



ELEVATION
ONCOLOGY

Corporate Presentation

May 2024



Forward Looking Statements

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Leveraging ADC Expertise to Advance Selective Cancer Therapies

- **Growing pipeline of differentiated ADCs** with broad therapeutical potential, including programs targeting Claudin 18.2 and HER3
- **Experienced management team with expertise in ADC and oncology drug discovery and development**
Proven track record to discover and develop novel cancer therapies for patients with significant unmet medical needs
- **Strong cash position to fund operations into 2026**

EO-3021:

A potential best-in-class anti-Claudin 18.2 ADC for a significant, global unmet medical need¹

✓ Differentiation supported by initial clinical data:

Phase 1 data presented by partner CSPC at ASCO 2023, demonstrating 47.1% ORR in gastric cancer and well-tolerated safety profile²

✓ Advancing robust clinical development program:

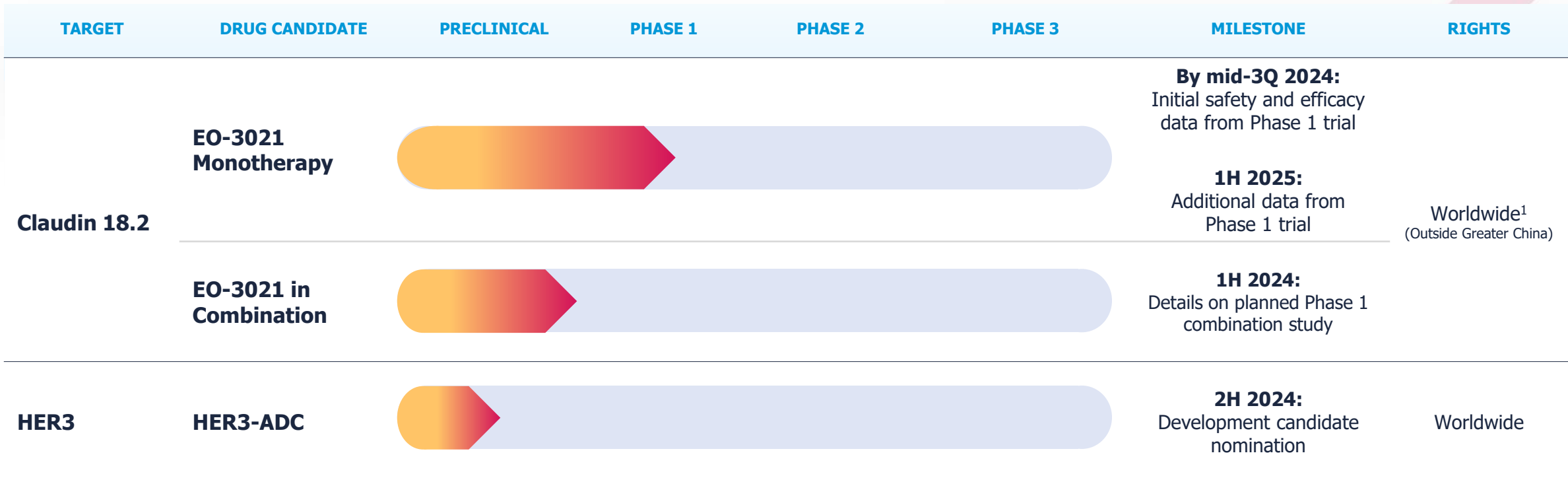
Phase 1 clinical trial evaluating single-agent EO-3021 ongoing, with initial safety and efficacy data expected by mid-3Q 2024

Expanding efforts to evaluate EO-3021 in combination with immunotherapy and targeted agents

✓ Opportunity to address significant global market:

Claudin 18.2 is overexpressed in several types of cancers, including gastric, esophageal, pancreatic, ovarian, and lung³⁻⁶

