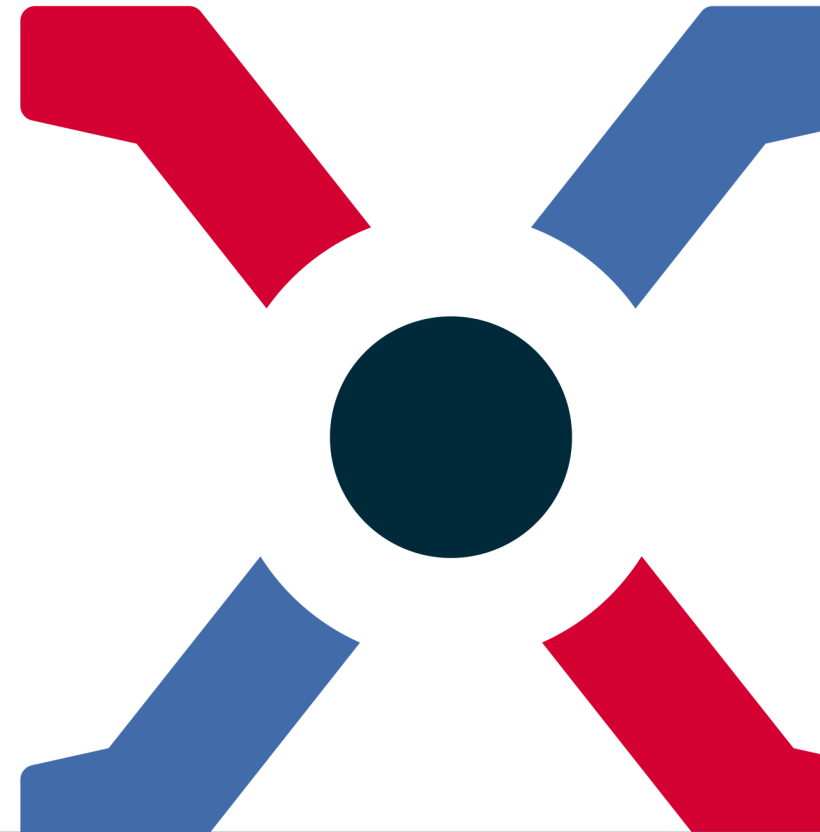




# Creating Transformative Medicines to Improve Patients' Lives

Program Updates

December 2, 2024



# Forward-Looking Statements and Disclaimers

This presentation includes certain forward-looking statements that involve risks and uncertainties that could cause actual results to be materially different from historical results or from any future results expressed or implied by such forward-looking statements regarding Janux Therapeutics, Inc. (the “Company”). These forward-looking statements include, but are not limited to, those regarding the Company’s ability to bring new treatments to patients in need, the progress and expected timing of the Company’s drug development programs, and clinical development plans and timelines and estimates regarding the Company’s expenses and capital requirements. Because such statements are subject to risks and uncertainties, actual results may differ materially from those expressed or implied by such forward-looking statements. Factors that may cause actual results to differ materially include the risk that compounds that appeared promising in early research do not demonstrate safety and/or efficacy in later preclinical studies or clinical trials, the risk that the Company may not obtain approval to market its product candidates, uncertainties associated with performing clinical trials, regulatory filings and applications, risks associated with reliance on third parties to successfully conduct clinical trials, the risks associated with reliance on outside financing to meet capital requirements, and other risks associated with the process of discovering, developing and commercializing drugs that are safe and effective for use as human therapeutics, and in the endeavor of building a business around such drugs. Also, interim results of a clinical trial are not necessarily indicative of final results and one or more of the clinical outcomes may materially change following more comprehensive reviews of the data, as patient enrollment continues, and as more patient data become available, including the risk that unconfirmed responses may not ultimately result in confirmed responses to treatment after follow-up evaluations. In light of these risks, uncertainties, contingencies and assumptions, the events or circumstances referred to in the forward-looking statements may not occur. For a further list and description of the risks and uncertainties that the Company faces, please refer to the Company’s periodic and other filings with the Securities and Exchange Commission, which are available at [www.sec.gov](http://www.sec.gov). Such forward-looking statements are current only as of the date they are made, and the Company assumes no obligation to update any forward-looking statements, whether as a result of new information, future events, or otherwise. The trademarks included herein are the property of the owners thereof and are used for reference purposes only. Such use should not be construed as an endorsement of such products.

This presentation concerns therapeutic product candidates that are in preclinical and clinical development and which have not yet been approved for marketing by the U.S. Food and Drug Administration. They are currently limited by federal law to investigational use, and no representation is made as to their safety or effectiveness for the purposes for which they are being investigated.

Certain data in this presentation are based on cross-study comparisons and are not based on any head-to-head clinical trials. Cross-study comparisons are inherently limited and may suggest misleading similarities or differences. Actual results may differ from these comparisons. Differences exist between study or trial designs and subject characteristics, and caution should be exercised when comparing data across studies.

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

## JANX007

- PSMAxCD3-TRACTr to treat mCRPC demonstrated substantial clinical activity
  - Today's update focuses upon efficacy and safety data supporting selection of two step dose regimens for pre-Pluvicto 2L and 3L Phase 1b studies

## JANX008

- EGFRxCD3-TRACTr providing entry point into multiple large indications
  - Dose escalation ongoing

## Pipeline and Platform

- Clinical data demonstrates TRACTr can potentially improve safety *and* efficacy compared to contemporary TCEs
  - Multiple programs in development moving to clinical studies

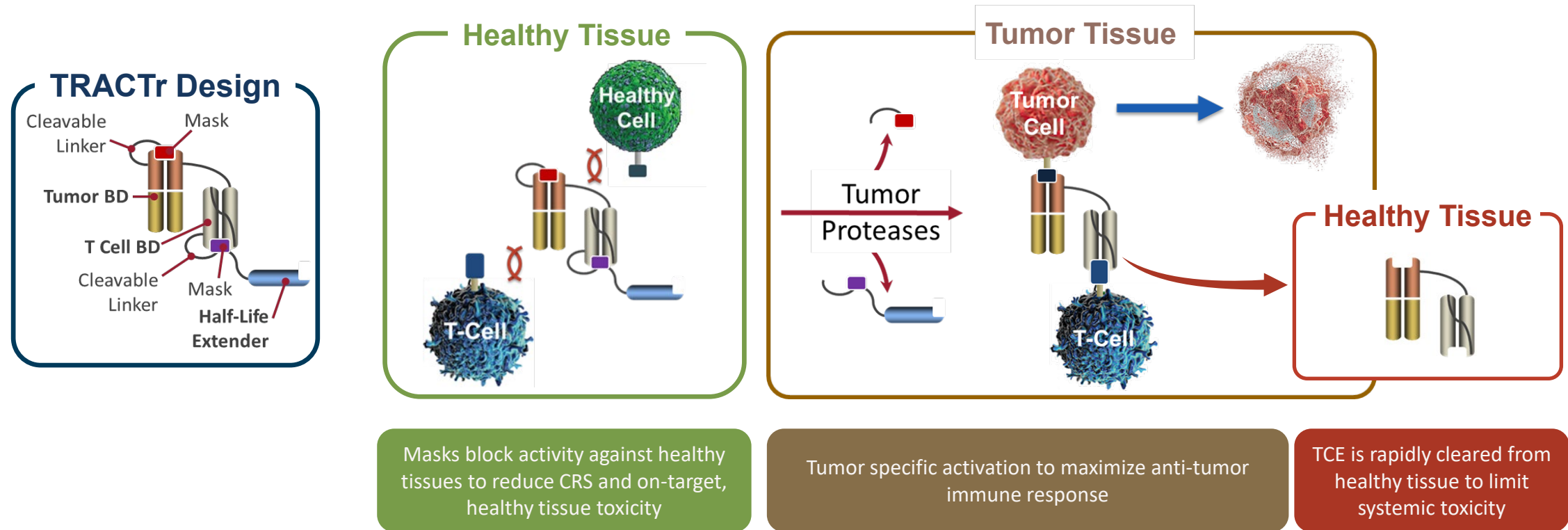
## Cash Position

- Robust cash position of \$658M\* to support program advancement and operating plan through 2027, including PSMAxCD3 and EGFRxCD3 Phase 1b expansion studies

