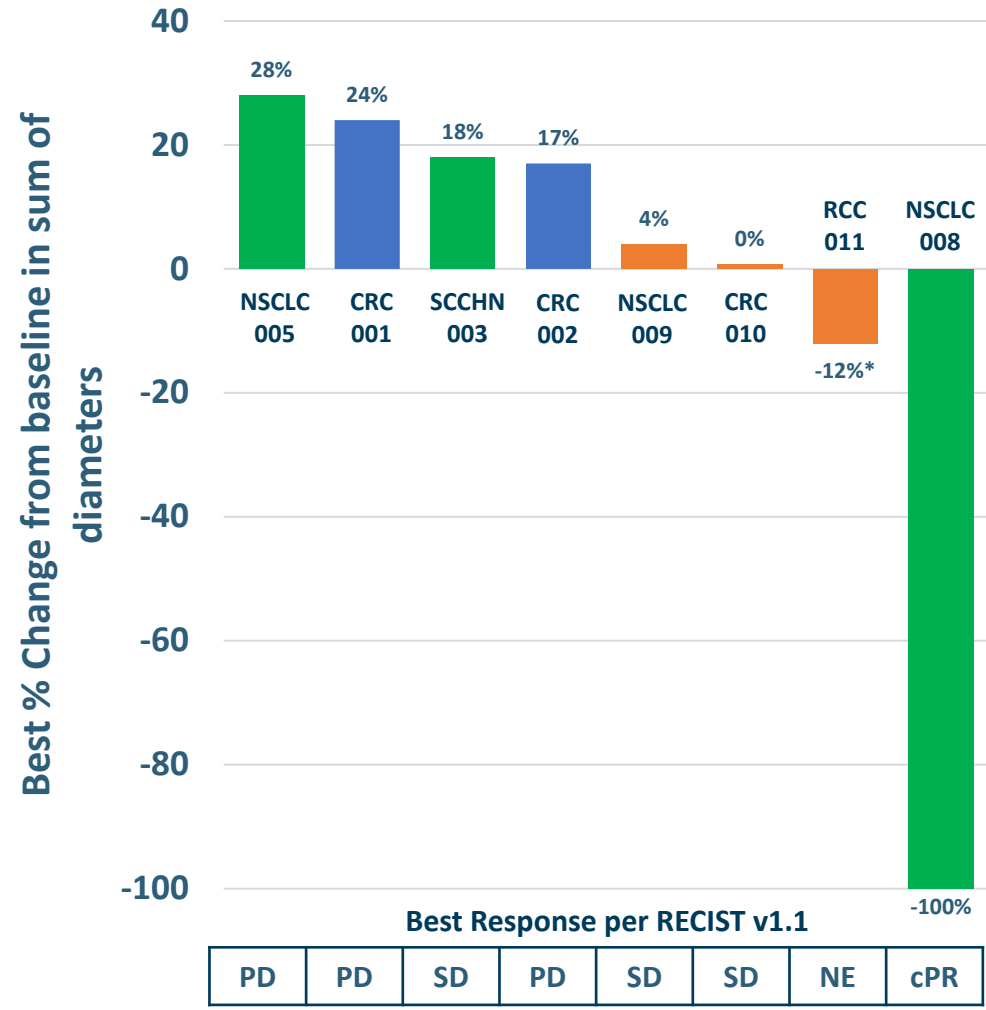
### **Radiographic activity\***

- Baseline: extensive L renal mass (11 cm)
- Complete resolution of cancer-related back pain (managed with narcotics) after 2 doses of JANX008
- Off-schedule day 17 CT scan demonstrated a 12% decrease in diameter of renal mass

# Encouraging anti-tumor activity observed in early cohorts

**Flat Dose Cohorts QW**  
 ■ 0.05 mg  
 ■ 0.15 mg

**Step Dose Cohorts QW**  
 ■ 0.5/1.25 mg



Early evidence of anti-tumor activity in anti-PD-(L)1 refractory diseases

- Confirmed PR in NSCLC
- Reduction in size of RCC mass with significant clinical benefit

*PD: progressive disease; SD: stable disease; NE: not evaluable; cPR: confirmed partial response*

