

Building a Leading ADC- Focused Company

Nasdaq: PYXS
April 2024



Forward-Looking Statements

This presentation contains forward-looking statements for the purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995 and other federal securities laws. These statements are often identified by the use of words such as “anticipate,” “believe,” “can,” “continue,” “could,” “estimate,” “expect,” “intend,” “likely,” “may,” “might,” “objective,” “ongoing,” “plan,” “potential,” “predict,” “project,” “should,” “to be,” “will,” “would,” or the negative or plural of these words, or similar expressions or variations, although not all forward-looking statements contain these words. We cannot assure you that the events and circumstances reflected in the forward-looking statements will be achieved or occur and actual results could differ materially from those expressed or implied by these forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those identified herein, and those discussed in the section titled “Risk Factors” set forth in Part II, Item 1A. of the Company’s Annual Report on Form 10-K filed with SEC on March 21, 2024, and our other filings, each of which is on file with the Securities and Exchange Commission. These risks are not exhaustive. New risk factors emerge from time to time, and it is not possible for our management to predict all risk factors, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. In addition, statements that “we believe” and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date hereof and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain, and investors are cautioned not to unduly rely upon these statements. Except as required by law, we undertake no obligation to update any forward-looking statements to reflect events or circumstances after the date of such statements. We operate in a very competitive and rapidly changing environment. New risks emerge from time to time, and it is not possible for our management to predict all risks, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements we may make. In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances described in this presentation may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements contained in this presentation.

Market & Industry Data

This presentation contains estimates, projections and other information concerning our industry, our business and the markets for our product candidates. This information is based on estimates, forecasts, projections, market research or similar methodologies is inherently subject to uncertainties, assumptions and limitations, and actual events or circumstances may differ materially from events and circumstances that are assumed in this information. Unless otherwise expressly stated, we obtained this industry, business, market and other data from our own internal estimates and research as well as from reports, research surveys, studies and similar data prepared by market research firms and other third parties, industry, medical and general publications, government data and similar sources. While we are not aware of any misstatements regarding any third-party information in this presentation, their estimates, in particular, as they relate to projections, involve numerous assumptions and limitations, are subject to risks and uncertainties and are subject to change. We have not independently verified any of the third-party information. You are cautioned not to give undue weight to any such information, projections and estimates.

Trademarks

This presentation contains references to trademarks and service marks belonging to other entities. Solely for convenience, trademarks and trade names referred to in this presentation may appear without the ® or ™ symbols, but such references are not intended to indicate, in any way, that the applicable licensor will not assert, to the fullest extent under applicable law, its rights to these trademarks and trade names. We do not intend our use or display of other companies’ trade names, trademarks or service marks to imply a relationship with, or endorsement or sponsorship of us by, any other companies.

PYXS: Building the Next Leading ADC-Focused Company

**ADC-Focused with
Opportunistic Bets
in I/O**

**Clinical-Stage
Portfolio with 2024
Data Catalysts**

**Deeply Experienced
Team with Proven
Track Record in
Both Pharma and
Biotech**

**Strong Balance
Sheet with \$173M
in Cash Provides
Runway into 2H
2026**

Executive Leadership Team



Lara Sullivan, MD
CEO



Pam Connealy, MBA
CFO & COO



Ken Kobayashi, MD, FACP
CMO



Jan Pinkas, PhD
CSO



Xiaodong Yang, MD, PhD
Distinguished Research
Fellow



Balu Balasubramanian, PhD
CTO



PYXS Team Members Have Collectively Contributed to >60 Oncology Drug Approvals

Pipeline Focused on Difficult-to-Treat Tumors

Program	Discovery	Preclinical	Phase 1	Phase 2	Phase 3	Next Milestone
Antibody-Drug Conjugate (ADC)						
PYX-201 (anti-EDB)	<div>Various solid tumors</div>					Preliminary data in Fall 2024
Immuno-Oncology (I/O)						
PYX-106 (anti-Siglec-15)	<div>Various solid tumors</div>					Preliminary data in 2H 2024
PYX-107 sotigalimab (CD40 agonist)	<div>Melanoma</div>					Paused
	<div>Liposarcoma (LPS)</div>					

PYX-201 is a First-in-Concept and First-in-Class ADC that Binds to EDB+FN within the Tumor Stroma and may Address Multiple Difficult-to-Treat Tumors

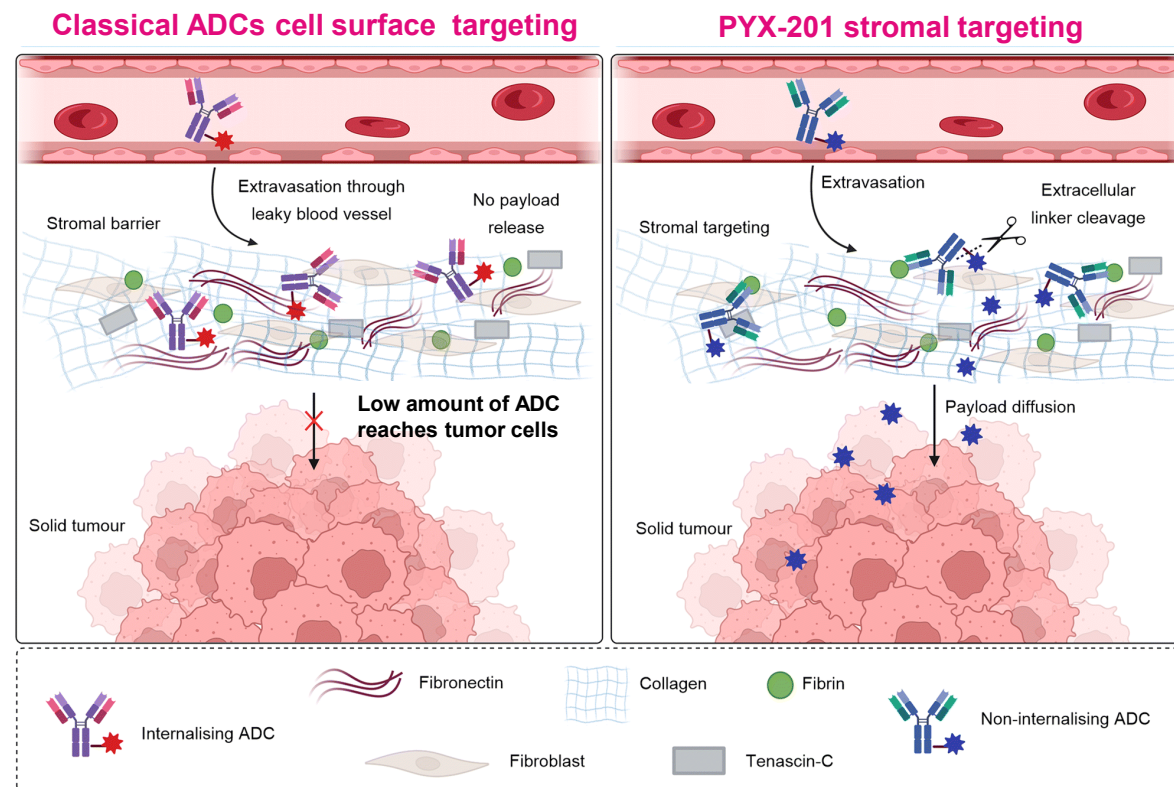
PYX-201 targets an antigen contained within the tumor stroma and releases its payload extracellularly, diffusing into nearby tumor cells

Why target the stroma?

- The stroma provides a lifeline necessary for tumor growth in solid tumors
- Stroma includes the extracellular matrix, tumor vasculature, cancer-associated fibroblasts and mesenchymal stromal cells that make up the TME
- Provides protection, structural support, nutrition and waste product removal; can also enable drug resistance that allows tumor to survive

How to target the stroma and kill cancer cells?

- EDB+FN is a protein upregulated in tumor stroma and associated with tumor growth, angiogenesis, and metastases
- As a result, EDB+FN is highly expressed in many solid tumors and has low expression in normal adult tissue
- PYX-201 targets the stroma via EDB+FN, then releases its toxic payload extracellularly in the tumor microenvironment, presumably diffusing into, and killing, nearby tumor cells



Source: Ashman, et al., Chem. Soc. Rev., 2022,51

**Kadcyla (HER-2), Enhertu (HER-2),
Padcev (Nectin-4) , Elahere (FRA),
Tivdak (TF), Trodelvy (TROP-2)**

PYX-201 (EDB+FN)

Tumor Stroma is an Exciting Opportunity for ADC Modality

- Many of the proteases found intracellularly in endosomes and lysosome are also found outside the cell and are involved in disease pathologies including cancer*



- The Tumor Micro-Environment (TME) is acidic (i.e., pH between 6.4 to 7.0) compared to normal physiologic pH of 7.4** and immune responses can be attenuated in an acidic TME

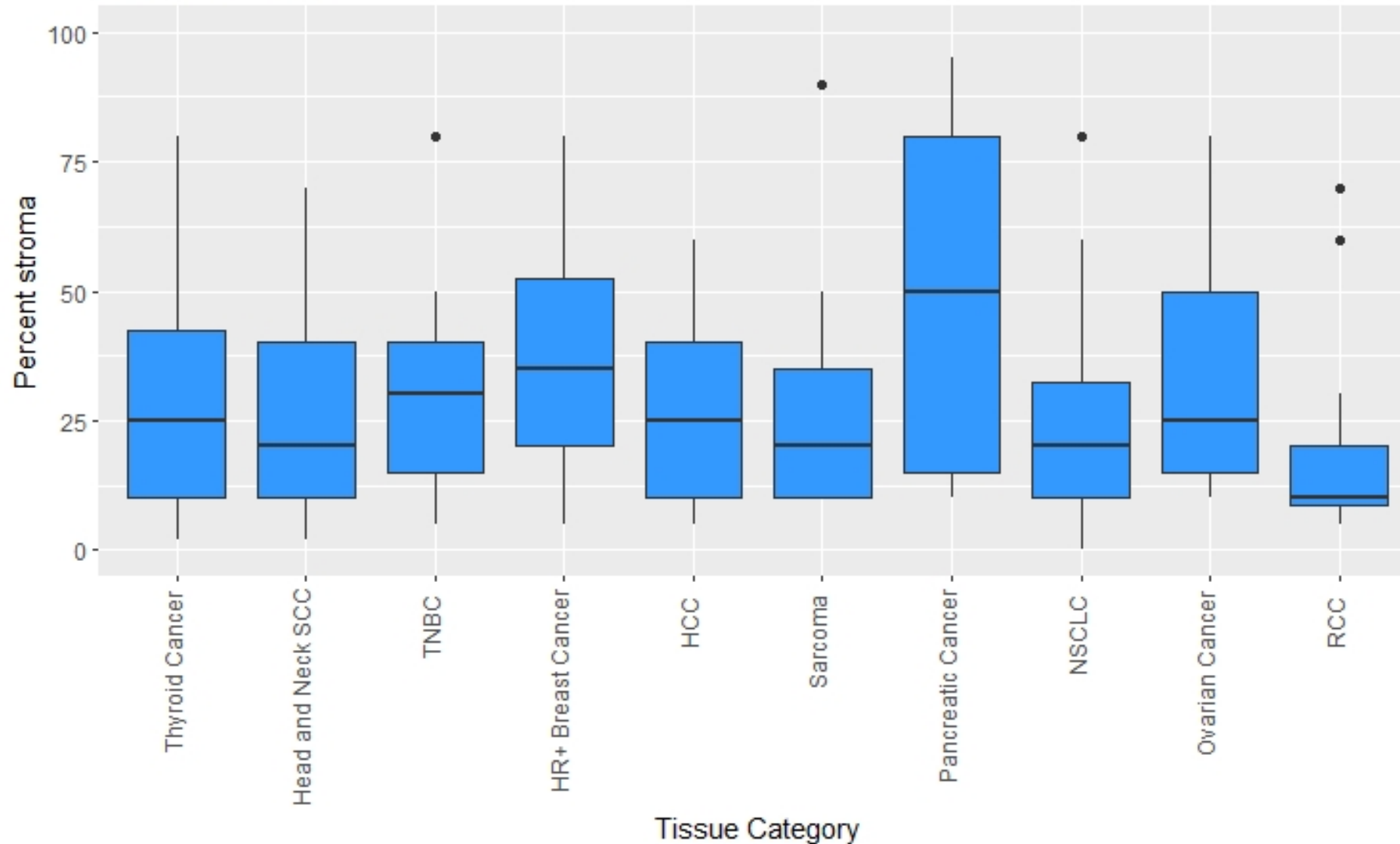


- The acidic TME has been exploited to develop therapeutic antibodies with tumor selective pH-dependent antigen binding***