*\*As of Sept 30, 2024, includes cash and cash equivalents*

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

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

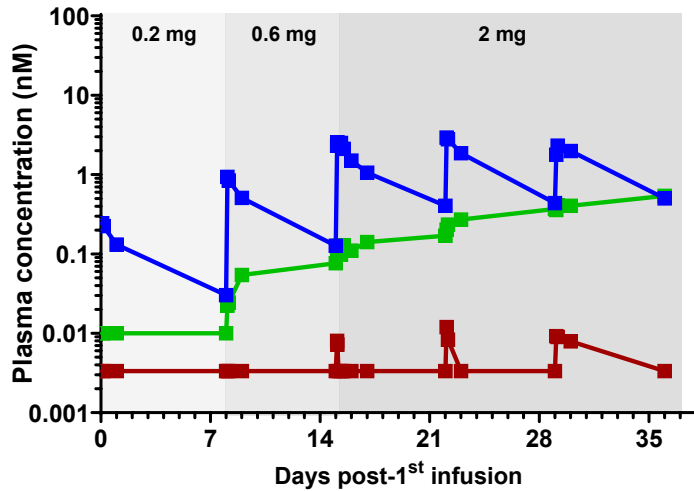


Emerging JANX007 clinical data demonstrates TRACTr platform can potentially improve both safety *and* efficacy compared to contemporary TCEs

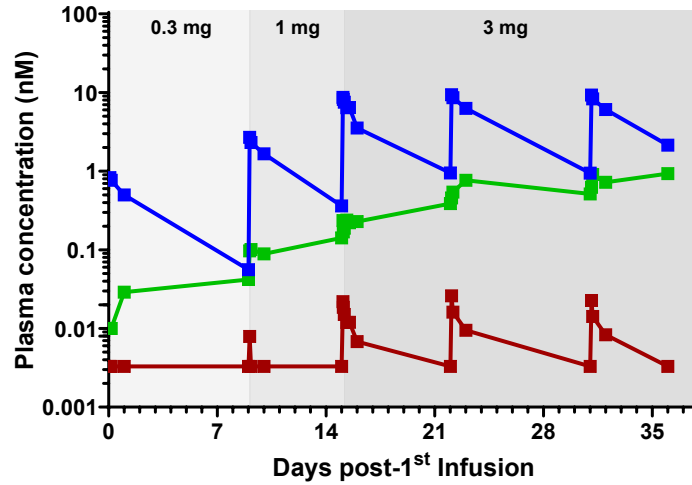
# JANX007 clinical PK data continues to be consistent with TRACTr design principles

## *Prolonged TRACTr exposure with minimal accumulation of activated TCE*

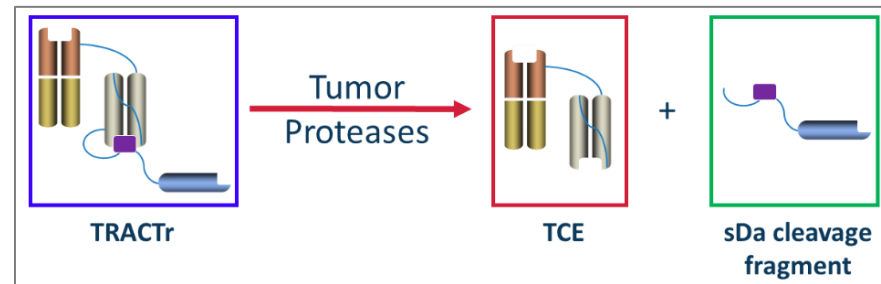
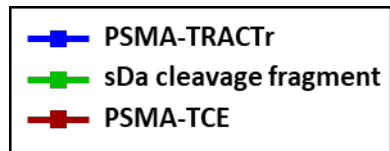
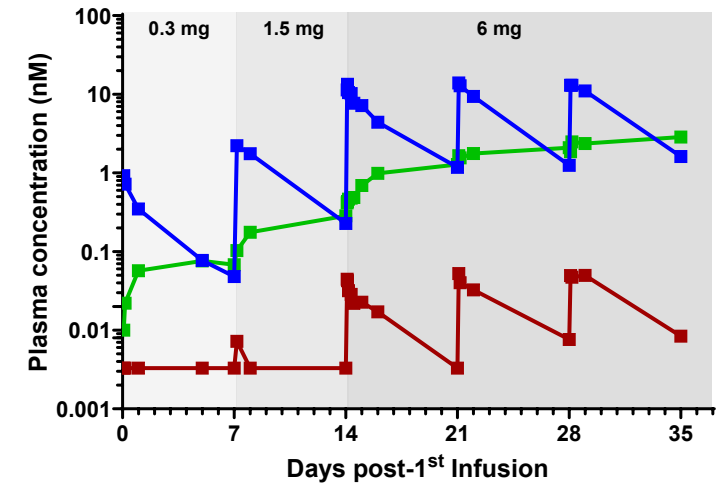
0.2/0.6/2 mg (single patient)



0.3/1/3 mg (single patient)



0.3/1.5/6 mg (single patient)



Systemic levels of activated TCE remain more than 100-fold lower than TRACTr across doses

- Consistent with NHP safety studies and TRACTr design -

# JANX007 Update

*Resetting the bar in prostate cancer*

# JANX007 clinical development focusing upon pre-Pluvicto 2L and 3L settings

Deep and durable PSA declines coupled with a well tolerated safety profile supports development in early lines of treatment

	1L (80k)	2L				3L+
<i>JANX007</i>		Enzalutamide	Abiraterone	Docetaxel	PARPi combo	Pluvicto + SOC
<i>Future Patient Opportunity</i>						
	<b>1L treated pts: (US + EU5)</b>	19K	21K	20K	6K	<b>Patients: (US + EU5)</b> 27K
	<b>2L PFS: (months)</b>	Abi – 2.9 Doc - 6.8	Enza - 8.1 Doc - 4.4	Enza - 8.3 Abi - 5.6	NA	<b>3L PFS: (months)</b> 8.7

Janux P1b will have readthrough into a potential multibillion dollar opportunity in 2L mCRPC

# JANX007 dose escalation schema and update focus

*QW cohorts prioritized to establish safety and efficacy profiles*

## Eligibility Criteria

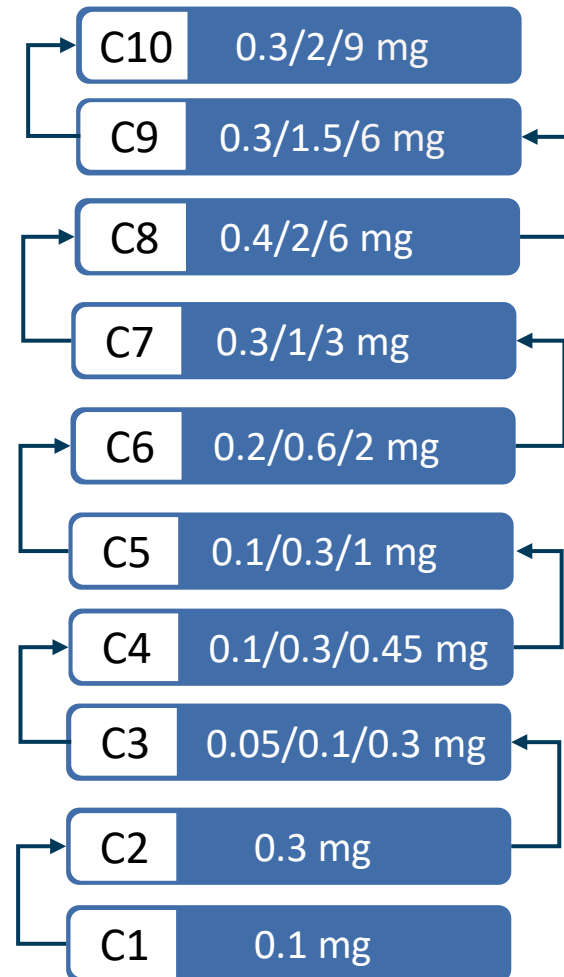
- Male ≥18 years of age at the time of signing informed consent
- Histologically or cytologically confirmed adenocarcinoma of the prostate
- mCRPC that progressed after ≥ 1 novel anti-androgen therapy and ≥ 1 taxane containing regimen. Participants that refused a taxane or are medically unsuitable to receive a taxane are eligible
- Adequate organ function