Activity in heavily pre-treated, late-stage subjects underscores JANX008 opportunity in large market indications

# Treatment related adverse events

TRAE Preferred Term	All Subjects (n=11)			
	Grade 1	Grade 2	Grade ≥3	All Grades
Arthralgia	3 (27)	0	0	3 (27)
Anemia	0	1 (9)	1 (9)	2 (18)
Cytokine release syndrome	2 (18)	0	0	2 (18)
Dermatitis acneiform*	2 (18)	0	0	2 (18)
Nausea	2 (18)	0	0	2 (18)
Rash maculopapular*	1 (9)	1 (9)	0	2 (18)
Back pain	1 (9)	0	0	1 (9)
Diarrhea	1 (9)	0	0	1 (9)
Dizziness	1 (9)	0	0	1 (9)
Fatigue	1 (9)	0	0	1 (9)
Headache	0	1 (9)	0	1 (9)
Hyperglycemia	1 (9)	0	0	1 (9)
Hypokalemia	1 (9)	0	0	1 (9)
Hypophosphatemia	1 (9)	0	0	1 (9)
Injection site irritation	1 (9)	0	0	1 (9)

TRAE Preferred Term	All Subjects (n=11)			
	Grade 1	Grade 2	Grade ≥3	All Grades
Lymphocyte count decreased	0	1 (9)	0	1 (9)
Oedema peripheral	1 (9)	0	0	1 (9)
Oral pain	0	1 (9)	0	1 (9)
Pain in extremity	1 (9)	0	0	1 (9)
Pyrexia	1 (9)	0	0	1 (9)
Vomiting	1 (9)	0	0	1 (9)

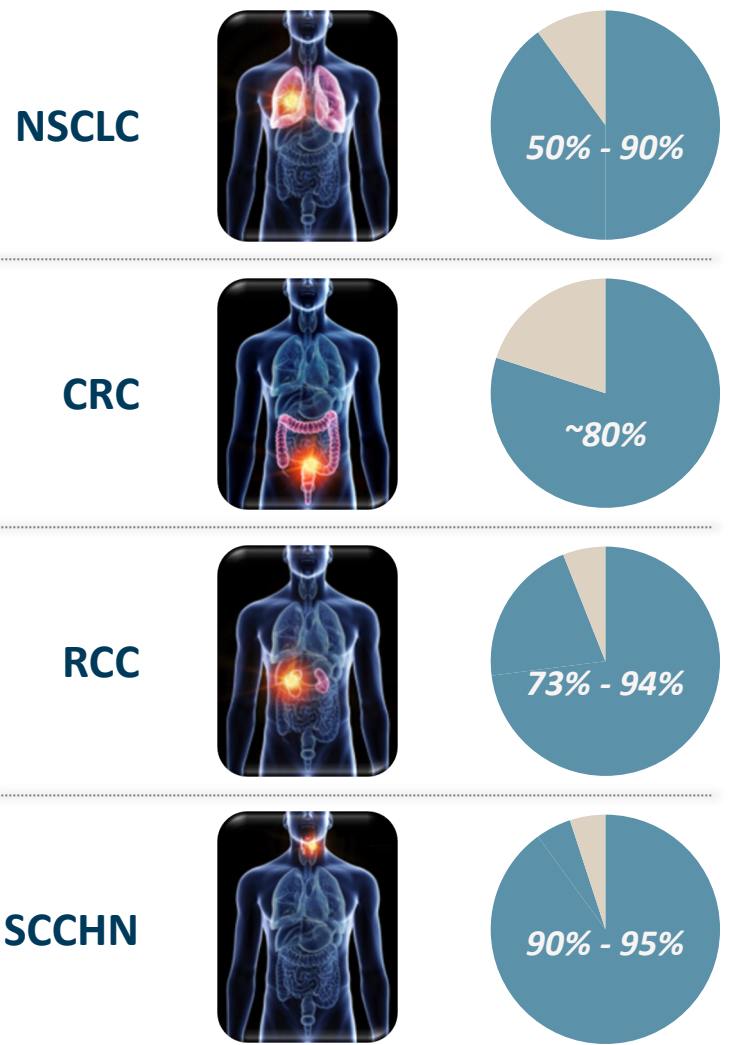
\*Low grade maculopapular and acneiform rashes may represent on-target activity in areas of inflammation