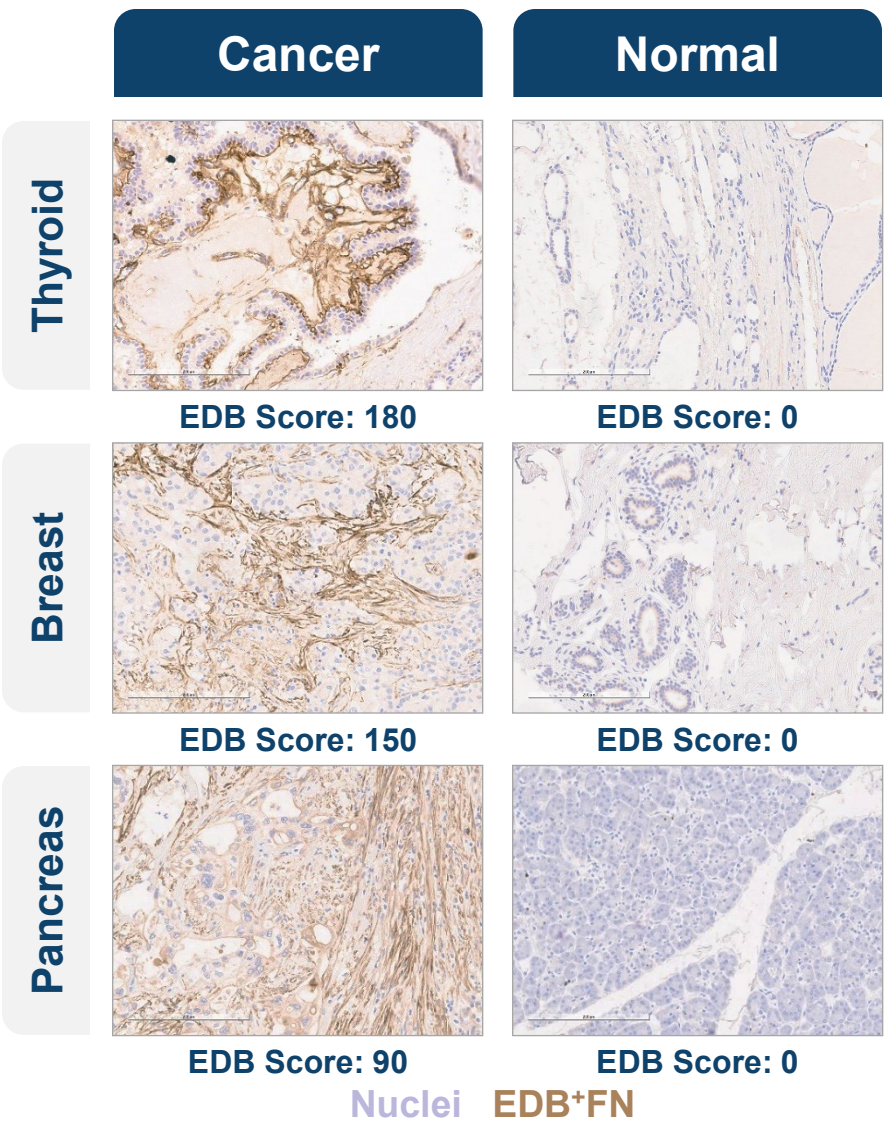
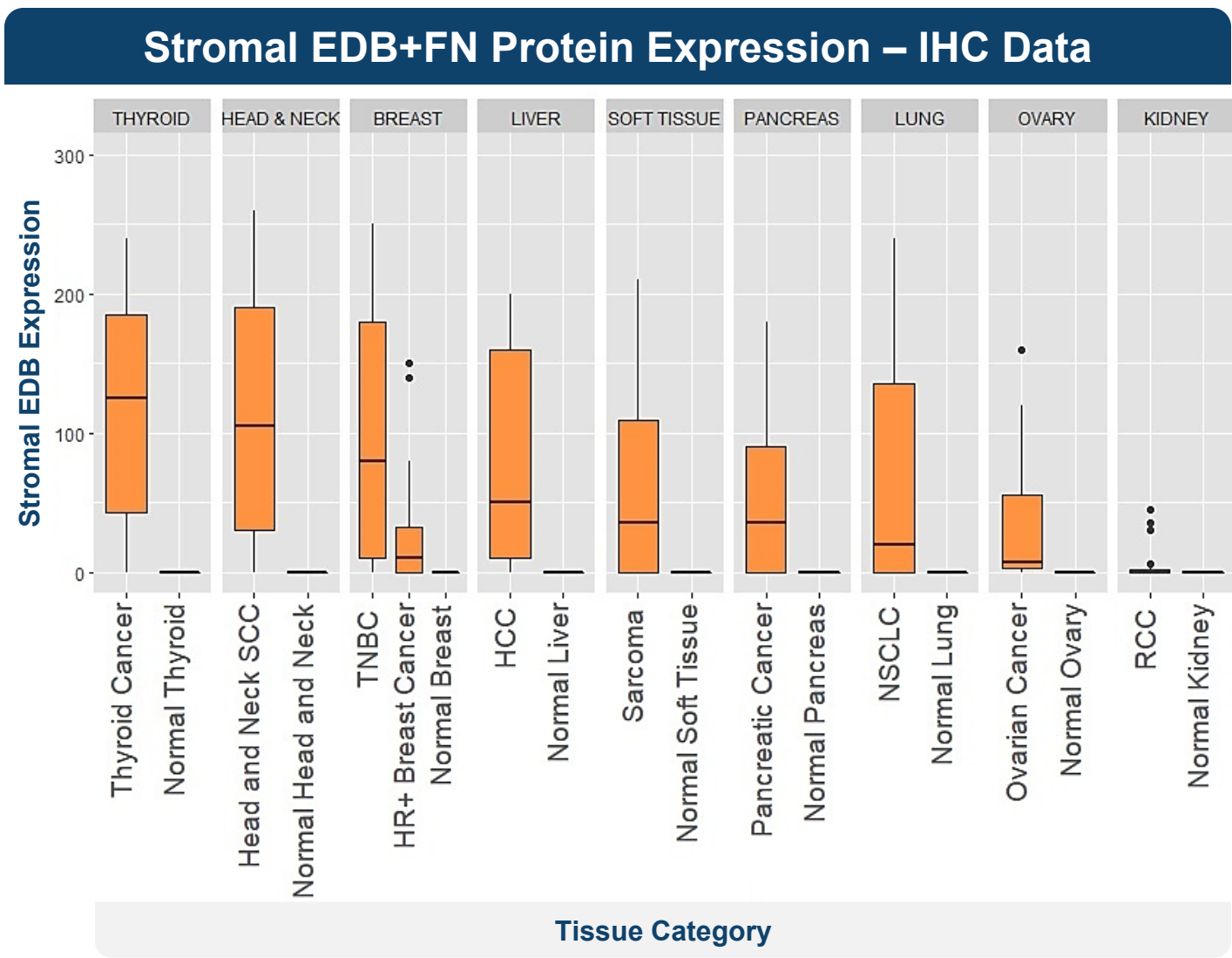


The acidic environment and extracellular proteases in the tumor lead to release of the AUR-0101 (auristatin microtubule inhibitor) payload from PYX-201 in the TME

Volume of Stroma is Highly Variable by Tumor Type

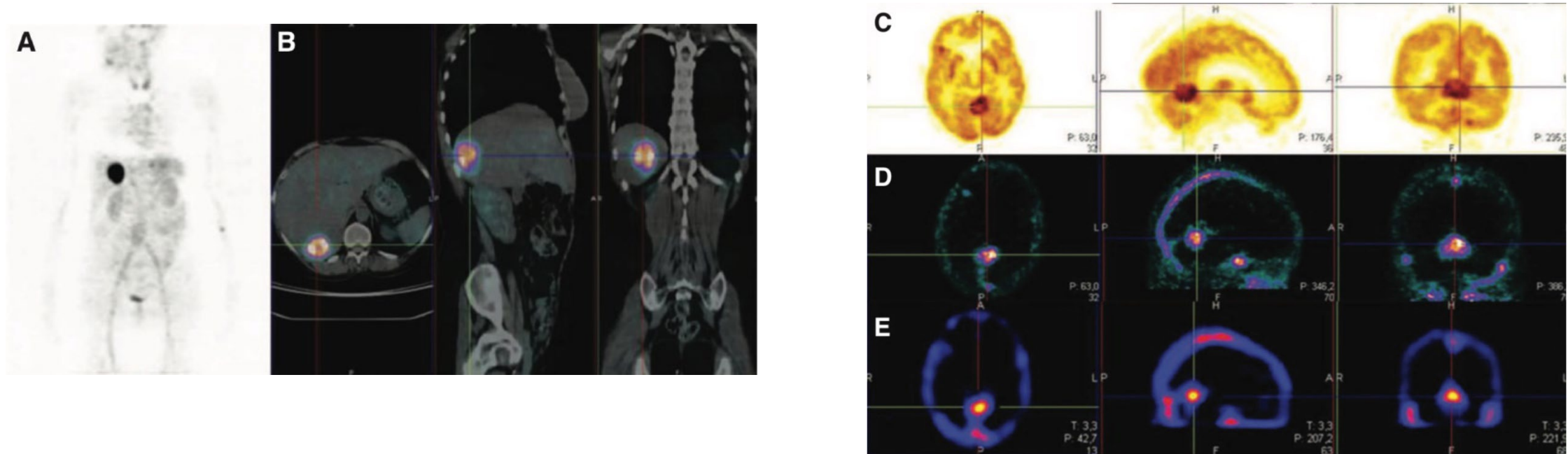


Immunohistochemistry (IHC) Analysis Demonstrates EDB+FN Protein is Highly Differentially Expressed in Tumor Stroma



An EDB-targeted Radio-Conjugate Selectively Accumulates in Tumor with No Accumulation in Normal Tissues

PET imaging using radiolabeled target-antibody fragment shows selective accumulation in hepatic and CNS lesions



A

PET image 24 hours p.i., showing a hepatic lesion with high antibody uptake.

B

Corresponding transaxial, sagittal, and coronal projections PET/CT fusion images.

C

FDG PET image of a lesion in the cerebellar region (transaxial, sagittal, and coronal projections).

D

Corresponding PET images from the diagnostic phase with radio-labeled antibody (24 hours p.i.).