Leveraging ADC Expertise to Advance a Novel Selective Cancer Therapy Pipeline



Claudin 18.2 is a Compelling ADC Therapeutic Target

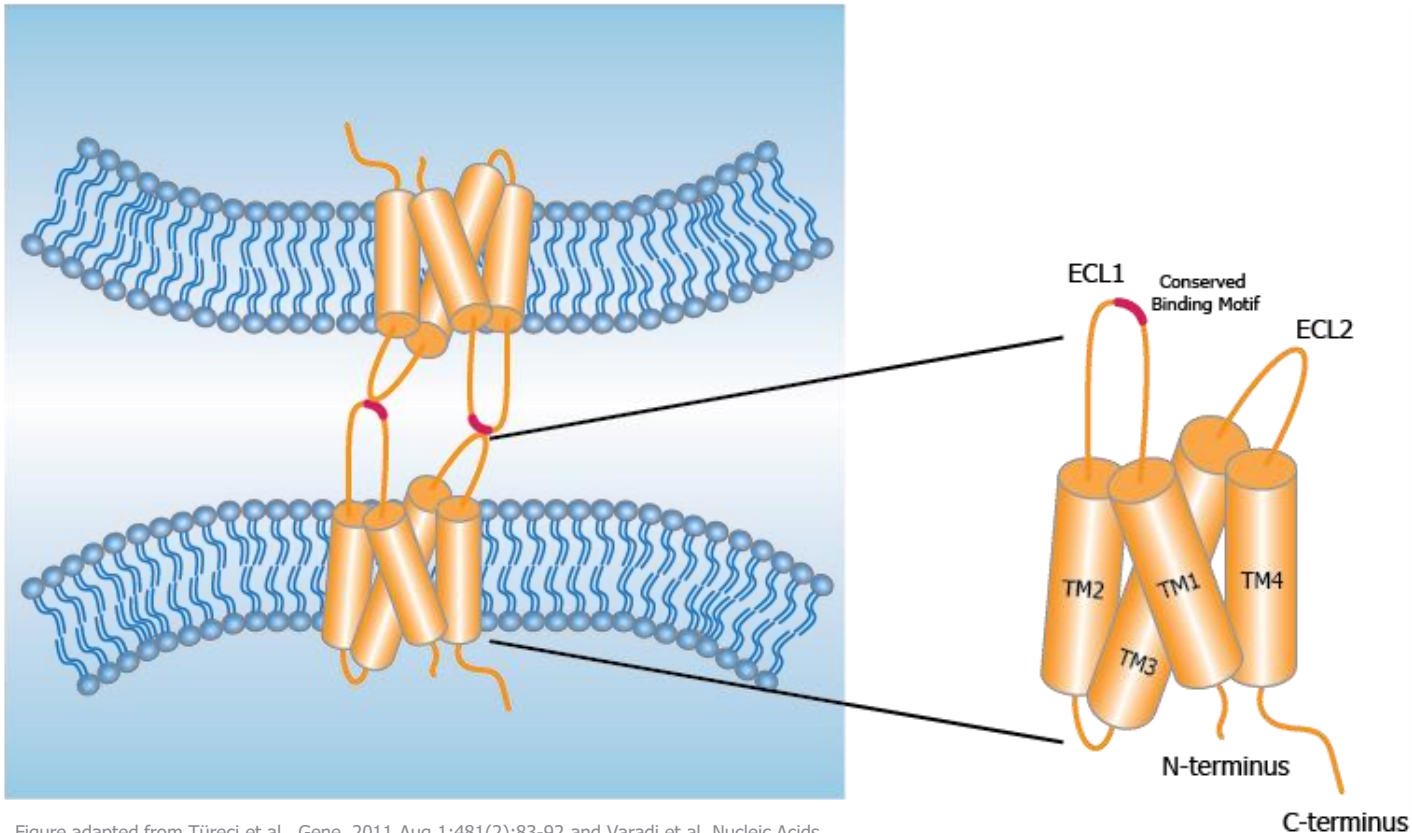
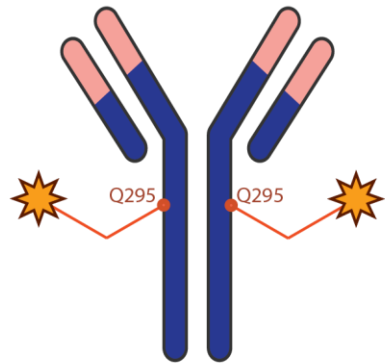


Figure adapted from Türeci et al., *Gene*. 2011 Aug 1;481(2):83-92 and Varadi et al. *Nucleic Acids Res.* Jan 2022;50(D1):D439-D444

- Claudin 18.2 is part of a family of tight junction membrane proteins¹
- Expression in normal tissues is restricted to the gastric mucosa^{2,3}
- Overexpressed in several types of cancers including gastric, pancreatic, esophageal, ovarian, and lung⁴⁻⁷
- Claudin 18.2 expression typically has minimal overlap with HER2 or PD-L1 expression⁸⁻¹⁰
- There are no approved therapies targeting Claudin 18.2¹¹

EO-3021: A Differentiated and Potential Best-in-Class ADC Targeting Claudin 18.2



- **Fully human** IgG1 selective for CLDN18.2, no binding to CLDN18.1
- Site-specific conjugation at glutamine (Q295) increases ADC stability
- Drug-to-antibody ratio (**DAR**) of **2**
- Minimized free MMAE compared to cysteine conjugation

Dan, M. et al. AACR 2023.