Patients not selected for PSMA expression

## Objectives

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

## QW Dose Evaluations



Current update cohort focus (n = 16)\*

## Ongoing Dose Evaluations

- QW 0.3/2/12 mg
- Q2W backfill cohorts with ≥3 mg target dose

February 2024 update cohort focus

Data cutoff: November 15, 2024; \*Excludes patients previously exposed to Pluvicto



# JANX007 patient characteristics

## *Heavily pre-treated patients with a median of 4 prior lines of therapy*

Characteristic	Patients with target dose $\geq 2$ mg QW n=16
Median age, years (range)	71.5 (54 – 79)
Race, white / black / not reported, %	88 / 6 / 6
ECOG PS 0 / 1, n (%)	7 (44) / 9 (56)
PSMA positive at baseline, n (%)	16 (100)
Number of prior lines of therapy for mCRPC*, median (range)	4 (1 – 8)
$\geq 4$ prior lines, n (%)	9 (56)
<b>Prior systemic therapy, n (%)</b>	
AR inhibitor	16 (100)
Docetaxel	10 (63)
PARP inhibitor	2 (13)
Cabazitaxel	2 (13)
PSMA-targeting radioligand therapy (RLT)	0 (0)
<b>Bone metastases, n (%)</b>	15 (94)
<b>Lymph node metastases, n (%)</b>	11 (69)
<b>Visceral metastases, n (%)</b>	3 (19)
Lung, n (%)	2 (13)
Liver, n (%)	1 (6)
Adrenal, n (%)	1 (6)
<b>Baseline PSA, ng/mL, median (range)</b>	80.9 (1.03 – 1991.6)

\*Number of prior lines of therapy does not include androgen deprivation therapy

# JANX007 highly competitive clinical data profile supports development in early lines of therapy

## Increased Response Rate\*

Patients with  $\geq 50\%$  PSA reduction

Feb 2024:  83%

Dec 2024:  100%

## Deepening PSA Declines\*

Patients with  $\geq 90\%$  PSA reduction

PSA90: 17%  $\rightarrow$  63%

PSA99: 0%  $\rightarrow$  31%

## Improved PSA Durability\*

PSA declines thru 12wks

$\geq$ PSA50 at 12-weeks: NE  $\rightarrow$  75%

$\geq$ PSA90 at 12-weeks: NE  $\rightarrow$  50%

## Resistance Driver Activity

AR mutants, variant-7, amplifications;  
BRCA1/2, PI3K, PTEN, TP53

PSA50 100%, PSA90 54%

## Well-Tolerated

- CRS and TRAEs primarily limited to Cycle 1 and lower grades
- MTD has not been reached

## Encouraging Anti-Tumor Activity

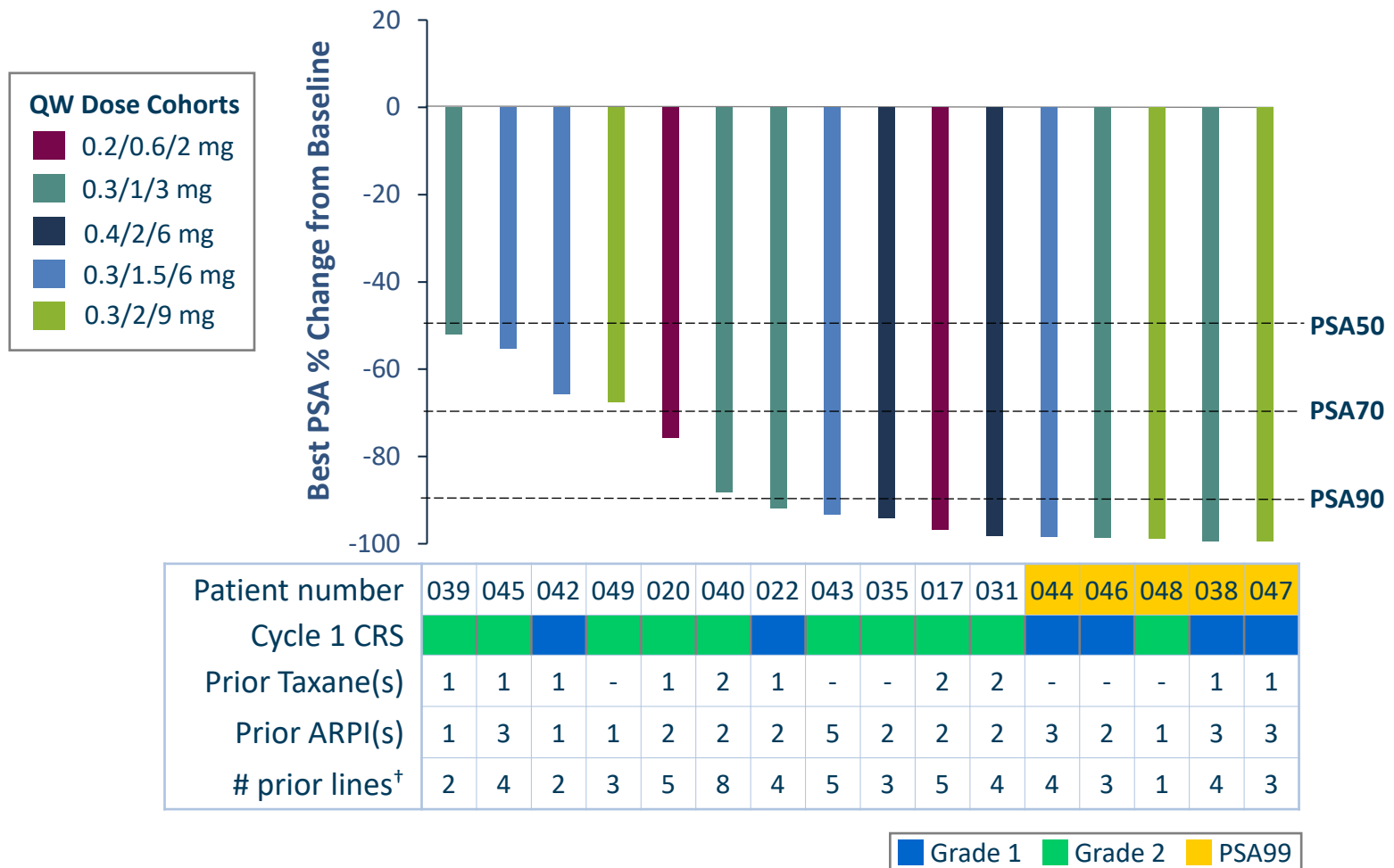
ORR<sup>†</sup>:  50%

DCR<sup>†</sup>:  63%

\*February 2024 vs December 2024 updates; <sup>†</sup>Includes confirmed and unconfirmed

# Deep PSA declines coupled with predictable, transient and easily managed CRS in 5L pts

*Response rate not impacted by prior therapies*



- JANX007 drove rapid and deep PSA declines
  - 100% PSA50, 63% PSA90, 31% PSA99
- Competitor PSA50/90 levels\*
  - 48% / 28% with 3L Pluvicto + SOC
  - 50% / 28% with 4L AMG509
- High PSA response rate regardless of prior taxane/ARPI treatment
- CRS was predictable, transient and easily managed
  - Primarily occurs in cycle 1
  - Onset and duration in day 1