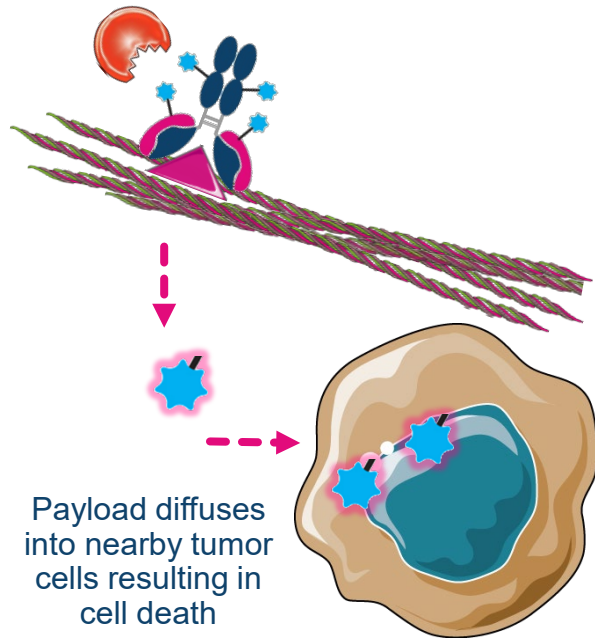
E

SPECT images posttherapy from the use of radio-labeled antibody (24 hours p.i.).

PYX-201 Believed to Act Via Three Distinct Mechanisms to Deliver Powerful Anti-Tumor Activity

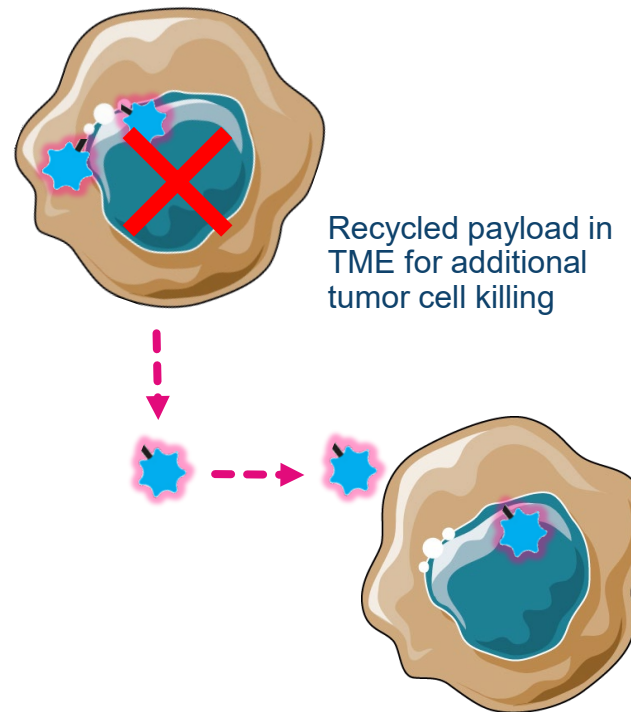
1 Payload Diffuses Into & Kills Tumor Cells

Binding of PYX-201 to EDB+FN within the tumor stroma releases payload



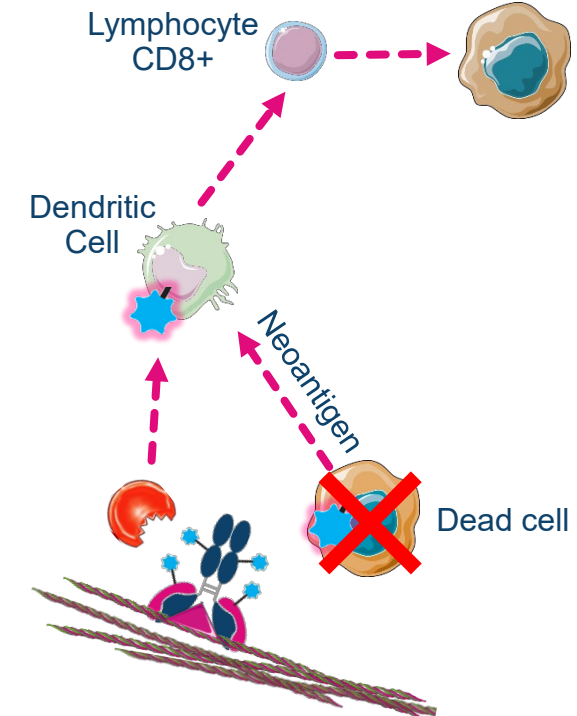
2 Additional Bystander Killing

Tumor cell death results in payload re-release into TME for additional killing



3 Immunogenic Cell Death

Released payload also potentiates immune cell infiltration into the tumor



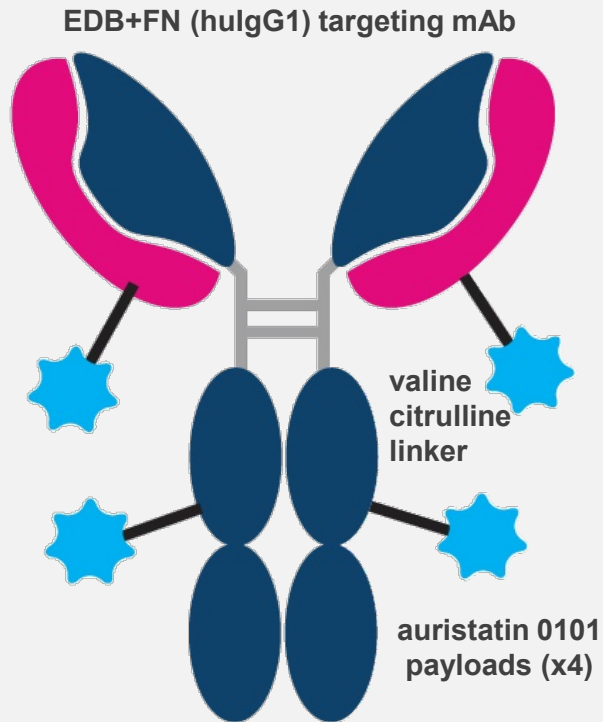
ADC Technical Improvements of PYX-201 vs Other ADCs

- **Conjugation:** Engineered cysteine residues allow for a target DAR of 4 without disrupting the inter-chain cysteine bonds that holds the antibody together
- **Linker:** Optimized val-cit linker that is more stable in circulation (i.e., reduced carboxylesterase cleavage) compared to val-cit linkers used in Adcetris, Padcev, etc.
- **Payload:** Optimized auristatin (AUR-0101) selected for enhanced cell permeability and bystander cell killing activity compared to MMAE. AUR-0101 also has improved metabolism and excretion properties compared to MMAE

Incorporating these three areas of technical improvement in PYX-201 demonstrated increased tolerability and stability with lower levels of free auristatin payload in circulation in non-clinical toxicology studies compared to traditional val-cit-MMAE ADCs

PYX-201 is Designed for Tolerability and Activity

PYX-201 Drug Design



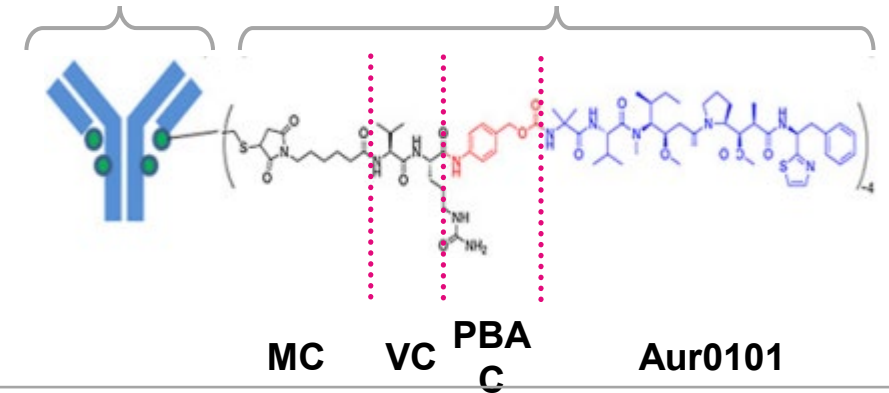
Key improvements of PYXS optimized ADC technology:

- Monoclonal antibody uniquely directed at **Extra-domain B of Fibronectin (EDB+FN)** in the tumor stroma
 - Designed to reduce off-target effects and improve tolerability
- Carries **four Auristatin 0101, microtubule depolymerizing inhibiting payloads**
 - Maximizes tumor-killing and potency
 - Predictable, uniform drug-antibody ratio (DAR) of 4
- **Site-specific**, cathepsin-cleavable, valine citrulline **linkers**
 - Optimized to improve stability in circulation and reduce free payload

PYX-201 Structure

Humanized L19 anti-EDB-FN mAb (kK183C + K290C)

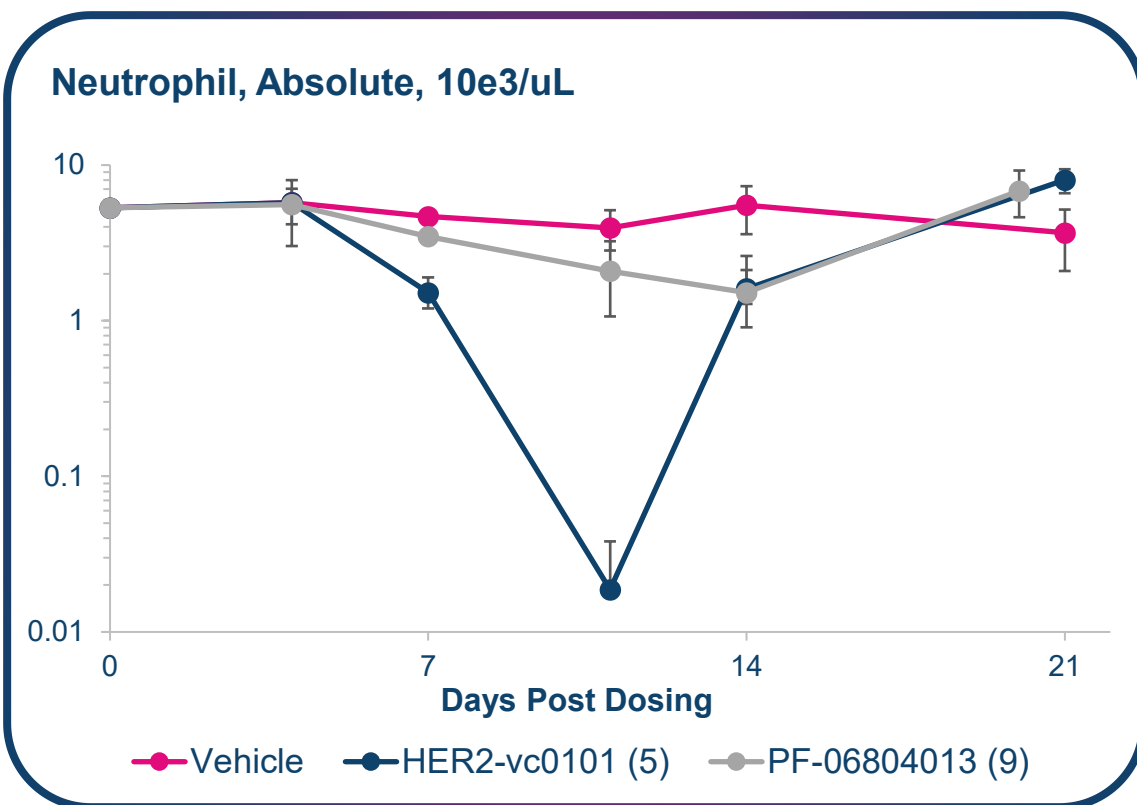
vc0101



MC-VC-PABC linker construct utilizes a maleimidocaproyl (MC) spacer, a protease (cathepsin)-sensitive dipeptide, valine-citrulline (VC), a self-immolative spacer, para-amino benzyloxycarbonyl (PABC) coupled with the optimized auristatin – Aur0101

Potential for Improved Technical Profile of PYX-201 vs. Competitors

Enhanced tolerability in NHP at 10–12 mg/kg (preclinical publications for the HER-2 and EDB ADCs) compared to approved older generation val-cit-MMAE ADCs in NHP of 3 mg/kg (i.e., Adcetris, Padcev etc.)