- Dermatitis acneiform – 1 of 2 occurred in area with prior history of acne
- Rash maculopapular – 1 occurred in area over pathologic lymph nodes, and 1 occurred over extremities that responded well to low dose prednisone treatment

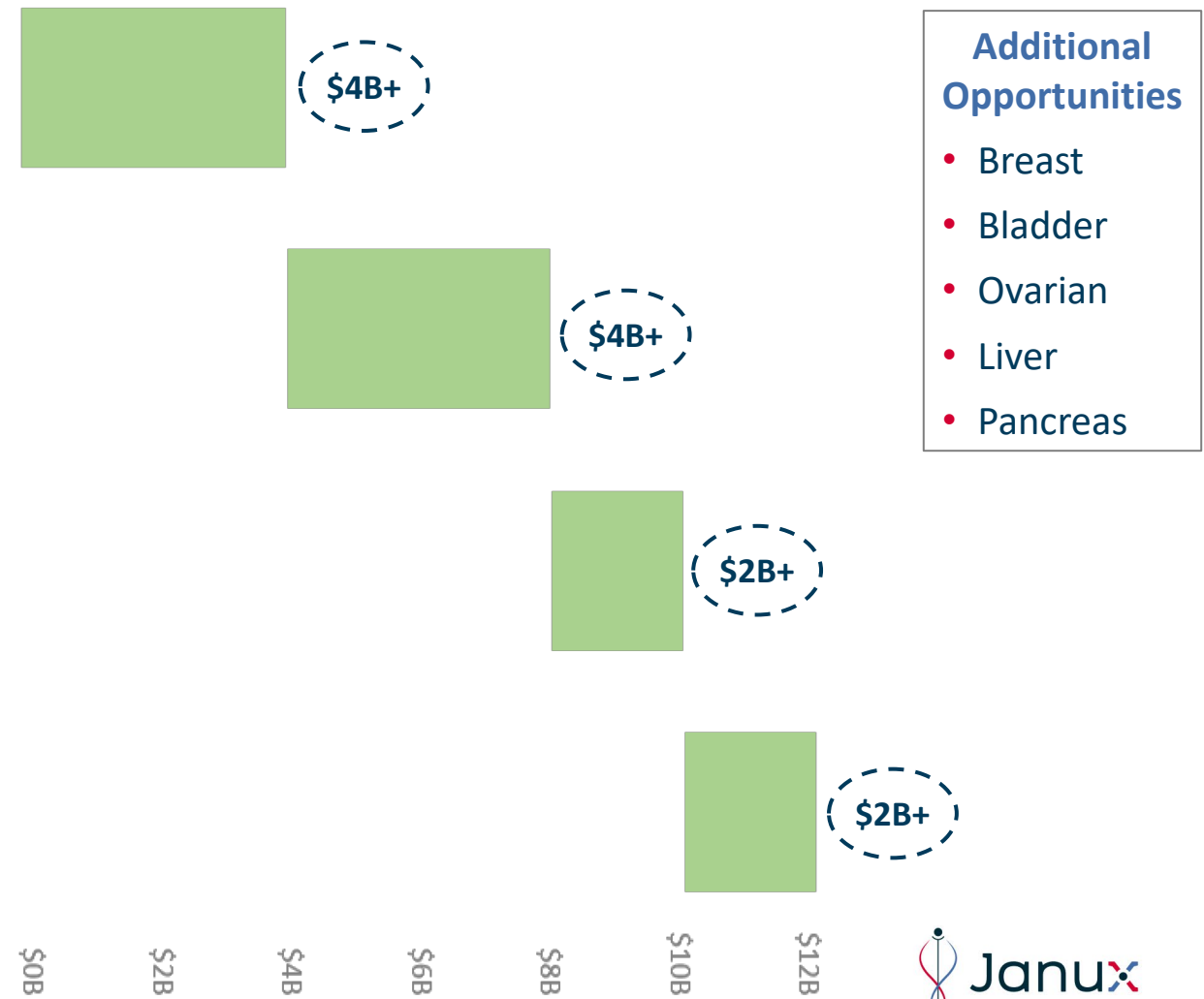
Majority of low-grade AEs occurred only in cycles 1 and 2