**% CRS by grade in cycle 1**

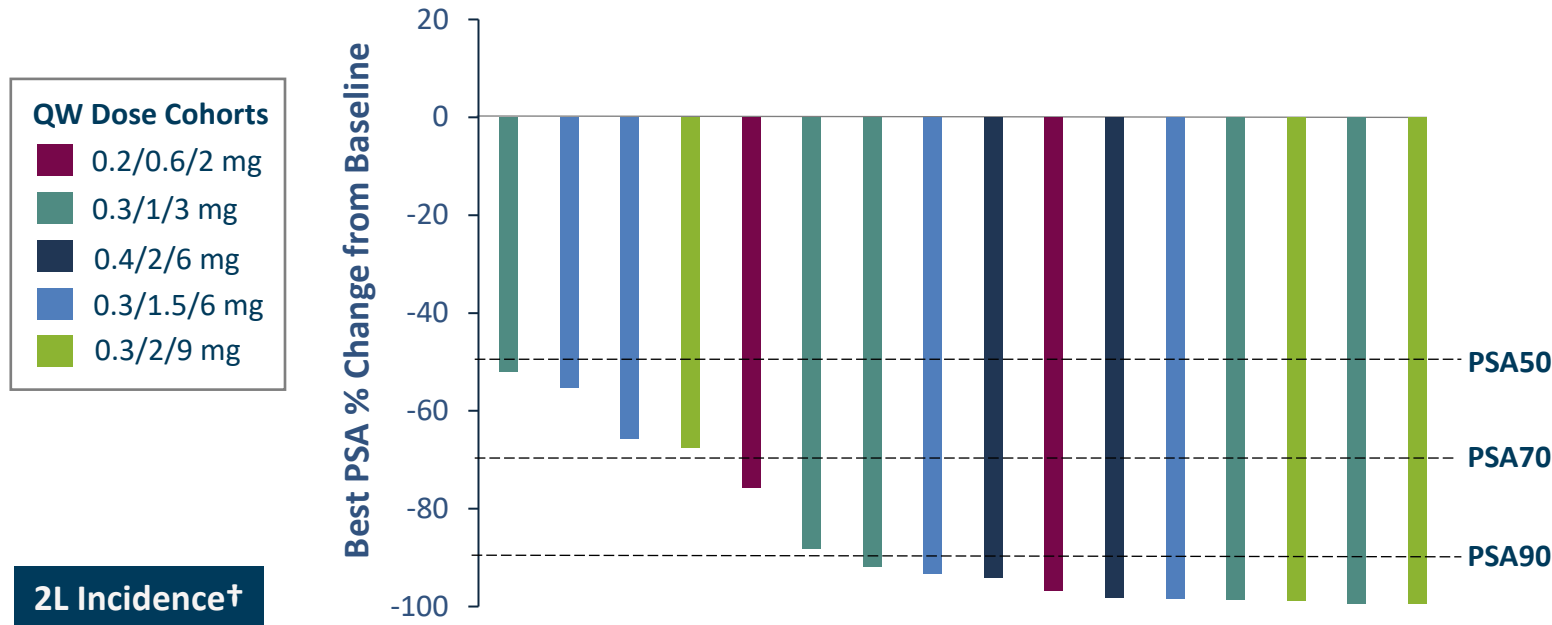
Deep PSA declines in heavily treated 5L patient population regardless of prior taxane and ARPI use

<sup>†</sup>Excludes ADT; \*This information is provided for illustrative purposes only and is not a head-to-head comparison



# Deep PSA responses irrespective of resistance driver aberration status

*JANX007 retained full activity against wild-type and resistant patient populations*



- Patients harboring key resistance drivers (n = 13)
  - 100% PSA50, 54% PSA90, 23% PSA99
- WT patients (n = 3)
  - 100% PSA90, 67% PSA99
- Provides potential opportunity to:
  - Treat broader patient segments
  - Combine with approved drugs

2L Incidence†																	
12K	AR-mutant					L,T	L,H					L				T	L,T
18K	AR-V7	+	+	+	+	+		+			+					+	+
18K	AR-amp		+	+	+						+						
17K	*HRRm			+	+	+				+			+			+	+
12K	Other		+	+	+	+	+				+	+				+	+

AR-mutants  
L: L702H; H: H875Y; T: T878A/S

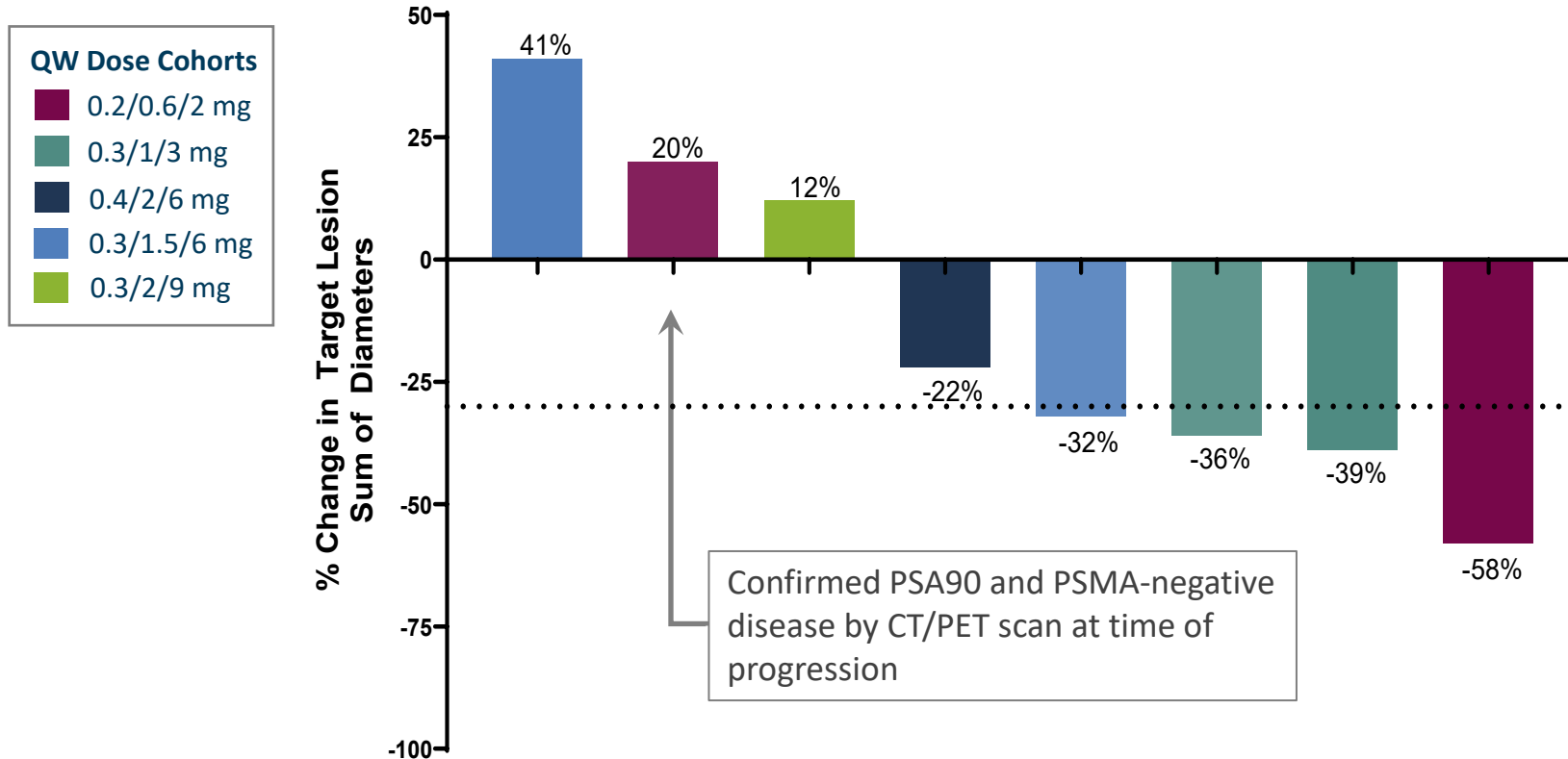
Other  
p53, MYC, PI3K, PTEN, TMPRSS2

JANX007 demonstrated robust activity against wildtype and major drug resistance driver mutations/aberrations

\*Mutations within either of 13 HRR genes in Foundation One Panel; †US/EU incidence



