



Corporate Presentation

April 2024



Forward Looking Statements

These slides contain forward-looking statements and information relating to Elevation Oncology, Inc. within the meaning of, and made pursuant to the safe harbor provisions of, the Private Securities Litigation Reform Act of 1995. You should not place undue reliance on forward-looking statements, as these statements are based upon our current expectations, forecasts, and assumptions and are subject to significant risks and uncertainties. Any statements contained herein or provided orally that are not statements of historical fact may be deemed to be forward-looking statements. In some cases, you can identify forward-looking statements by terms such as “believe,” “may,” “will,” “potentially,” “estimate,” “continue,” “anticipate,” “intend,” “could,” “would,” “project,” “plan,” “expect,” “predict,” “potential” and similar expressions that convey uncertainty of future events or outcomes, although not all forward-looking statements contain these words. Forward-looking statements include all statements other than statements of historical fact contained in this presentation, including information concerning our future financial performance, business plans and objectives, timing and success of our planned development activities, our ability to obtain regulatory approval, the potential therapeutic benefits and economic value of our product candidates, potential growth opportunities, competitive position, industry environment and potential market opportunities.

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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 4Q 2025**

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 update planned for mid-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

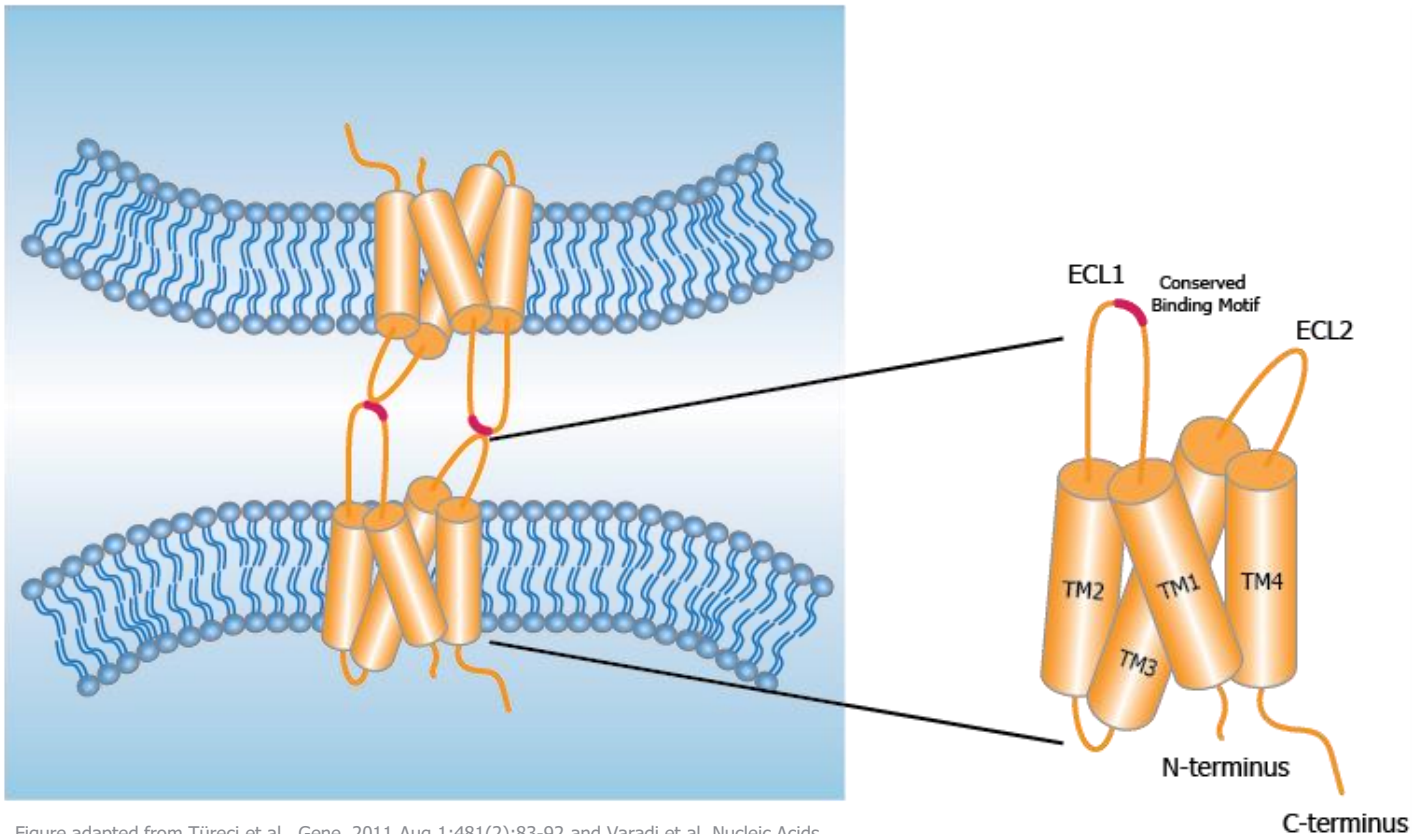
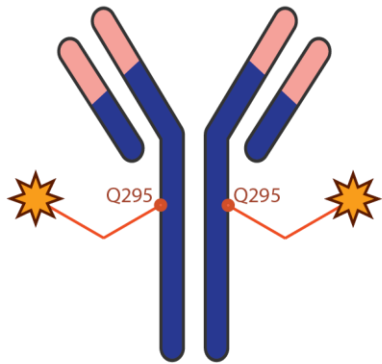