- Minimal effect on neutrophils in NHP with the site-specific HER2 ADC (PF-06804013) at twice the dose (9 vs. 5 mg/kg) as compared to a conventional HER2-vc0101 ADC that induced neutropenia

Summary of EDB-ADC Single-Dose Pharmacokinetics in Mouse and Nonhuman Primate (NHP, Cynomolgus Monkey)

Model	Dose (mg/kg)	Analyte	C _{max} (µg/mL)	AUC _{0-tau} (µg*h/mL)	Terminal t _{1/2} (day)	ADC/Ab (%)
Mouse	3	Ab	59.6	3,820	4.0	90
		ADC	62.4	3,450	3.4	
NHP	6	Ab	159	16,250	6.6	84
		ADC	148	13,700	5.9	
		Payload	0.00012	0.034	NA	NA
	12	Ab	258	24,800	6.1	98
		ADC	268	24,450	5.8	
		Payload	0.00046	0.096	NA	NA

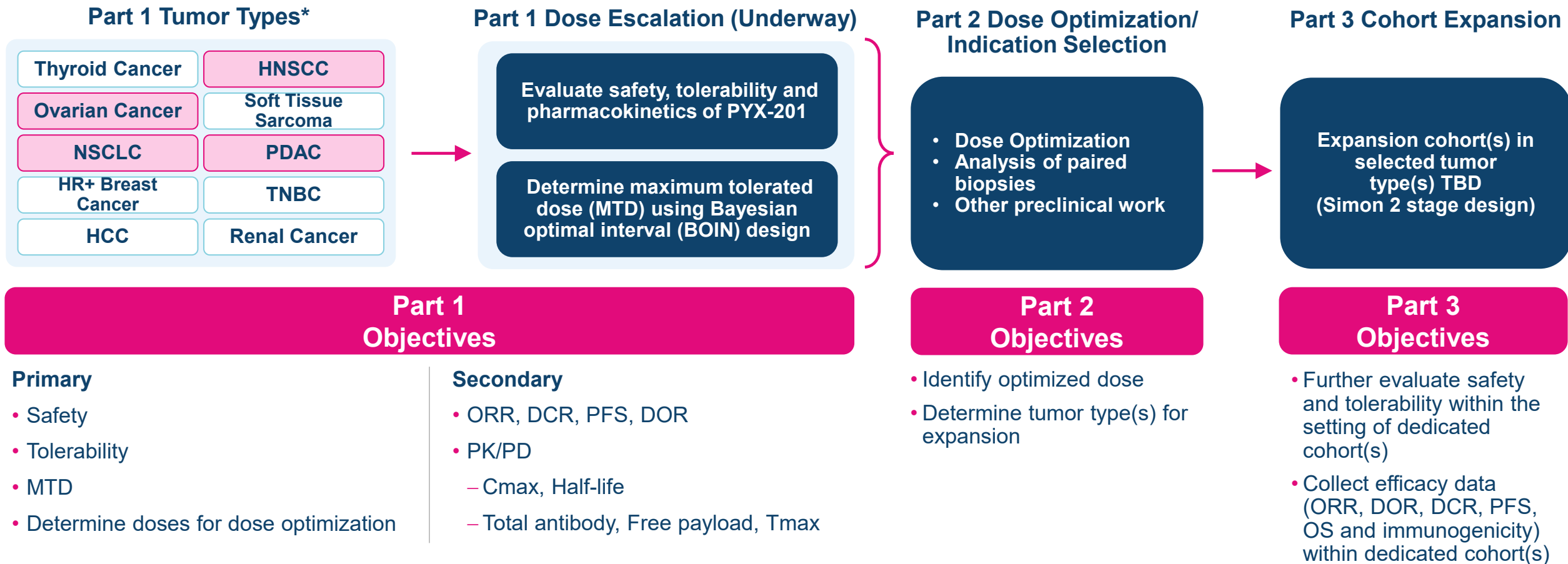
Note: Mouse tau = 336 hours; NHP tau = 504 hours.

Abbreviations: AB = antibody; NA = not applicable.

- PYX-201 is highly stable in circulation in mouse and NHP
- Very low levels of free payload in NHP demonstrating increased stability of the modified val-cit linker

PYX-201-101: Ongoing Open-Label Phase 1 Dose Escalation Study with 10 Solid Tumor Types, Enriched for 4 Histologies

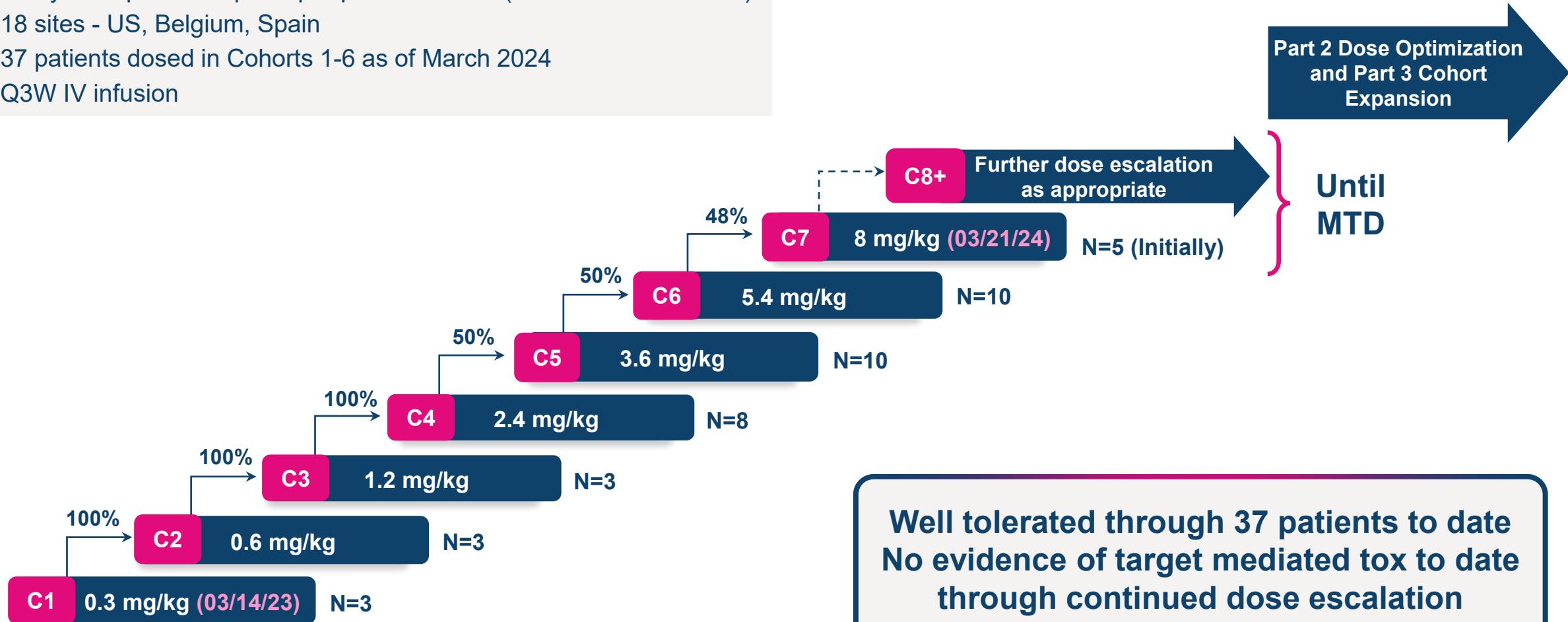
Preliminary data expected Fall 2024



PYX-201 Ongoing Phase 1 Part 1 Dose Escalation Solid Tumor Trial Design

Part 1 Design and Approach

- Determine MTD using Bayesian optimal interval (BOIN) design
- Analysis of paired biopsies pre/post treatment (fresh where available)
- 18 sites - US, Belgium, Spain
- 37 patients dosed in Cohorts 1-6 as of March 2024
- Q3W IV infusion



Anti-Siglec-15 (PYX-106): Potential Best-In-Class, Highly Differentiated Fully Human Antibody in NSCLC and Solid Tumors

Higher binding affinity leads to enhanced T cell responses at higher dose levels, empowering the immune system to kill and fend off cancer cells

Demonstrates 10-fold higher affinity to human Siglec-15 than benchmark in development

Potent, dose-dependent reversal of Siglec-15-mediated T cell suppression *ex vivo*

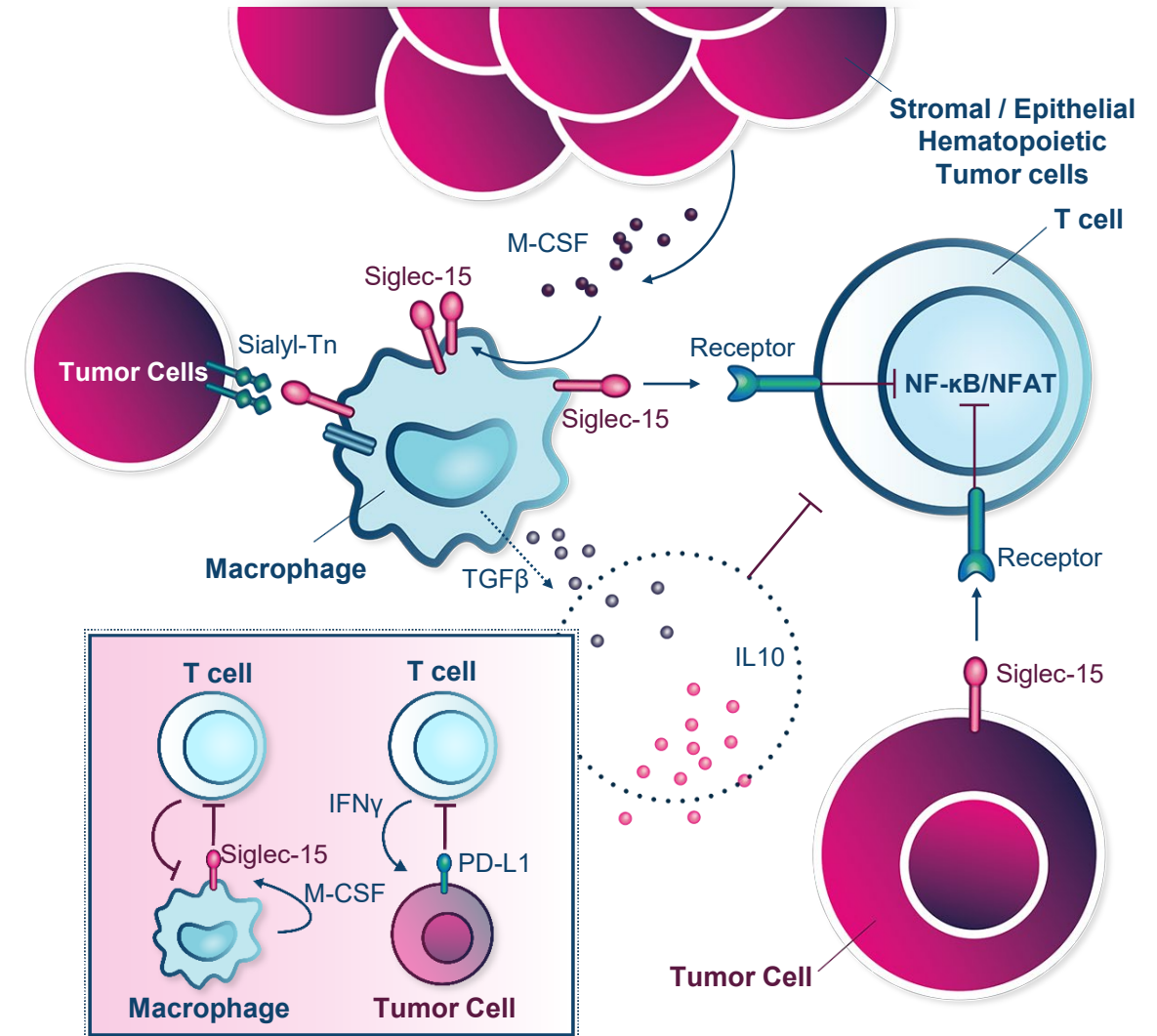
Well-tolerated in preclinical studies with half-life of 7 days resulting in less frequent dosing