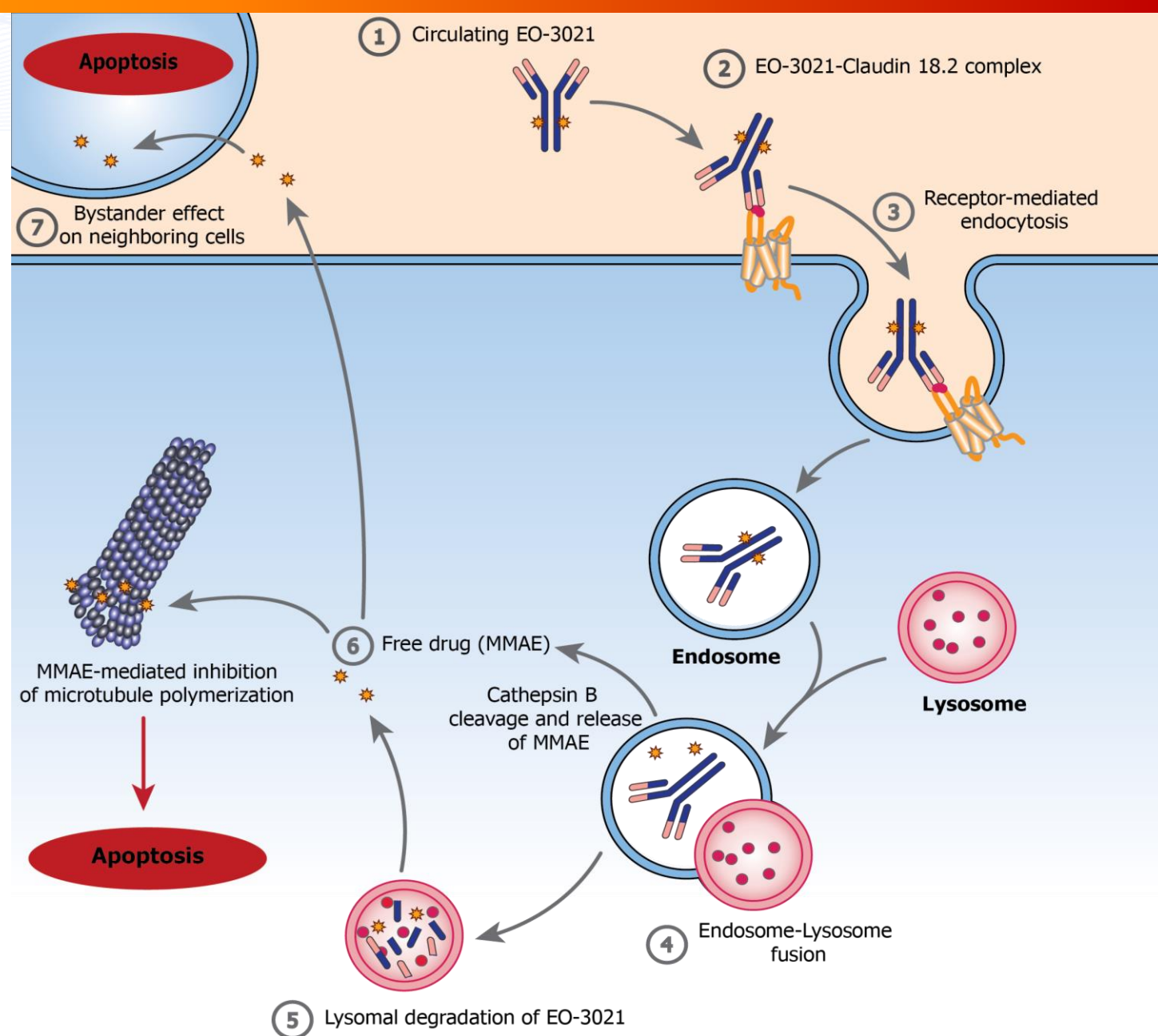


Figure adapted from Tong et al., *Molecules*. 2021; 26(19):5847.

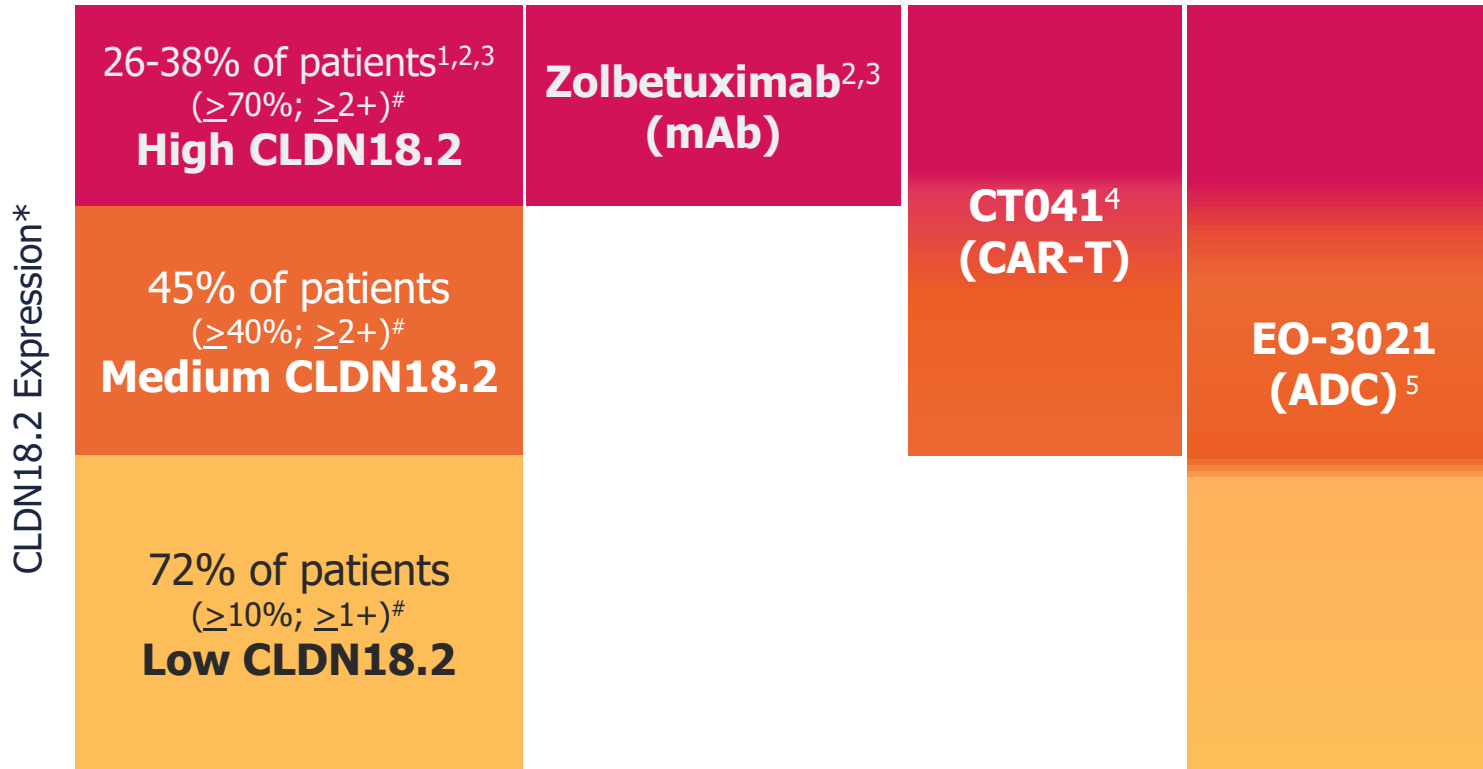
Global Opportunity for the Treatment of Patients with Tumors Expressing Claudin 18.2