# Encouraging anti-tumor responses in RECIST evaluable 5L patients supports progression to Ph1b studies



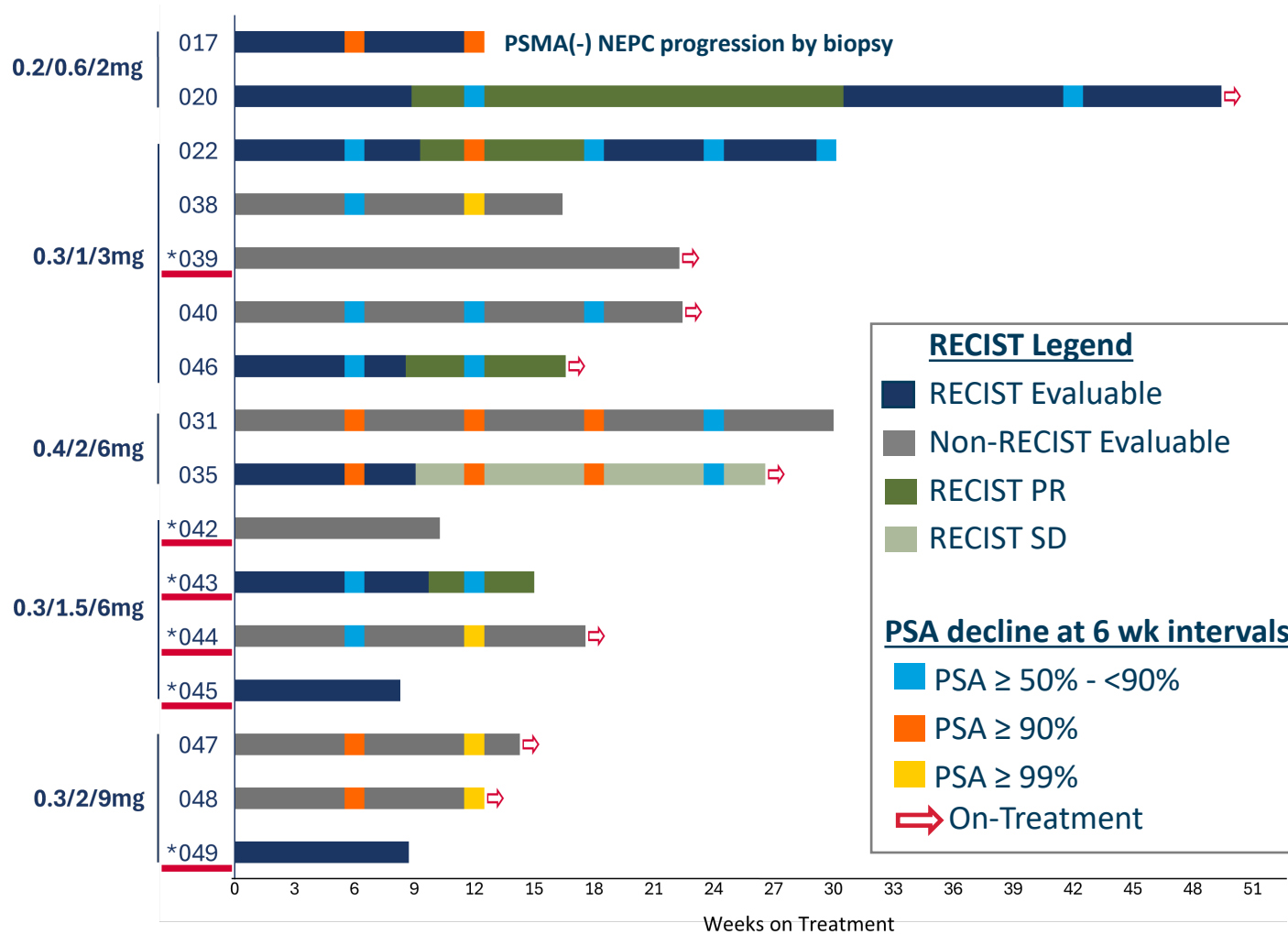
- Early indication of significant anti-tumor activity
- 5/8 patients had tumor reductions from baseline
- 4/8 patients had  $\geq 30\%$  tumor reductions from baseline
- 50% ORR<sup>†</sup>, 63% DCR<sup>†</sup>
- Competitor results\*\*
  - 30% ORR with 3L Pluvicto + SOC
  - 20% ORR with 4L AMG509

Patient number	045	017	049	035*	043	046*	022	020*
Best response	PD	PD	PD	SD	uPR	uPR	uPR	cPR
PSA at 12wks	NA	PSA90	NA	PSA90	PSA50	PSA50	PSA90	PSA50

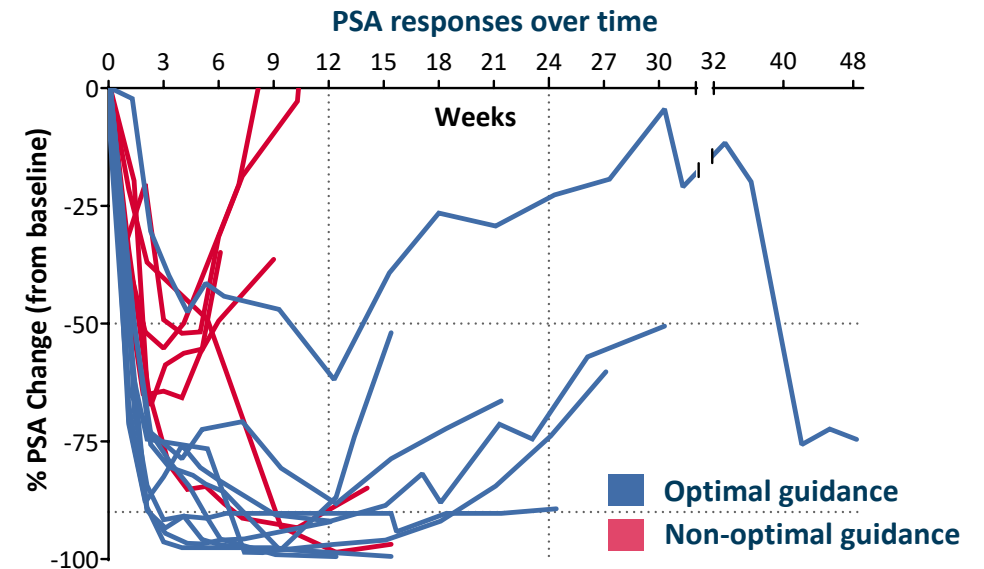
\*Treatment ongoing; <sup>†</sup>Includes confirmed and unconfirmed;

\*\*This information is provided for illustrative purposes only and is not a head-to-head comparison

# Encouraging early signs of durability with JANX007



- Deep and durable PSA declines in both measurable and bone only disease
- ≥ PSA50 at 12wks = 75%
- ≥ PSA90 at 12wks = 50%
- Encouraging early RECIST anti-tumor responses
- ORR<sup>†</sup> = 50%

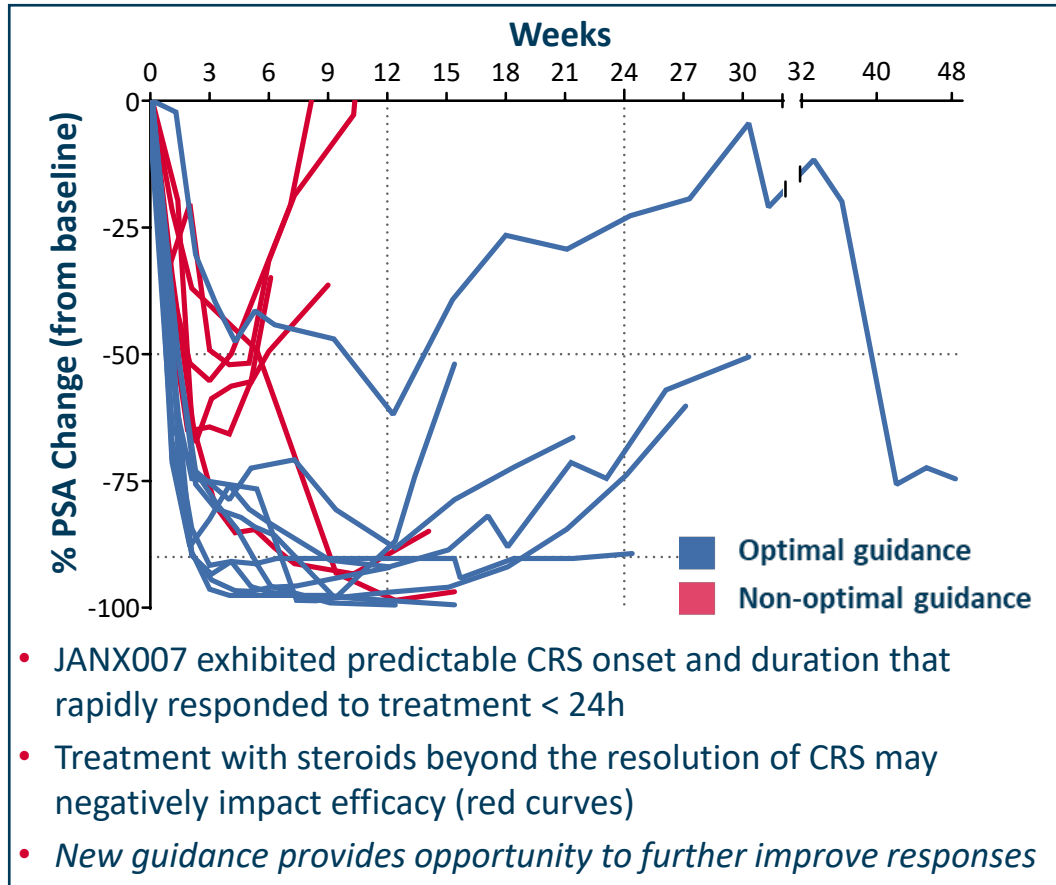


Encouraging depth and durability of PSA declines supports development in earlier lines of therapy