Potential for better exposure and no evidence of anti-drug antibody

Potential to combine with anti-PD-(L)1 or another immunotherapy

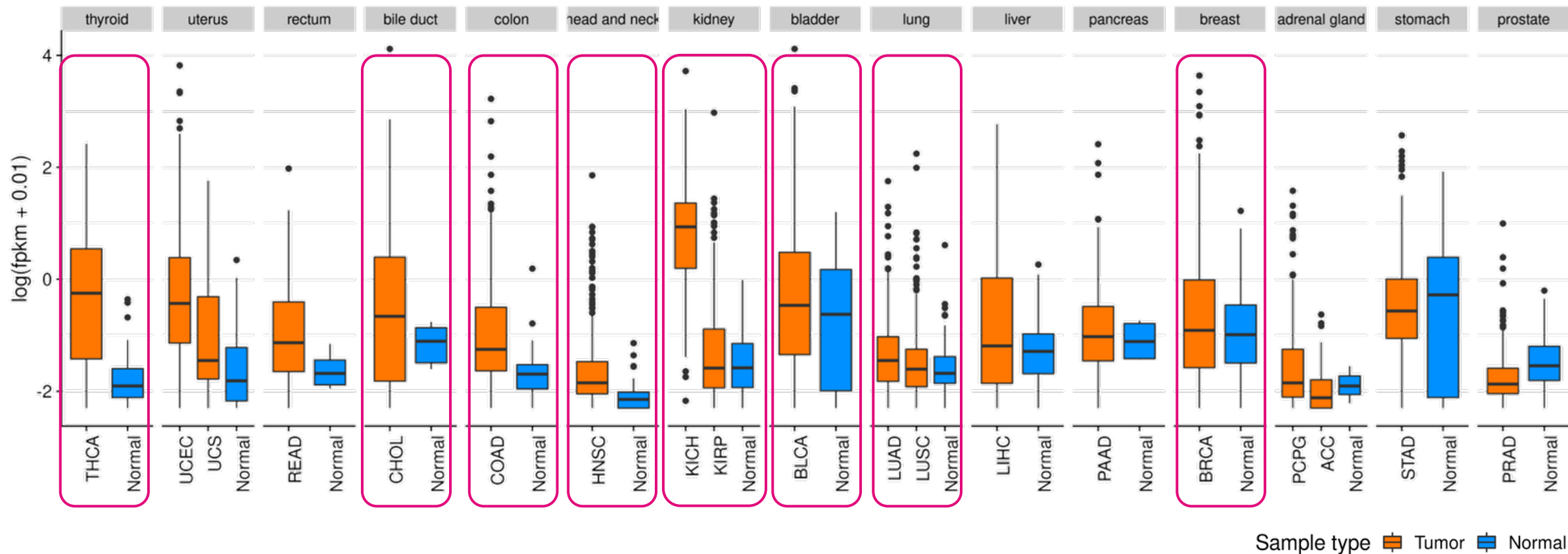
PYX-106 May Address Anti-PD-(L)1 Non-responders in Several Tumor Types

- PYX-106 is a fully human antibody targeting Siglec-15, a differentially expressed immune suppressor that may be a critical immune evasion mechanism in PD-L1-negative patients
 - Target has been de-risked in prior clinical studies
- High binding affinity to a unique epitope and high potency
- Well tolerated in preclinical studies with no evidence of anti-drug antibodies
- Potential to leverage biomarker analysis to target specific patient populations
- Exclusively licensed from Biosion in 2022 for worldwide rights outside of greater China



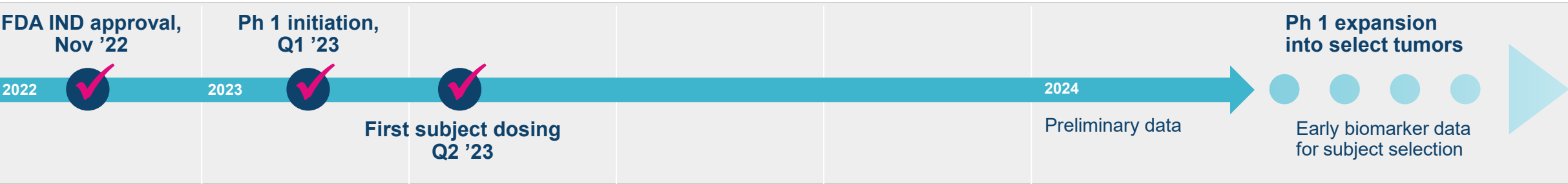
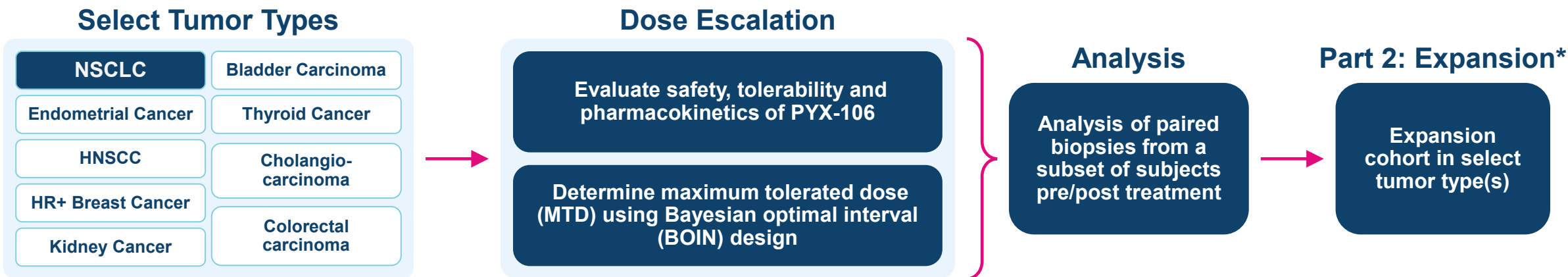
PYX-106 Targets Siglec-15, Which is Differentially Upregulated in Multiple Solid Tumors

Meaningful Differences in Siglec-15 Expression in Tumor vs. Normal



PYX-106-101: An Open-label, Multicenter Phase 1 Study in Patients with Advanced Solid Tumors

Preliminary data expected in 2H 2024



Objectives

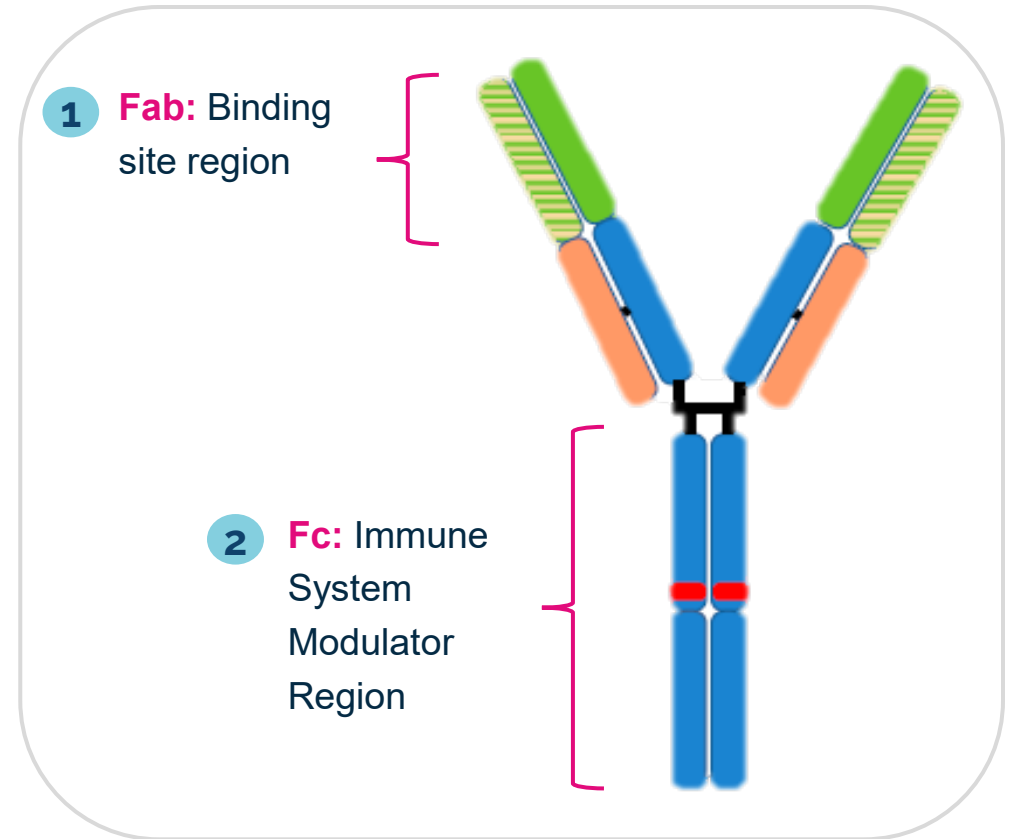
- Determine recommended dose(s) of PYX-106
- Evaluate safety and tolerability
- Characterize the pharmacokinetic profile
- Evaluate ORR, DOR, DCR, PFS, OS and immunogenicity of PYX-106

* The expansion phase will be triggered by a protocol amendment. The indications, dosing schedules, and assessment timepoints planned for the expansion phase will be determined based on clinical safety, efficacy, biomarker, and pharmacokinetic (PK) data obtained during the dose escalation phase.