Cancer Type	Estimated New Cancer Cases		Claudin 18.2 Expression per Disease Type (IHC*)
	US Incidence ¹	Global Incidence ²	
Gastric	26,500	1,090,000	77% ³ (adenocarcinoma)
Esophageal	21,500	604,000	78% ³ (adenocarcinoma)
Pancreatic	64,000	496,000	59-80% ³⁻⁵ (PDAC)
Ovarian	20,000	314,000	24% ³ (mucinous)
Lung	238,000	2,207,000	6% ⁶ (adenocarcinoma)

- Overexpressed in several high unmet need cancers, including gastric, esophageal, pancreatic, ovarian, and lung, among others³⁻⁶
- Prevalence is highest in gastric, esophageal, and pancreatic adenocarcinomas ($\geq 70\%$)³⁻⁵
- Elevation Oncology's license to EO-3021 is for global territories outside Greater China

*Any level of expression (e.g., $\geq 1\%$ cells with any staining intensity of CLDN18.2)
Abbreviations: US: United States; IHC: Immunohistochemistry; PDAC: Pancreatic ductal adenocarcinoma

Potential for Broader Target Population Using Anti-Claudin 18.2 ADC Compared with Other Modalities



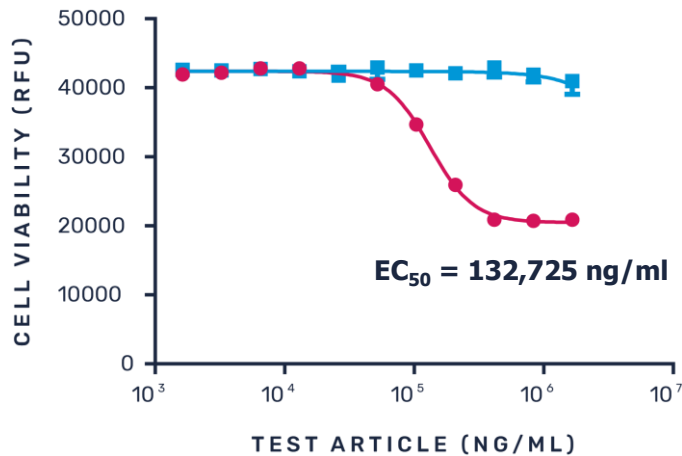
*in gastric/gastroesophageal junction adenocarcinomas
[#]Indicates % of tumor cells expressing CLDN18.2;
 CLDN18.2 IHC staining intensity

- mAb and CAR-T approaches may need majority of cells with medium-to-high expression of CLDN18.2 for anti-tumor activity^{2,3,4}
- An ADC approach can potentially target tumors with varying levels of CLDN18.2 expression
- EO-3021 could potentially capture a broader patient population and greater commercial opportunity when compared to mAb and CAR-T approaches