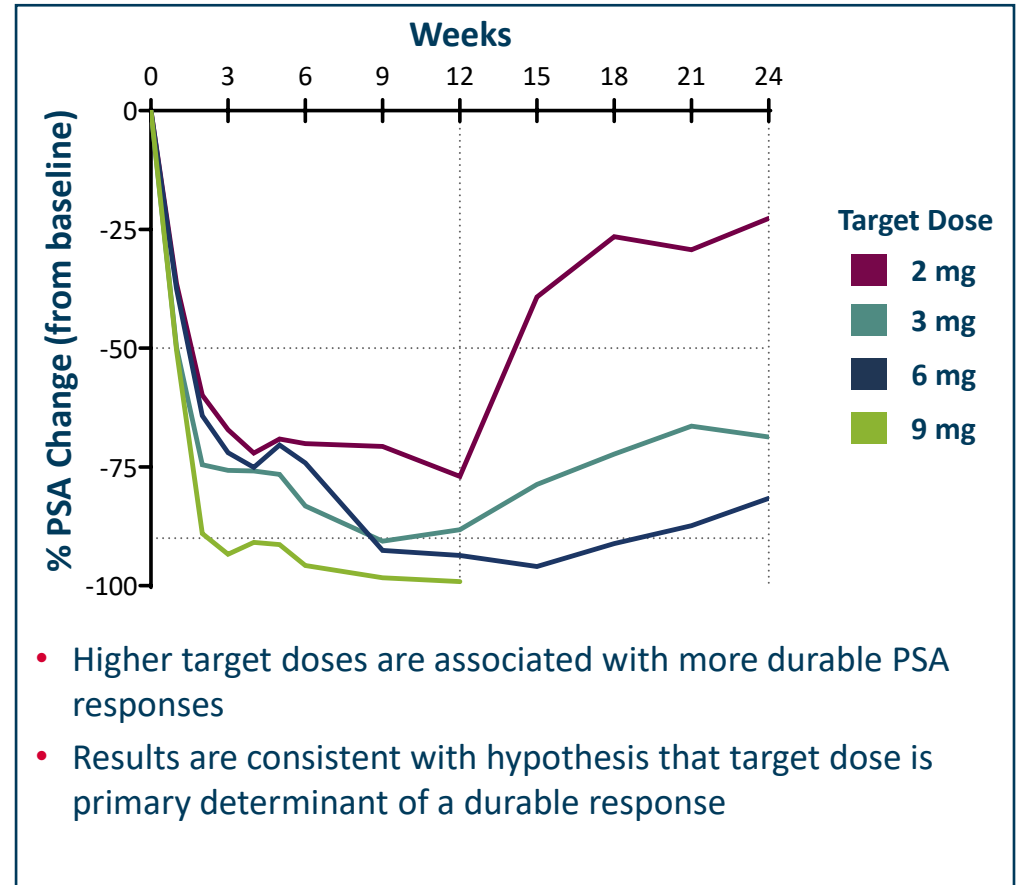
\*Non-optimal treatment guidance; †Includes confirmed and unconfirmed

# Treatment guidance optimization and target dose escalation

Impact of modified guidance on PSA declines



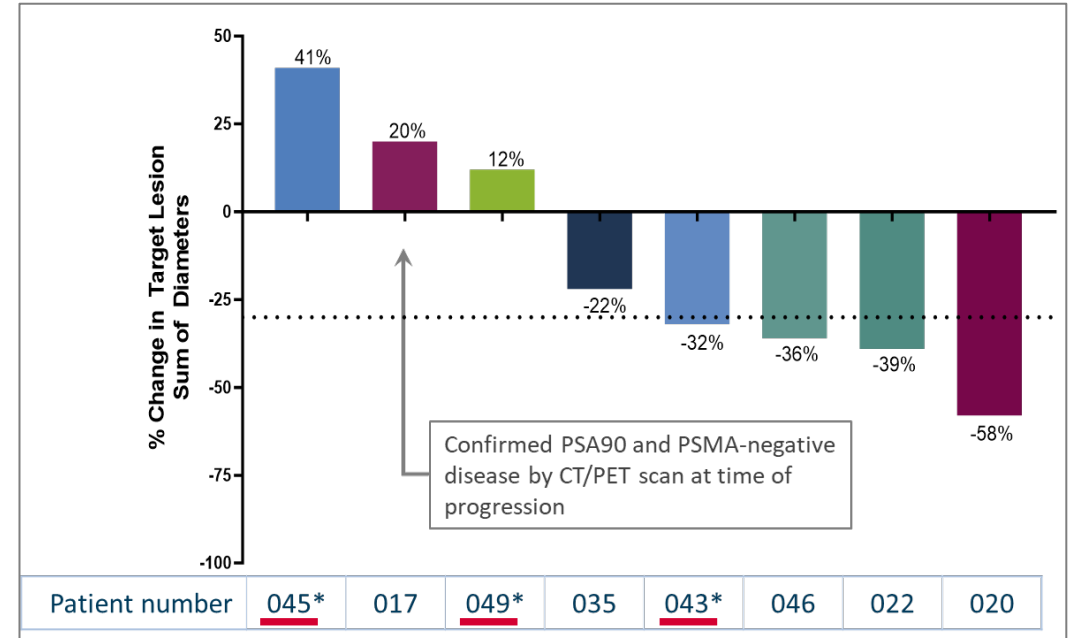
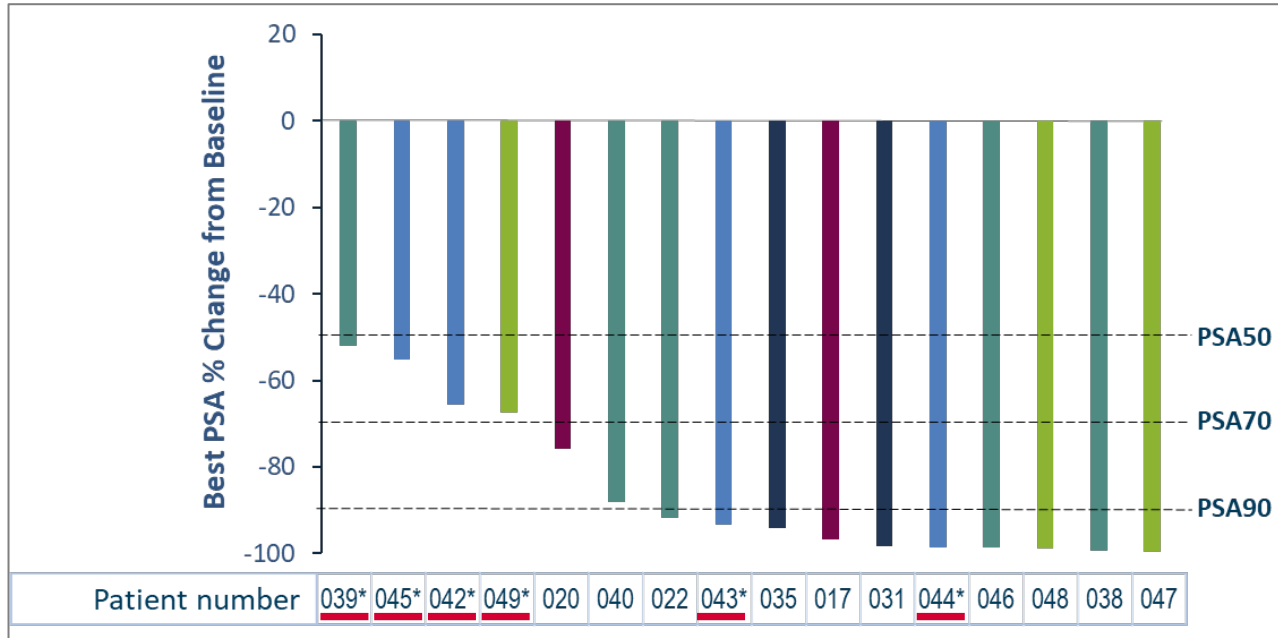
PSA durability is target dose dependent (median PSA\*)