# Combination of efficacy and safety enables opportunity to treat multiple large patient indications

## EGFR Overexpression



## JANX008 Potential Market Opportunity



- Additional Opportunities**
- Breast
  - Bladder
  - Ovarian
  - Liver
  - Pancreas

# Janux clinical update summary

## Proof of Principle

- PSMA and EGFR-TRACTr clinical programs showcase an early display of efficacy combined with a differentiated favorable safety profile in heavily pre-treated, late state cancer patients
- Clinical data provides compelling proof-of principle for the TRACTr platform in a setting where many other approaches have failed due to material safety issues or lack of efficacy

## Large Opportunity

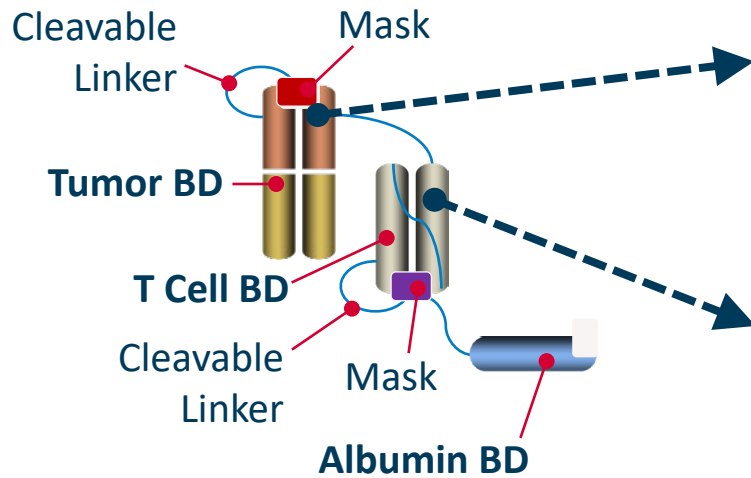
- PSMA and EGFR-TRACTr clinical programs underscore the potential to not only be first-in-class but best-in-class in large market segments
- TRACTr platform provides entry point to solid tumor targets that are intractable with conventional TCE approaches
  - Constitutes the vast majority of attractive anti-tumor targets

## Forward Momentum

- PSMA-TRACTr - we plan to present updated data including doses identified for expansion cohorts in 2H 2024
- EGFR-TRACTr - we plan to continue dose escalation optimization in 2024 and present updated data in 2025

# Corporate Summary

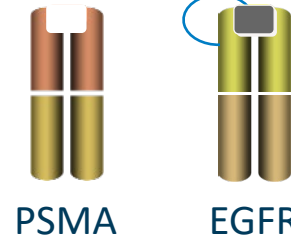
# Plug-and-play platform designed to enable rapid generation of potential tumor activated therapeutics



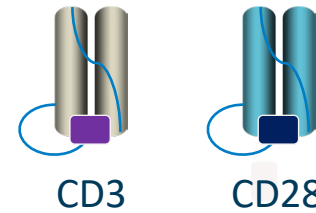
**Modular platform** designed for rapid development of new product candidates

## TRACTr & TRAClr Pipeline

### Tumor Binding Domains

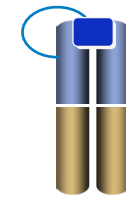


### T Cell Binding Domains

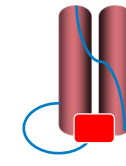


**Flexible platform** designed to support development of tumor activated bispecific drugs against wide range of targets

## Research Programs



Multiple Targets



Multiple Engagers

**Simplified manufacturing** process designed to closely resemble production process for antibodies



# Janux scientific and business leadership team



**Byron Robinson, Ph.D., J.D.**  
*Chief Strategy Officer*



**Tommy DiRaimondo, Ph.D.**  
*Chief Scientific Officer*



**Zach McIver, D.O., Ph.D.**  
*Vice President  
Clinical Development*



**David Campbell, Ph.D.**  
*President and Chief Executive Officer*



**Andy Meyer, MBA**  
*Chief Business Officer*



**Charles Winter, Ph.D.**  
*Chief Technical Officer*





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