EO-3021 *in vitro* Activity in Cell Lines Expressing Claudin 18.2

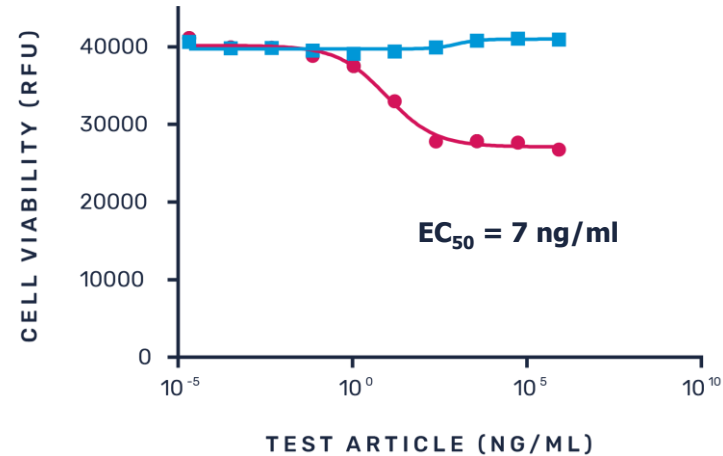
Pancreatic Cancer¹

PATU8988S
CLDN18.2 Low



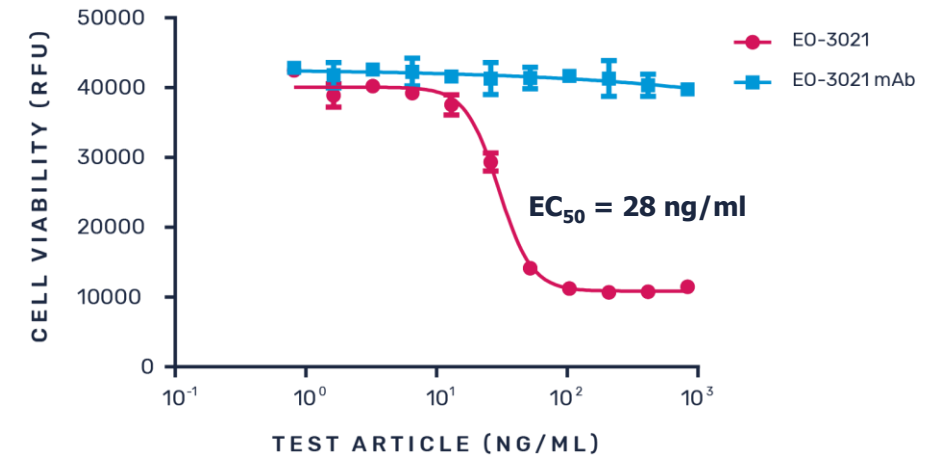
Gastric Cancer¹

NCI-N87-18.2
CLDN18.2 Medium
HER2 Amplified



Pancreatic Cancer¹

BxPC3-18.2
CLDN18.2 High

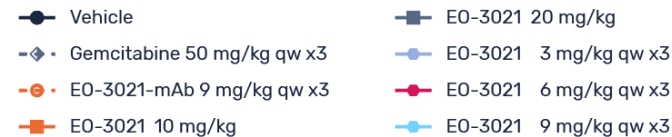
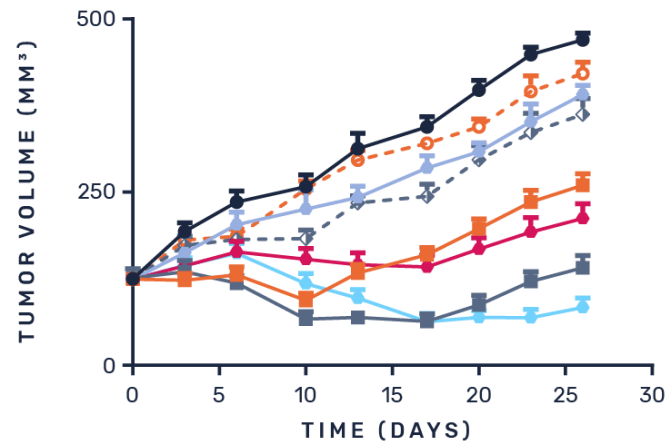


Approximately 15% of CLDN18.2 expressing gastric cancers co-express HER2²⁻⁴

Single Dose of **EO-3021** Confers Tumor Regression in CLDN18.2 Expressing Models

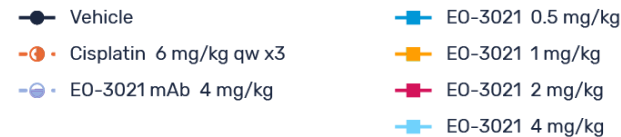
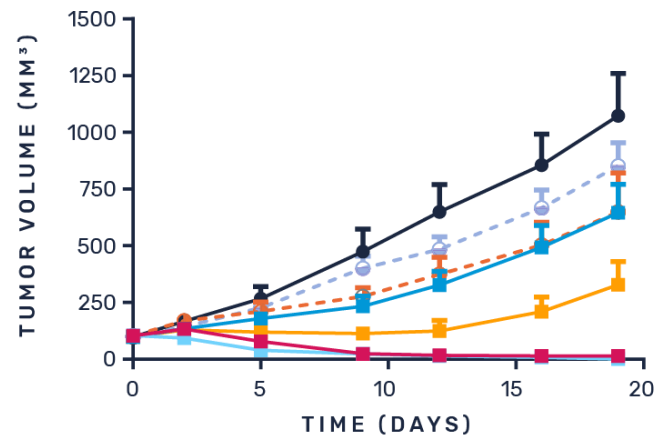
Pancreatic Xenograft Model¹

PATU8988S
CLDN18.2 Low



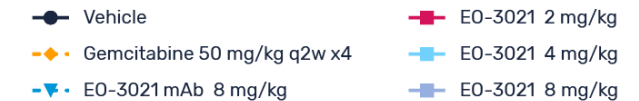
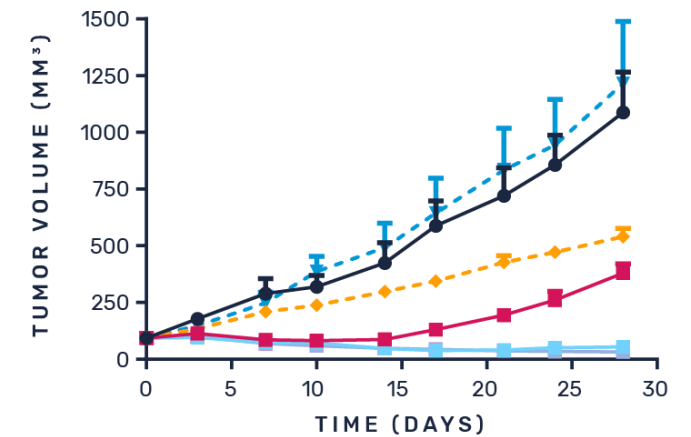
Gastric Xenograft Model¹