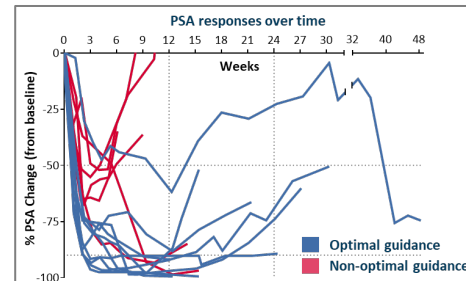
Optimized dosing guidance and increased target dose results provide attractive path forward

\*Median PSA response by target dose (includes interpolated values)

# Potential impact of treatment guidance optimization



- QW Dose Cohorts**
- 0.2/0.6/2 mg
  - 0.3/1/3 mg
  - 0.4/2/6 mg
  - 0.3/1.5/6 mg
  - 0.3/2/9 mg



Improved treatment guidance provides an opportunity to further improve JANX007 responses

\*Non-optimal guidance



# JANX007 was well tolerated with a predictable safety profile



## Majority of TRAEs occur in Cycle 1

- Highest event incidence after step 1 dose
- CRS events in C2+ are infrequent and primarily associated with intra-patient escalation and/or extended treatment delays

*\*CRS mitigation non-conformance: in a single patient JANX007 was administered in Cycle 5 without appropriate CRS mitigation following an extended dose delay (rabies exposure) leading to a G3 CRS event. Subject has received multiple doses since the event with no recurrence of CRS.*

## All TRAEs in ≥ 15% of patients

Event	Cycle 1	Cycle 2	Cycle 3+
% TRAEs	71%	19%	10%
% of all ≥ G3 events	74%	19%	7%

CRS and TRAEs have been transient and predominantly occurred in cycle 1

# Predictable safety profile in patients treated with weekly target dose $\geq 2$ mg

Preferred Term	TRAEs (max grade) in $\geq 15\%$ of patients (n=16)			
	Grade 1	Grade 2	Grade $\geq 3$	All Grades
Cytokine release syndrome	6 (38)	9 (56)	1 (6)	16 (100)
ALT increased*	6 (38)	3 (19)	3 (19)	12 (75)
AST increased*	5 (31)	1 (6)	6 (38)	12 (75)
Diarrhea	4 (25)	5 (31)	2 (13)	11 (69)
Vomiting	1 (6)	10 (63)	0	11 (69)
Fatigue	4 (25)	5 (31)	1 (6)	10 (63)
Dysgeusia	8 (50)	1 (6)	0	9 (56)
Nausea	2 (13)	7 (44)	0	9 (56)
Rash	4 (25)	5 (31)	0	9 (56)
Hypophosphatemia	3 (19)	5 (31)	1 (6)	9 (56)
Chills	4 (25)	4 (25)	0	8 (50)
Hypoacusis	4 (25)	1 (6)	1 (6)	6 (38)
Dry mouth	5 (31)	0	0	5 (31)
Headache	4 (25)	1 (6)	0	5 (31)

Preferred Term	TRAEs (max grade) in $\geq 15\%$ of patients (n=16)			
	Grade 1	Grade 2	Grade $\geq 3$	All Grades
Anemia**	1 (6)	1 (6)	2 (13)	4 (25)
Arthralgia	1 (6)	3 (19)	0	4 (25)
Blood bilirubin increased	0	3 (19)	1 (6)	4 (25)
Decreased appetite	2 (13)	2 (13)	0	4 (25)
Myalgia	2 (13)	2 (13)	0	4 (25)
Platelet count decreased	3 (19)	0	1 (6)	4 (25)
Blood alk phos increased	2 (13)	0	1 (6)	3 (19)
Blood LDH increased	3 (19)	0	0	3 (19)
Hypoalbuminemia	2 (13)	1 (6)	0	3 (19)
Hypotension	1 (6)	2 (13)	0	3 (19)
INR increased	3 (19)	0	0	3 (19)
Oedema peripheral	3 (19)	0	0	3 (19)
Pruritus	1 (6)	2 (13)	0	3 (19)

CRS graded by ASTCT 2019 criteria; all non-CRS TRAEs assessed per NCI-CTCAE v5.0

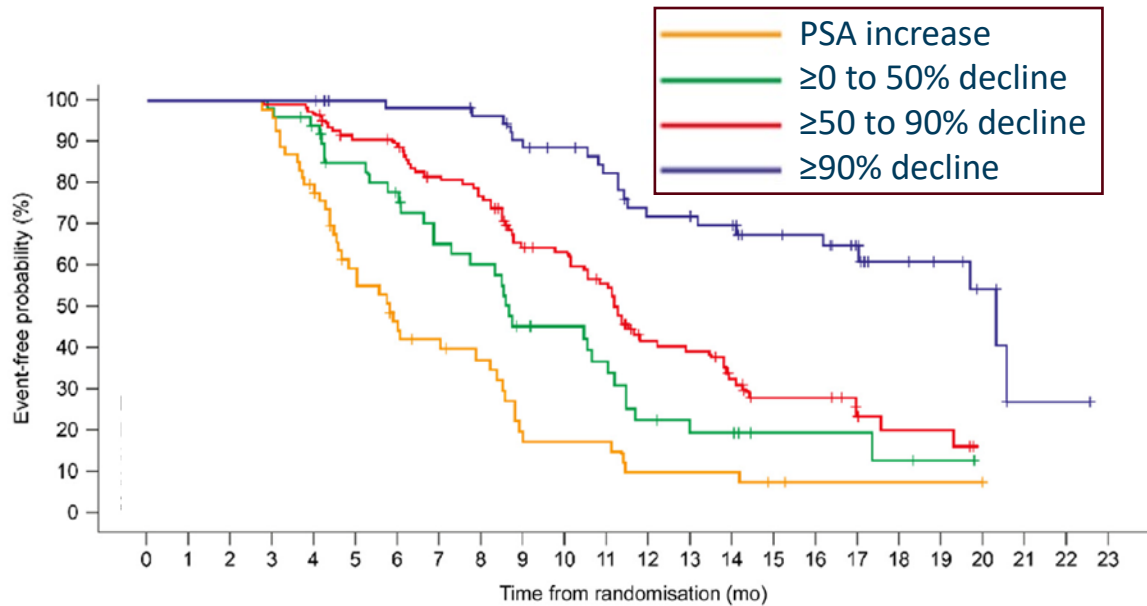
Majority of TRAEs were transient, predictable and known to be associated with CRS

\*Transient and asymptomatic AST/ALT elevations

\*\*G3 anemia reported in 2 patients with G1/2 at baseline

# Pluvicto VISION study correlated PSA declines up to 12 weeks with rPFS and OS

Pluvicto's rPFS by PSA decline at 12 weeks



Encouraging 12-week PSA durability with JANX007

12wk PSA Range	JANX007 (5L)	Pluvicto + SOC (3L)		
		% pts	rPFS	mOS
PSA increase	6%	29%	5.8	9.8
≥0 to <50%	0%	17%	8.7	14.0
≥50 to <90%	25%	28%	11.3	18.3
>90%	50%	15%	20.3	NE

- A high percentage of JANX007 treated-patients maintained PSA declines  $\geq$ PSA50 and PSA90 at 12 weeks and supports an anticipated survival benefit

JANX007 high rate of PSA50 and PSA90 declines at 12 weeks supports opportunity to achieve meaningful PFS/OS