PYX-107 (Sotigalimab) is a Potential First- and Best-in-Class CD40 Agonist in Phase 2 that Has Demonstrated Rapid, Deep and Durable Responses

Paused

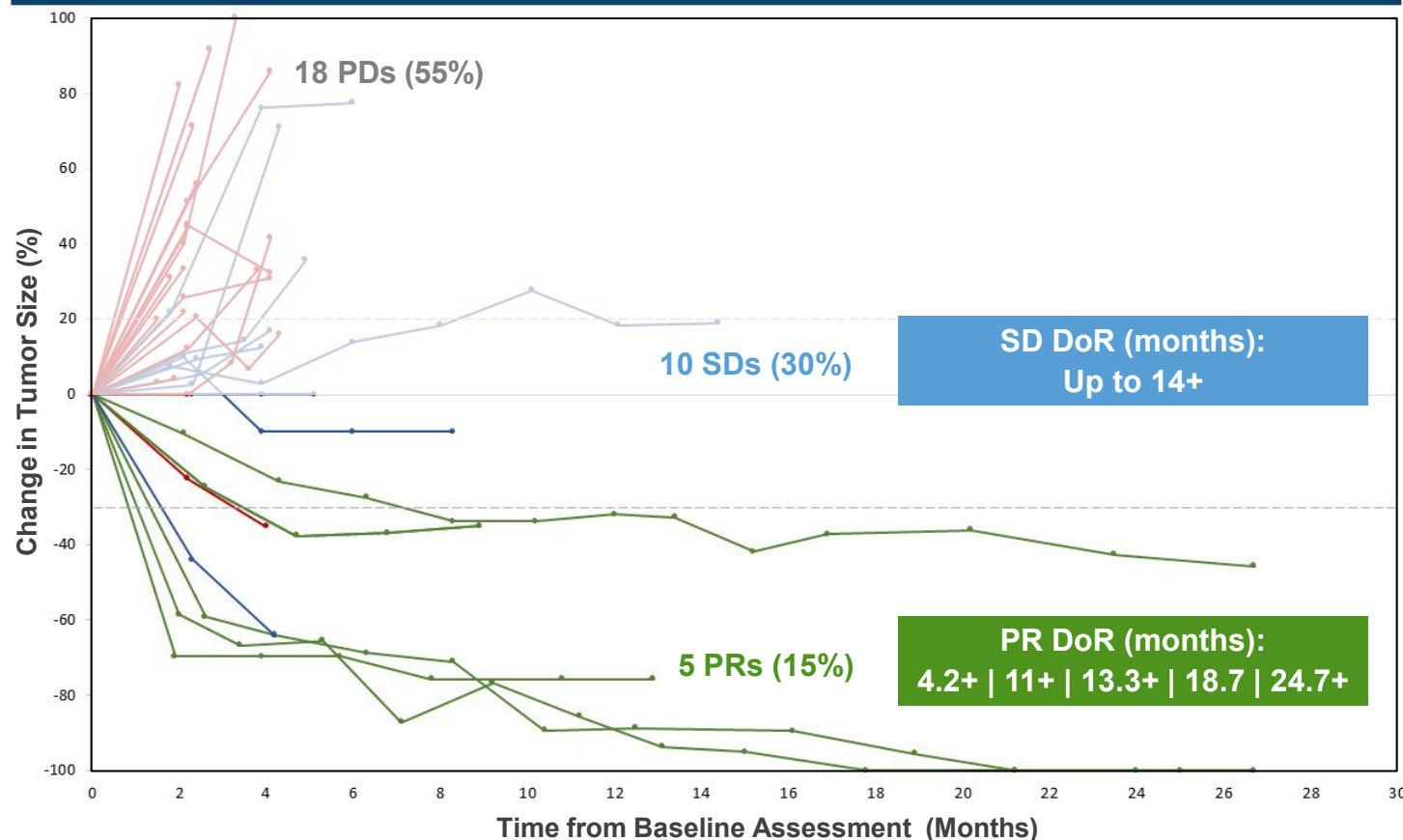
- Rationally designed with two key modifications for higher potency and improved tolerability
- Potential applicability across a variety of tumor types with high unmet need
- Compelling anti-tumor activity in difficult-to-treat metastatic melanoma patients, including those relapsed or refractory to PD-(L)1 and/or CTLA-4
 - No good treatment option exists for this growing patient population
- Favorable tolerability profile in combination with nivolumab
- Clinical development plan to be announced in Q4 2023



Sotigalimab-Nivolumab Demonstrated Activity and Prolonged Responses in PD-1 Blockade Refractory Melanoma Patients in Phase 2 Trial

Paused

Duration of Response with Sotigalimab+Nivolumab in Patients Who Progressed on Prior PD-1/PD-L1 Blockade Therapy



Background

- Patients (n=33) with relapsed/refractory metastatic melanoma with confirmed PD on anti-PD-1 mAb
- 24% received prior anti-CTLA-4

Results Summary

- **Strong activity**
 - 15.2% achieved partial responses (PR) and 30.3% showed stable disease (SD)
- **Well tolerated**
 - Grade ≥ 3 related TEAEs reported in two patients: transient increases of alanine aminotransferase (2 patients) and aspartate aminotransferase (2 patients)
- **Rapid, deep and durable responses**
 - SD up to 14+ months
 - 4/5 patients had ongoing PRs; median duration of response (DoR) not reached

Data from >500 patients collected across both company-sponsored trials and ISTs; IST data accumulated in a variety of tumor types, including metastatic melanoma, pancreatic, brain, renal, colorectal and ovarian cancer

Upcoming Meetings

RBCCM Global Healthcare Conference in New York, May 14-15, 2024

Jefferies Healthcare Conference in New York, on June 5-6, 2024

BTIG Virtual Biotechnology Conference on August 5-6, 2024

Wells Fargo Healthcare Conference in Boston, September 4-6, 2024

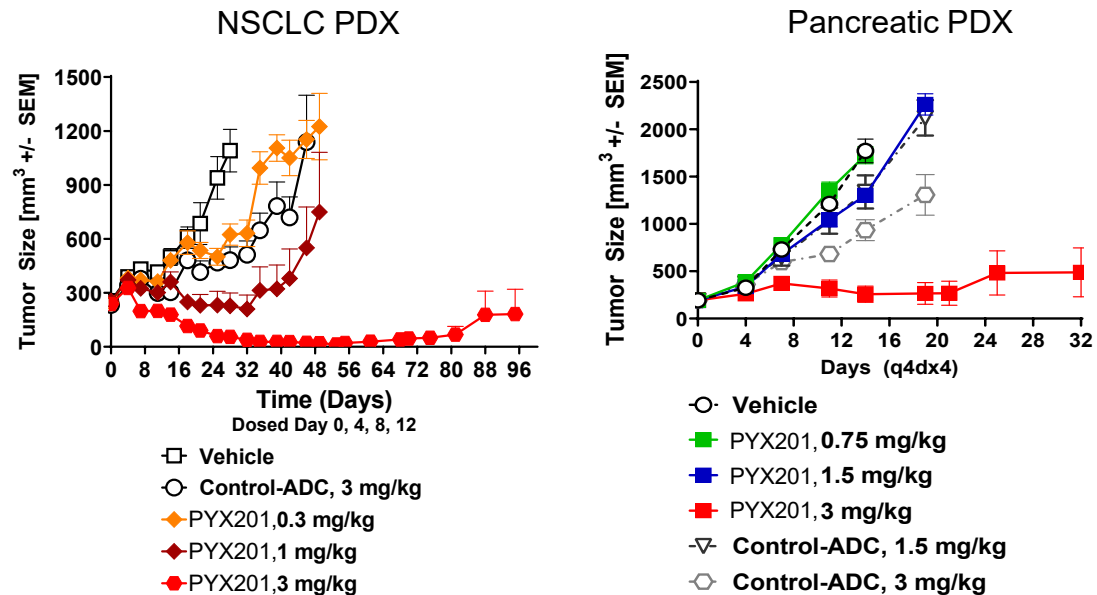
APPENDIX

- PYX-201 & ADC Toolkit
- PYX-106
- APXiMAB Platform & Sotigalimab

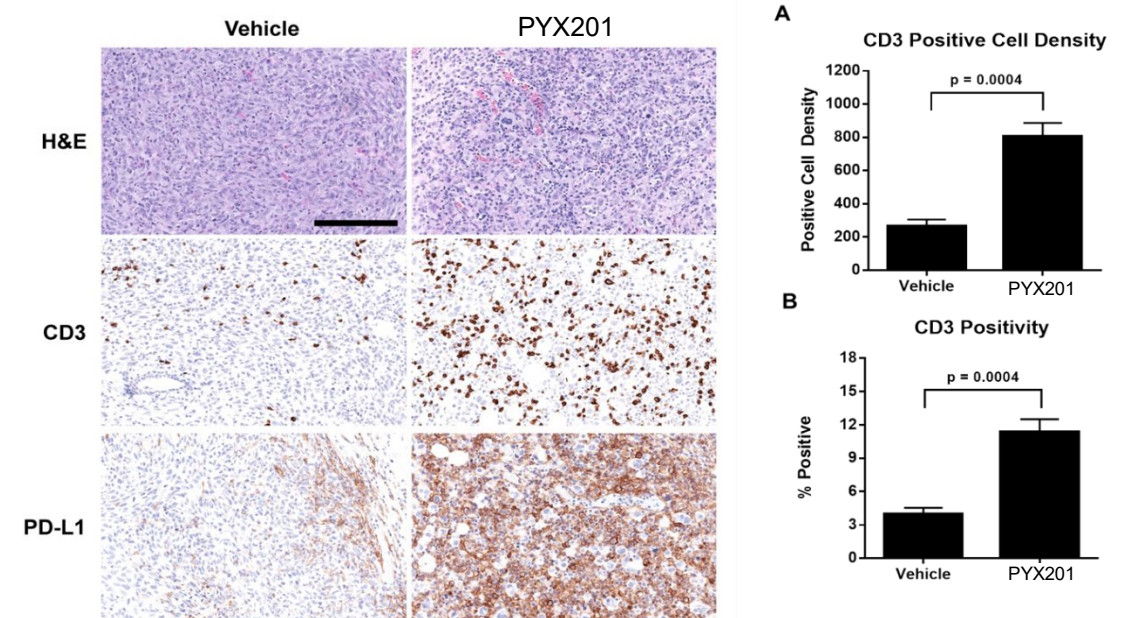


PDX Models Demonstrate Dose Dependent Anti-Tumor Activity of PYX-201

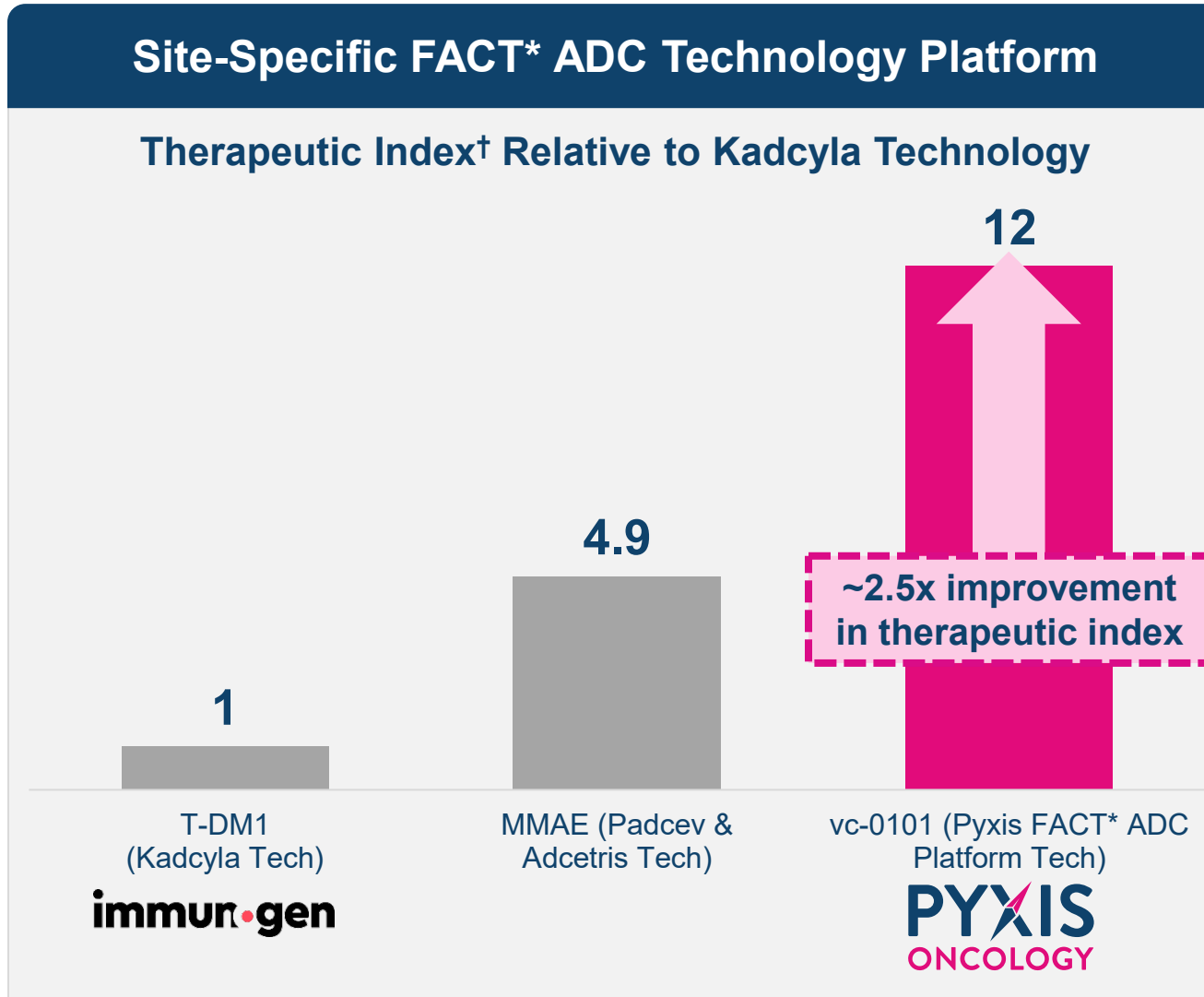
PYX-201 is Highly Active in Patient-derived Xenograft (PDX) Models of NSCLC and Pancreatic Cancer