NUGC4-18.2
CLDN18.2 Medium, HER2 Amplified



Pancreatic Xenograft Model¹

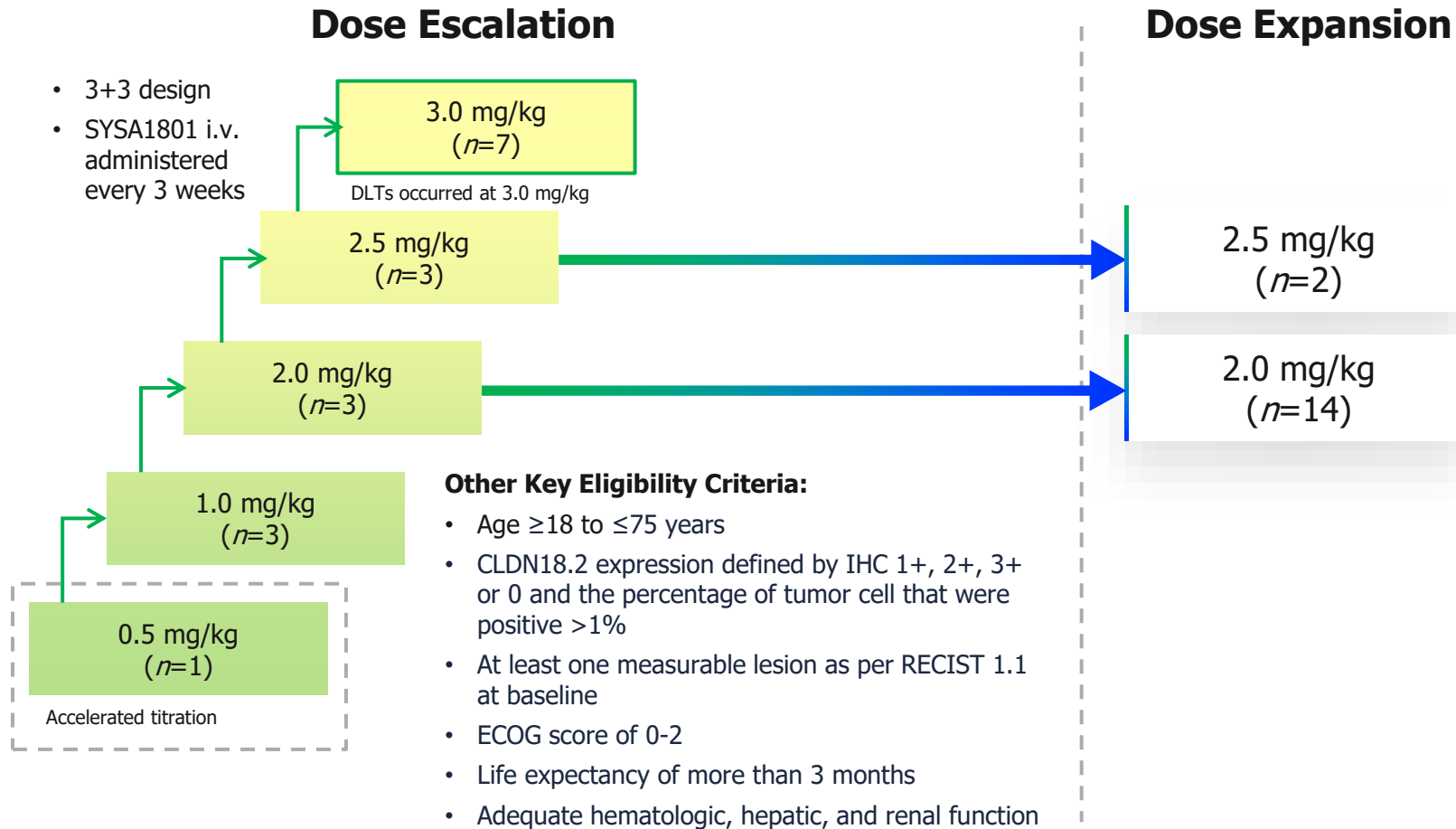
BxPC3-18.2
CLDN18.2 High



Nu/nu mice were administered single dose of Tx, unless otherwise indicated. Dosing initiated on day 0.

Phase 1 Study of SYSA1801 (EO-3021) in CLDN18.2 Positive Solid Tumors¹: CSPC Sponsored Study in China

(NCT05009966)



- Open-label, multi-center, Phase I study
- Patients with histologically confirmed resistant/refractory solid tumors that express CLDN18.2 who progressed on or were intolerant to standard treatment, or had no standard treatment were recruited.
- Study Outcomes:
 - Primary endpoint:
 - Safety²
 - Secondary endpoints:
 - Pharmacokinetics profiles
 - Efficacy³

SYSA1801 (EO-3021): Patient Demographics and Disease Characteristics¹

CHARACTERISTICS		DOSE LEVELS					TOTAL (N=33)
		0.5 mg/kg (N=1)	1.0 mg/kg (N=3)	2.0 mg/kg (N=17)	2.5 mg/kg (N=5)	3.0 mg/kg (N=7)	
Age	Median (range)	48.0 (48, 48)	62.0 (47, 69)	61.0 (29, 71)	49.0 (42, 64)	47.0 (22, 67)	59.0 (22, 71)
Sex; n (%)	Male	1 (100.0)	1 (33.3)	12 (70.6)	2 (40.0)	4 (57.1)	20 (60.6)
Disease Type; n (%)	Gastric Cancer	1 (100.0)	2 (66.7)	13 (76.5)	5 (100.0)	5 (71.4)	26 (78.8)
	Pancreatic Cancer	0 (0.0)	1 (33.3)	4 (23.5)	0 (0.0)	2 (28.6)	7 (21.2)
ECOG PS; n (%)	0	0 (0.0)	0 (0.0)	5 (29.4)	0 (0.0)	0 (0.0)	5 (15.2)
	1	1 (100.0)	3 (100.0)	12 (70.6)	5 (100.0)	7 (100.0)	28 (84.8)
Prior Lines of Therapy; n (%)	1-2 Lines	1 (100.0)	3 (100.0)	12 (70.6)	3 (60.0)	3 (42.9)	22 (66.7)
	≥3 Lines	0 (0.0)	0 (0.0)	5 (29.4)	2 (40.0)	4 (57.1)	11 (33.3)
Metastasis	Yes	1 (100.0)	3 (100.0)	17 (100.0)	5 (100.0)	7 (100.0)	33 (100.0)
	No	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Numbers of Metastatic Organs; n (%)	≤2	0 (0.0)	3 (100.0)	13 (76.5)	3 (60.0)	5 (71.4)	24 (72.7)
	≥3	1 (100.0)	0 (0.0)	4 (23.5)	2 (40.0)	2 (28.6)	9 (27.3)