Armstrong, 2024; Information provided above is for illustrative purposes only and is not a head-to-head comparison

# JANX007 5L study demonstrated compelling PSA declines and durability

Characteristic	Median Tx line	mPFS	ORR	Best PSA decline ≥ 50%	Best PSA decline ≥ 90%	≥ PSA50 at 12wks**	≥ PSA90 at 12wks**
<b>JANX007</b> (≥ 2mg target)	<b>5L</b>	7.4 mo <sup>†</sup> (8/16 IP*)	<b>++50%</b>	<b>100%</b>	<b>63%</b>	<b>75%</b>	<b>50%</b>
<b>Pluvicto + SOC</b> (7.4 GBq)	<b>3L</b>	8.7 mo (SOC 3.4 mo)	<b>30%</b>	<b>48%</b>	<b>28%</b>	<b>43%</b>	<b>15%</b>
<b>AMG509</b> (≥ 0.75 mg target)	<b>4L</b>	7.8 mo	<b>20%</b>	<b>50%</b>	<b>28%</b>	<b>24%</b>	NR
<b>ARX517</b> (≥ 2 mg)	<b>5L</b>	NR	<b>25%</b>	<b>52%</b>	<b>26%</b>	NR	NR

JANX007 - December 2024; Pluvicto - Sartor 2021, Armstrong 2024; AMG509 – Kelly, ESMO 2024; ARX517 - Shen, ESMO 2023  
Information provided above is for illustrative purposes only and is not a head-to-head comparison

**JANX007 has the potential to change the treatment landscape in prostate cancer**

\*IP = in-progress; <sup>†</sup>Median PFS calculation limited by small sample size and duration of follow-up, ongoing patients censored at the time of cut-off; \*\*PSA50(90) at 12wks / patients treated; ++Includes confirmed and unconfirmed

# Current 2L mCRPC treatments highlight the opportunity for JANX007

*JANX007 5L results compare favorably to 2L drugs*

5L Treatment		PFS (months)	ORR <sup>†</sup>	PSA90	PSA50
JANX007		7.4*	50%	63%	100%

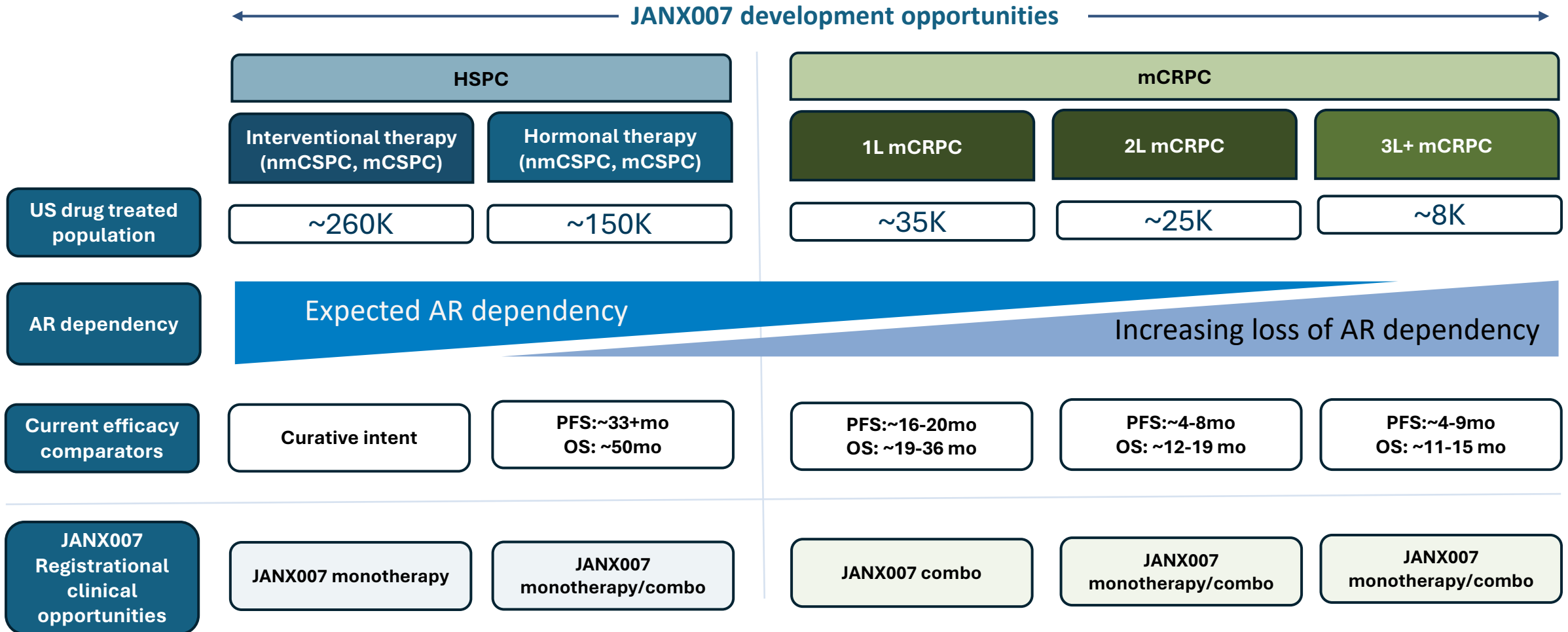
  

1L Treatment	2L	PFS (months)	ORR	PSA90	PSA50
Enzalutamide	Abi	2.9	0%	1%	13%
	Doc	6.8	39%	3%	43%
Abiraterone	Enza	8.1	12%	12%	29%
	Doc	4.4	11%	6%	35%
Docataxel	Abi	5.6	14%	25%	48%
	Enza	8.3	29%	25%	54%
ARPi or Abi	Pluvicto	11.6	50%	33%	58%

- Pluvicto in earlier line treatment (2L vs 3L) - PFS improved by 35-40% (12 vs 8.7 months) -

<sup>†</sup>Includes confirmed and unconfirmed; \*8/16 patients in-progress;  
Information provided above is for illustrative purposes only and is not a head-to-head comparison

# JANX007 is positioned to treat patients across the continuum of prostate cancer care



JANX007 has the potential to address a broad segment of prostate cancer patients

# JANX007 – resetting the bar in prostate cancer

High rate of rapid, deep and durable responses, coupled with a predictable and well tolerated safety profile supports development in early lines of treatment

## High PSA Response Rate

Patients with >50% PSA reduction

100%

## Deep PSA Declines

PSA90: 63%

PSA99: 31%

## Durable PSA Declines at 12wks

PSA50: 75%

PSA90: 50%

## Resistance Driver Activity

AR mutants, variant-7, amplifications;  
BRCA1/2, PI3K, PTEN, TP53

PSA50 100%, PSA90 54%

## Well-Tolerated

- CRS and TRAEs primarily limited to Cycle 1 and lower grades
- MTD has not been reached

## Encouraging Anti-Tumor Activity

ORR<sup>†</sup>: 50%

DCR<sup>†</sup>: 63%

Encouraging early data highlights potential for best-in-treatment opportunity

<sup>†</sup>Includes confirmed and unconfirmed

# JANX007 – clinical plans and opportunities

## Large Opportunity

- JANX007's unique MoA generated safety window potentially enables substantial efficacy in heavily treated patients
  - Clinical development plan will focus upon pre-Pluvicto 2L and 3L patients

## Proof-of-Principle

- Two QW step dose regimens identified for Phase 1b expansion studies directed at pre-Pluvicto 2L and 3L patients
  - 0.3/1.5/6mg and 0.3/2/9 mg
- Ongoing Phase 1a evaluations:
  - Q2W dosing >3 mg target dose to identify Q2W regimen for project Optimus evaluation
  - QW 0.3/2/12 mg to evaluate safety window and determine if efficacy has plateaued

## Forward Momentum

- Combination of efficacy and well tolerated safety profile positions JANX007 to move into early lines of therapy
- Positive data in 2L enzalutamide combo and 3L Optimus studies provides opportunity to move JANX007 into earlier lines of therapy





[JanuxRx.com](http://JanuxRx.com)

David Campbell, Ph.D.  
President and CEO

10955 Vista Sorrento Parkway  
San Diego, CA 92130  
[dcampbell@januxrx.com](mailto:dcampbell@januxrx.com)