PYX-201 Induces Immunogenic Cell Death & T cell Infiltration (CD3)



Pyxis Oncology's ADC Platform Demonstrates Superior Therapeutic Index (TI) to Currently Marketed Auristatin Based ADC Products



- Preclinical studies testing trastuzumab-based ADCs demonstrate
 - FACT site-specific conjugation of vc-0101 to engineered cysteine residues exhibited significant improvement in TI

vs

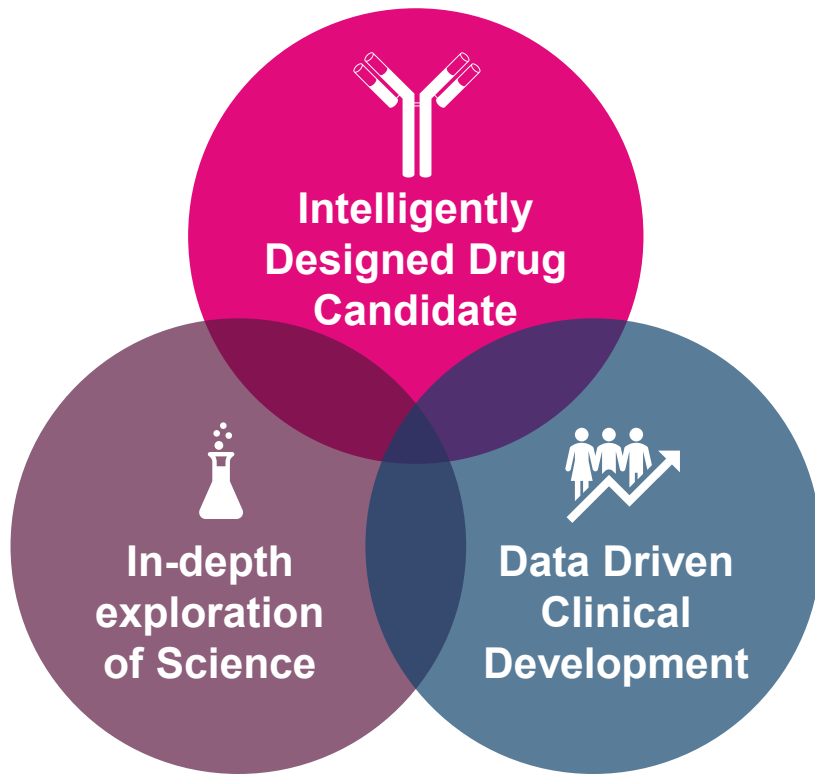
 - Conventional cysteine conjugation used in Adcetris and Padcev (Graziani, Molecular Cancer Therapeutics, 2020)
- Preclinical improvements in TI with the site-specific conjugated vc-0101 trastuzumab ADC (PF-06804103) predicted
 - That the molecule would have enhanced anti-tumor activity and
 - Be tolerated at higher dose levels compared to traditional vc-MMAE-based ADCs

Pyxis Oncology is Advancing ADC Technology to Create More Active, Better Tolerated Therapies

Limitations of First-Generation ADCs		PYXS ADC ToolKit Improvements
Less stable linkers can result in higher levels of free payload in circulation and off-target payload deposition	1 Linker improvements	✓ More stable linkers can limit early payload release prior to reaching tumors
Random attachment of payloads to an antibody leads to a more inconsistent drug product and variable DAR	2 Site-specific conjugation chemistry	✓ Site-specific conjugation leads to a more consistent drug product and more homogeneous DAR
Less permeable, less potent, lower bystander activity with first generation MMAE payloads	3 Payload improvements	✓ Best-in-class auristatin payload AUR0101 engineered for better potency and permeability across cell membrane enables improved bystander effect
Often lower affinity, less specific antibodies	4 Antibody improvements	✓ Generates novel, humanized antibodies to a target library, with high affinity and unique binding epitopes

PYX-106: A Data Driven Anti-Siglec-15 Therapy

Clinical strategy entrenched in the in-depth understanding of the dynamics between the drug candidate, the tumor microenvironment (TME) and patient impact



A Simultaneous and Multifaceted Approach to Delivering an Impactful Therapy

DIFFERENTIATED DRUG CANDIDATE FROM COMPETITOR

- Fully Human which may limit ADA formation and improve exposure
- Long half-life in monkeys, if similar in humans, would allow for less frequent dosing, maintain exposure and target engagement
- Stronger target binding to human Siglec-15 versus competitor (NC318)
- More potent reversal of Siglec-15-mediated T cell suppression *ex vivo* versus NC318

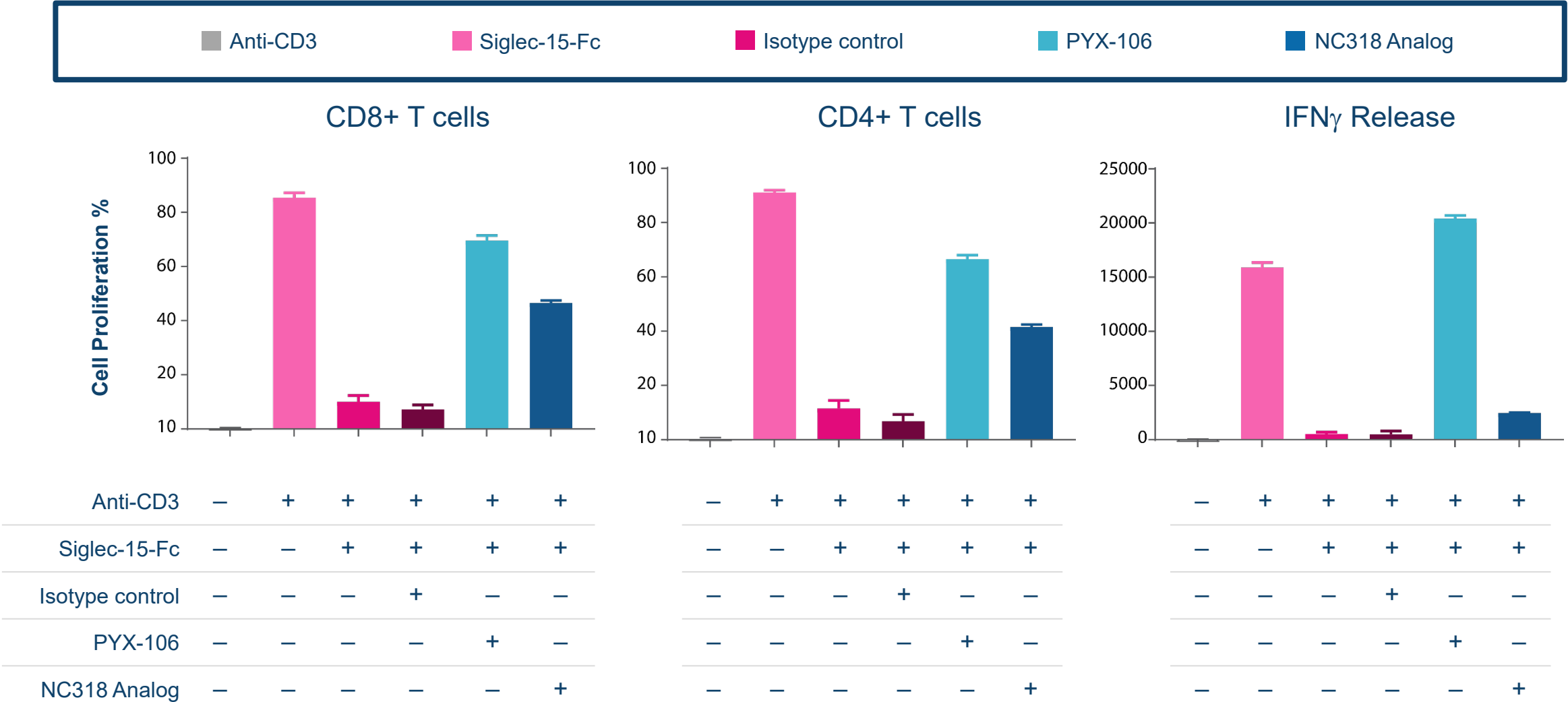
ACTIONABLE DATA GENERATION AND ANALYSIS

- Demystifying Siglec-15 as a Biomarker to comprehend the role of the target in tumorigenesis
- Discerning the TME to expand knowledge of immune related events during patient response to drug
- Deciphering drug dynamics (PK/PD) to better understand the MOA of the drug in targeting cancer

THOUGHTFULLY DESIGNED CLINICAL STRATEGY

- Diligent Indication Selection to ensure impact in unmet need tumors based on Siglec-15 expression
- Data-driven patient selection for prospective identification of responders
- Differentiated Clinical Development plan for delivering the highest patient benefit and impact

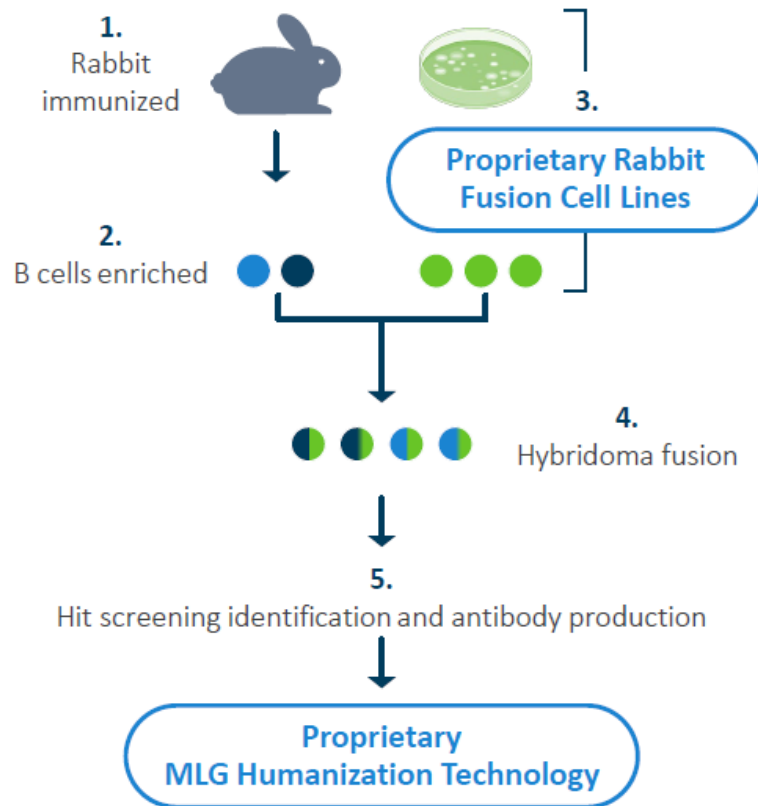
PYX-106 Reverses Siglec-15 Mediated T-Cell Suppression and Increases IFN γ Release to Reinvigorate the Immune System