SYSA1801 (EO-3021): Safety and Tolerability Profile

Treatment-related adverse events occurring in >20% of patients¹

	DOSE LEVELS					TOTAL (N=33)
	0.5 mg/kg (N=1)	1.0 mg/kg (N=3)	2.0 mg/kg (N=17)	2.5 mg/kg (N=5)	3.0 mg/kg (N=7)	
Nausea	0 (0.0)	1 (33.3)	7 (41.2)	0 (0.0)	6 (85.7)	14 (42.4)
≥ Grade 3	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (42.9)	3 (9.1)
Vomiting	0 (0.0)	2 (66.7)	5 (29.4)	0 (0.0)	5 (71.4)	12 (36.4)
≥ Grade 3	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (28.6)	2 (6.1)
Dry Eye Syndrome	1 (100.0)	2 (66.7)	3 (17.6)	0 (0.0)	1 (14.3)	7 (21.2)
≥ Grade 3	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Anemia	0 (0.0)	2 (66.7)	3 (17.6)	0 (0.0)	2 (28.6)	7 (21.2)
≥ Grade 3	0 (0.0)	0 (0.0)	1 (5.9)	0 (0.0)	0 (0.0)	1 (3.0)

- Two DLTs (grade-3 nausea and vomiting) occurred at the 3.0 mg/kg dose
- TRAEs of any grade occurred in 25 patients (75.8%), in which 8 (24.2%) were ≥ grade 3
- No treatment-related death

Site-specific conjugation potentially enables stability of linker and payload for an improved safety profile

SYSA1801 (EO-3021): Anti-tumor Activity with Confirmed Responses in Gastric Cancer¹



Patients with gastric cancer

- 47.1% ORR (8 of 17) (95% CI 0.23, 0.72)
- 64.7% DCR

All evaluable

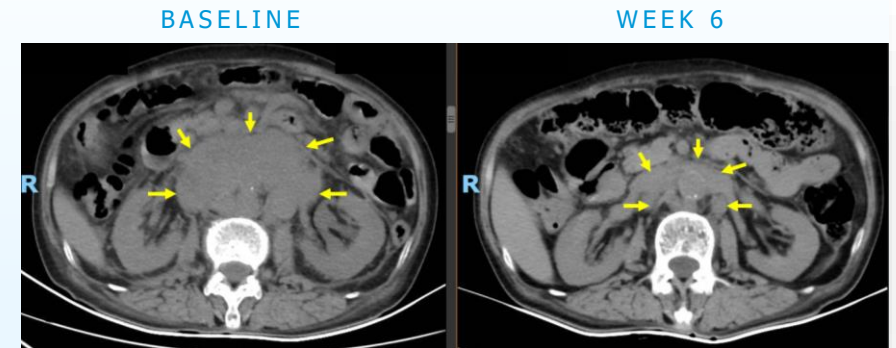
- 38.1% ORR (8 of 21) in all evaluable patients (95% CI 0.18, 0.62)
- 57.1% DCR

Abbreviations: ORR = objective response rate; PD = progressive disease; SD = stable disease; PR = partial response; cPR = confirmed partial response; DCR = disease control rate

SYSA1801 (EO-3021) Activity in Patients with Gastric Cancer

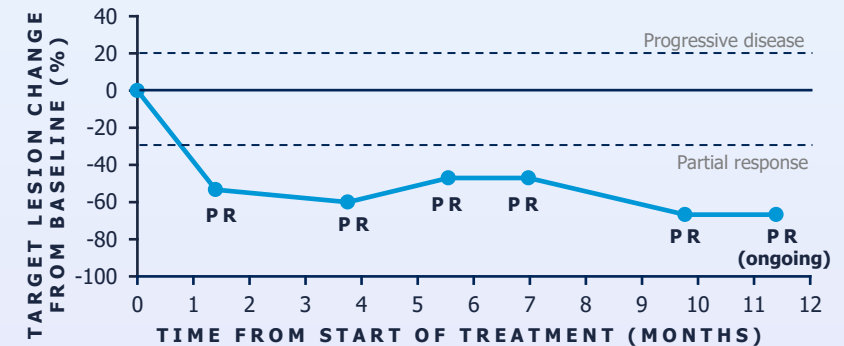
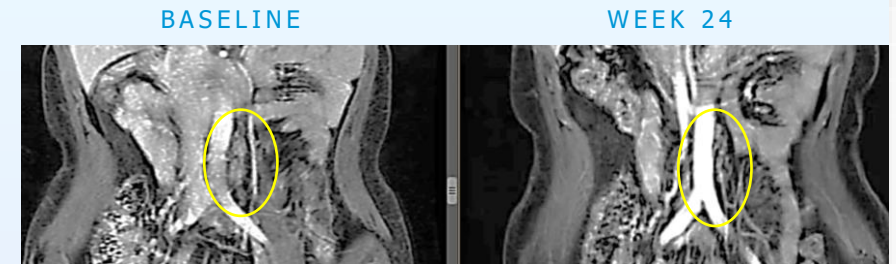
- **Patient:** 64-year-old female with gastric cancer
- **CLDN 18.2 IHC:** 3+ 35%, 2+ 15%, 1+ 10%
- **Prior Therapy:** Previously treated with 3 lines of therapy
- **SYSA1801 (EO-3021) treatment:** 2.0 mg/kg IV Q3W (ongoing)

Wang Y, et al. ASCO 2023.