APXiMAB Platform Facilitates In-House Development of Antibodies to Support Novel ADC Generation via FACT Platform

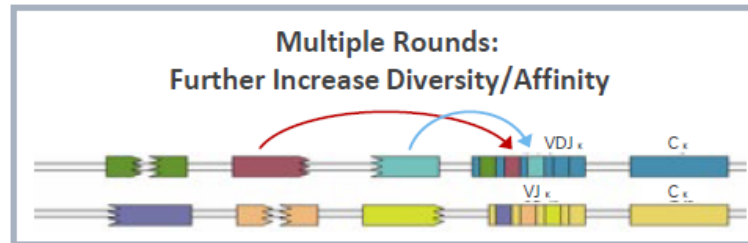
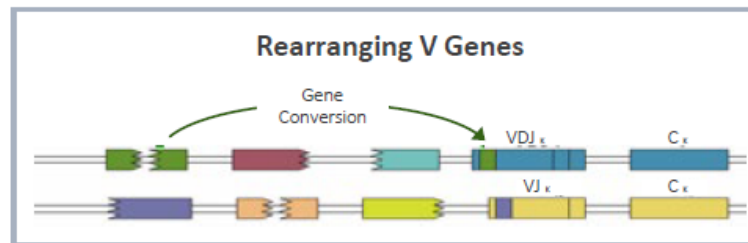
RABBIT-DERIVED THERAPEUTIC ANTIBODIES

THE PROCESS



UNIQUE MECHANISM

Gene Conversion:
Increased **Diversity** and **Affinity/Specificity**



Only occurs in rabbits (and chickens)

THE ADVANTAGES

Broad Antibody Diversity



Increases Likelihood of:

- Identifying candidates for any given target
- Discovering the best antibody for a particular use

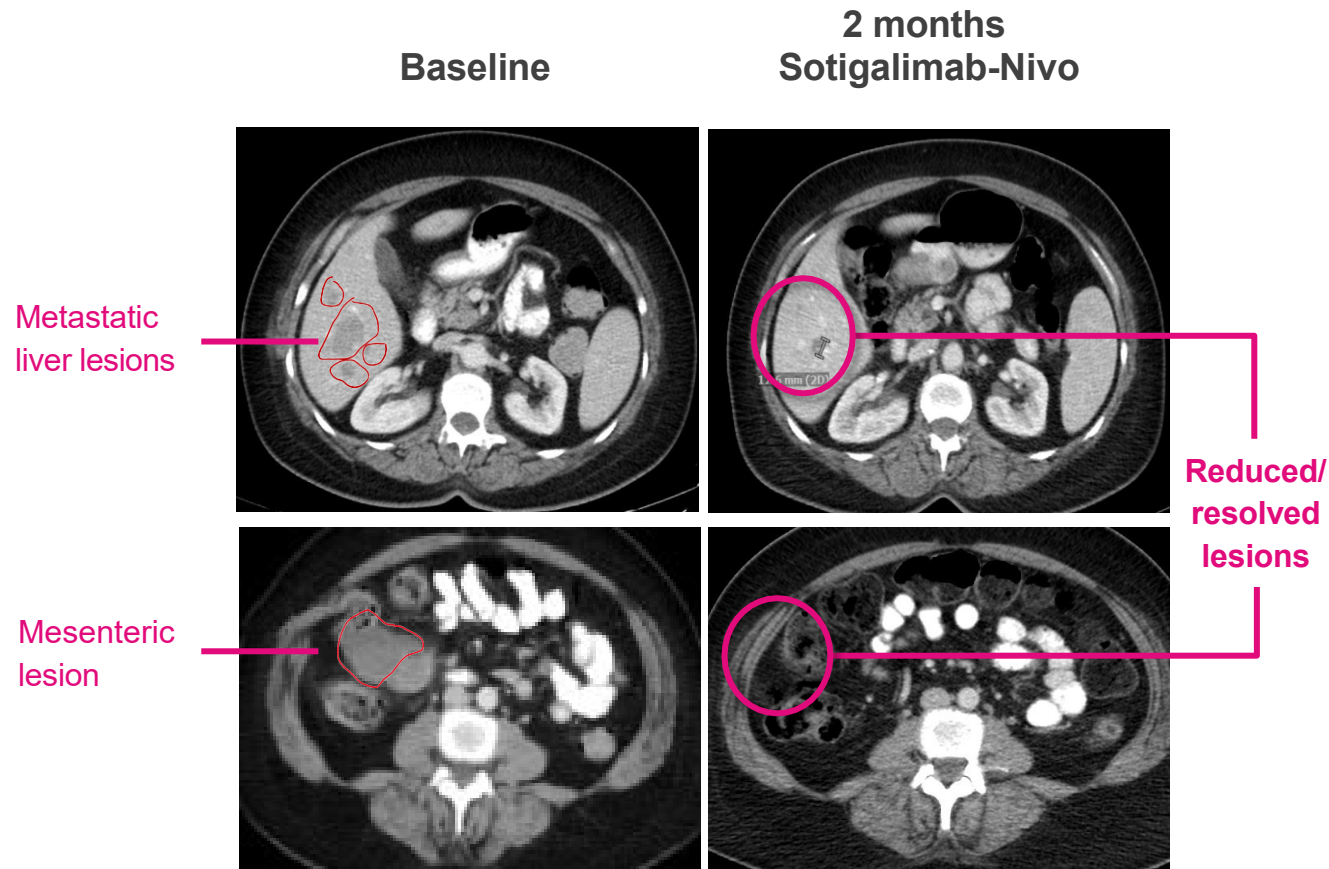
High Antibody Affinity/Specificity



Important for therapeutic antibody binding and staying on target for extended duration

Case Study: Patient Achieved a Durable Partial Response (PR) and Resolution of All Lesions on Sotigalimab-Nivolumab

Patient Could Not Tolerate Ipilimumab and Had Highly Progressed, Metastatic Disease with Poor Prognosis and Limited Effective Treatment Options Remaining, with Discussions About Hospice as Next Step



- **Strong activity:** patient responded **only 2 months** after starting sotigalimab-nivolumab (3 cycles of treatment)
- **Good tolerability:** patient **completed ~11 months (15 cycles)** of therapy
- **Lasting durability:** patient **maintained a PR for 25+ months on study** after treatment concluded
 - **At 45.9+ months**, the patient maintained their response, as observed by the PI

Results Demonstrate Favorable Tolerability Profile of Sotigalimab

Number (%) of subjects with related grade ≥ 3 TEAEs (in ≥ 2 subjects)

Study APX005M-002	Phase 1b			Phase 2 (0.3 mg/kg)				Total (N=139)
Related ^a Grade ≥ 3 TEAE Preferred Term	DL1 (0.03 mg/kg) (N=3)	DL2 (0.1 mg/kg) (N=3)	DL3 ^b (0.3 mg/kg) (N=3)	C1 ^b (N=53)	Melanoma Patient Cohort			
					C2 ^b (N=38)	C3A (N=14)	C3B (N=28)	
Alanine Aminotransferase Increased	0	0	0	1 (1.89%)	2 (5.26%)	0	2 (7.14%)	5 (3.60%)
Hypertension	0	0	0	4 (7.55%)	0	0	1 (3.57%)	5 (3.60%)
Gamma-glutamyltransferase Increased	0	0	0	2 (3.77%)	1 (2.63%)	0	1 (3.57%)	4 (2.88%)
Aspartate Aminotransferase Increased	0	0	0	1 (1.89%)	2 (5.26%)	0	0	3 (2.16%)
Dyspnoea	0	0	0	3 (5.66%)	0	0	0	3 (2.16%)
Amylase Increased	0	0	0	1 (1.89%)	1 (2.63%)	0	0	2 (1.44%)
Blood Bilirubin Increased	1 (33.33%)	0	0	1 (1.89%)	0	0	0	2 (1.44%)
Colitis	0	0	0	2 (3.77%)	0	0	0	2 (1.44%)
Cytokine Release Syndrome	0	0	0	0	0	0	2 (7.14%)	2 (1.44%)
Diarrhoea	0	0	0	2 (3.77%)	0	0	0	2 (1.44%)
Fatigue	0	0	0	1 (1.89%)	0	1 (7.14%)	0	2 (1.44%)
Hyperglycaemia	0	0	0	1 (1.89%)	0	0	1 (3.57%)	2 (1.44%)
Lipase Increased	0	0	0	1 (1.89%)	1 (2.63%)	0	0	2 (1.44%)
Pyrexia	0	0	0	0	1 (2.63%)	1 (7.14%)	0	2 (1.44%)

Sotigalimab vs. Other Advanced Clinical Stage CD40 Agonists (Not Exhaustive)



Celldex

Roche

AbbVie

Seagen

BioNTech

Alligator
Bioscience

Eucure

	sotigalimab ¹	CDX-1140 ²	selicrelumab ³	ABBV-927 ¹	SEA-CD40 ⁴ dacetuzumab	BNT-312 ⁵ (GEN1042)	mitazalimab ¹ ADC-1013	YH003 ⁶ (Biocytogen)
Format	IgG1 humanized mAB	IgG2 fully human mAB	IgG2 fully human mAB	IgG1	IgG1	DuoBody-CD40x4-1BB	IgG1	IgG2 humanized mAB
Fc engineering	Modified to eliminate ADCC (S267E): Reduced FcγRIIIa binding	No	No	Modified to eliminate ADCC (V273Y): Reduced FcγRIIIa binding	Modified to increase ADCC (afucosylated): Increased FcγRIIIa binding	Modified to eliminate binding to Fcγ receptors	No	
CD40 epitope	Competes with CD40L (binds cysteine-rich domain 2 [CRD2])	CRD1; not competing with CD40L	CRD1; not competing with CD40L	CRD1; not competing with CD40L	CRD1; not competing with CD40L	Not known	CRD1; not competing with CD40L	CRD1; not competing with CD40L
Requires cross-linking	Yes	No	No	Yes	Yes	No	Yes	
FcγR dependent	Yes (FcγIIbR)	No	No	Yes (FcγIIbR)	yes	No	Yes	
In-vitro activity	High	Weak	High		High	High	High	
In-vivo activity	No binding to mouse CD40	Yes	Yes, not tolerated		Yes	Yes, crosslinks CD40-expressing APC with 4-1BB-expressing T cells	Yes	
Development status	Phase 2	Ph 2 (De-prioritized by company)		Phase 2		Phase 1/2		Phase 2

Sources: 1. Smith, Karin, et al, Expert Opinion on Biological Therapy 21.12 (2021): 1635-1646; 2. Vitale, Laura A., et al. Cancer Immunology, Immunotherapy 68 (2019): 233-245; 3. Djureinovic, et al, Cancers 13.6 (2021): 1302; 4. Gardai, Shyra J., et al. Cancer Research 75.15_Supplement (2015): 2472-2472.; 5. Muik, Alexander, et al. Cancer Research 81.13_Supplement (2021): 1846-1846; 6. Coward, Jermaine, et al. (2022): 2603-2603.

Building a Leading ADC Focused Company

Nasdaq: PYXS
April 2024