- **Patient:** 47-year-old female with gastric cancer
- **Metastases:** lymph nodes
- **Prior therapy:** XELOX (oxaliplatin + capecitabine) with immunotherapy
- **SYSA1801 (EO-3021) treatment:** 1.0 mg/kg IV Q3W x 12 cycles (ongoing)
- **Target Lesion:** Retroperitoneal lymph node
- **RECIST v1.1:** Best overall response of confirmed partial response (66.7% maximal tumor reduction)
- **Duration of response:** ~11 months (ongoing)

Dornan D, et al. Presented at: AACR 2023 Annual Meeting: April 14-19, 2023; Orlando, FL. Presentation ND11

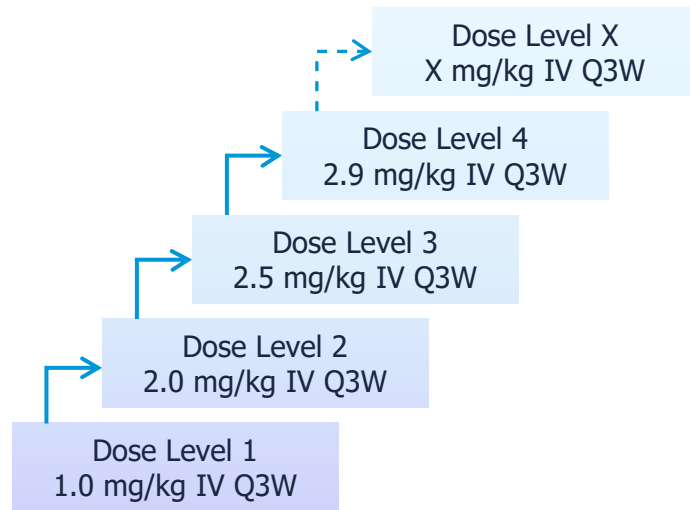


Images courtesy of Peking University Cancer Hospital & Institute

Phase 1 Dose Escalation and Expansion Study of EO-3021 in Solid Tumors Likely to Express CLDN18.2

(NCT05980416)

Part A: Dose Escalation



- Advanced unresectable or metastatic gastric cancer/GEJ, pancreatic cancer, esophageal cancer
- Bayesian Optimal Interval (BOIN) design with 3 + 3 lead in
- Approximately 30 patients total in dose escalation with optional backfill slots for additional patients
- Expression of CLDN18.2 is not required; tumor samples will be collected for retrospective assessment of CLDN18.2 by IHC

Part B: Expansion

Gastric/GEJ

- Progressed on or after standard therapy, or are intolerable for available standard therapy
- Provision of tumor tissue (archived and fresh biopsy, if medically feasible) for retrospective biomarker assessment of CLDN18.2 expression by IHC

Primary Objectives

- Safety and tolerability of EO-3021 (Part A)
- Preliminary anti-tumor activity of EO-3021 (Part B)

Secondary Objectives

- Association of tumor CLDN18.2 expression by IHC and objective response

Milestones

- ✓ Study initiated in August 2023
- ✓ Expanded study globally; dosed first patient in Japan in February 2024
- Initial safety and efficacy data from ongoing Phase 1 trial by mid-3Q 2024
- Additional data from ongoing Phase 1 trial expected in 1H 2025

Expanding to Evaluate EO-3021 in Combination Therapy

Opportunity to **deliver better treatment options to patients** in first and second-line settings

Safety profile suggests EO-3021 is **readily combinable**:

- Site-specific conjugation differentiates EO-3021: stability of linker-payload enable improved safety profile
- Limited MMAE-related toxicities observed in preclinical studies and CSPC's Phase 1 clinical trial of SYSA1801 (EO-3021)

Milestones

- Detail on planned Phase 1 combination study in 1H 2024

Strong rationale to combine with **existing standards of care**:

Immunotherapy is becoming mainstay of 1L gastric cancer treatment

- Combination with CLDN18.2 ADC could drive further benefit:
 - ADCs with MMAE payload are known to induce immunogenic cell death¹
 - Evidence suggests treatment with anti-Claudin 18.2 mAb upregulates PD-L1²

Chemotherapy + targeted agent is standard-of-care for 2L gastric cancer treatment

- Systemic chemotherapy is highly toxic; opportunity to pair EO-3021 with a targeted agent to potentially deliver improved tolerability and outcomes

An Evolving Claudin 18.2 Treatment Landscape Toward ADCs

As with other targets in oncology, the **Claudin 18.2 landscape is moving toward an ADC-based approach**

Chemotherapy

Gemcitabine, Cisplatin, FOLFOX, paclitaxel, etc.

Combination chemotherapy regimens for DNA damage; limited anti-tumor activity

mAbs

Zolbetuximab

mAbs targeting Claudin 18.2, may need majority of cells with medium-to-high expression of Claudin 18.2

ADCs

EO-3021

ADCs that selectively deliver payload to cells expressing Claudin 18.2 can potentially capture a broader population across Claudin 18.2 expression

KEY MILESTONES

EO-3021



2H 2023

Initiate Phase 1 trial in the US



1H 2024

Details on planned Phase 1 combination study



By mid-3Q 2024

Initial safety and efficacy data from Phase 1 trial



1H 2025

Additional data from Phase 1 trial

HER3-ADC



2H 2024

Nominate development candidate

FINANCIAL

**\$104.1M cash and cash equivalents as of
3/31/2024**

**\$14.5M in net proceeds raised through
ATM facility in 2Q 2024**

**Cash runway to fund operations
into 2026¹**



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THANK YOU