Figure adapted from Türeci et al., *Gene*. 2011 Aug 1;481(2):83-92 and Varadi et al. *Nucleic Acids Res.* Jan 2022;50(D1):D439-D444

- 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.

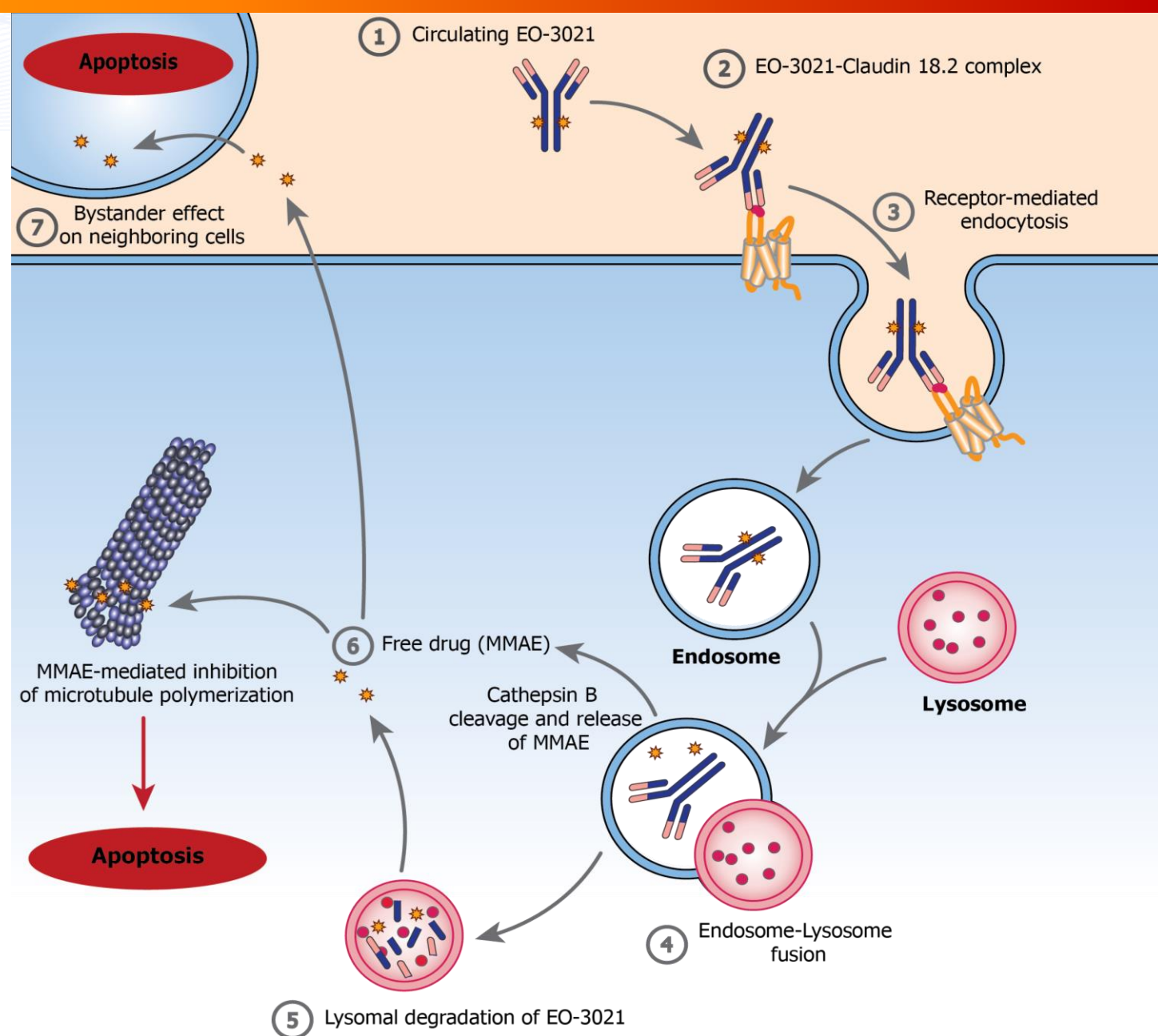


Figure adapted from Tong et al., *Molecules*. 2021; 26(19):5847.

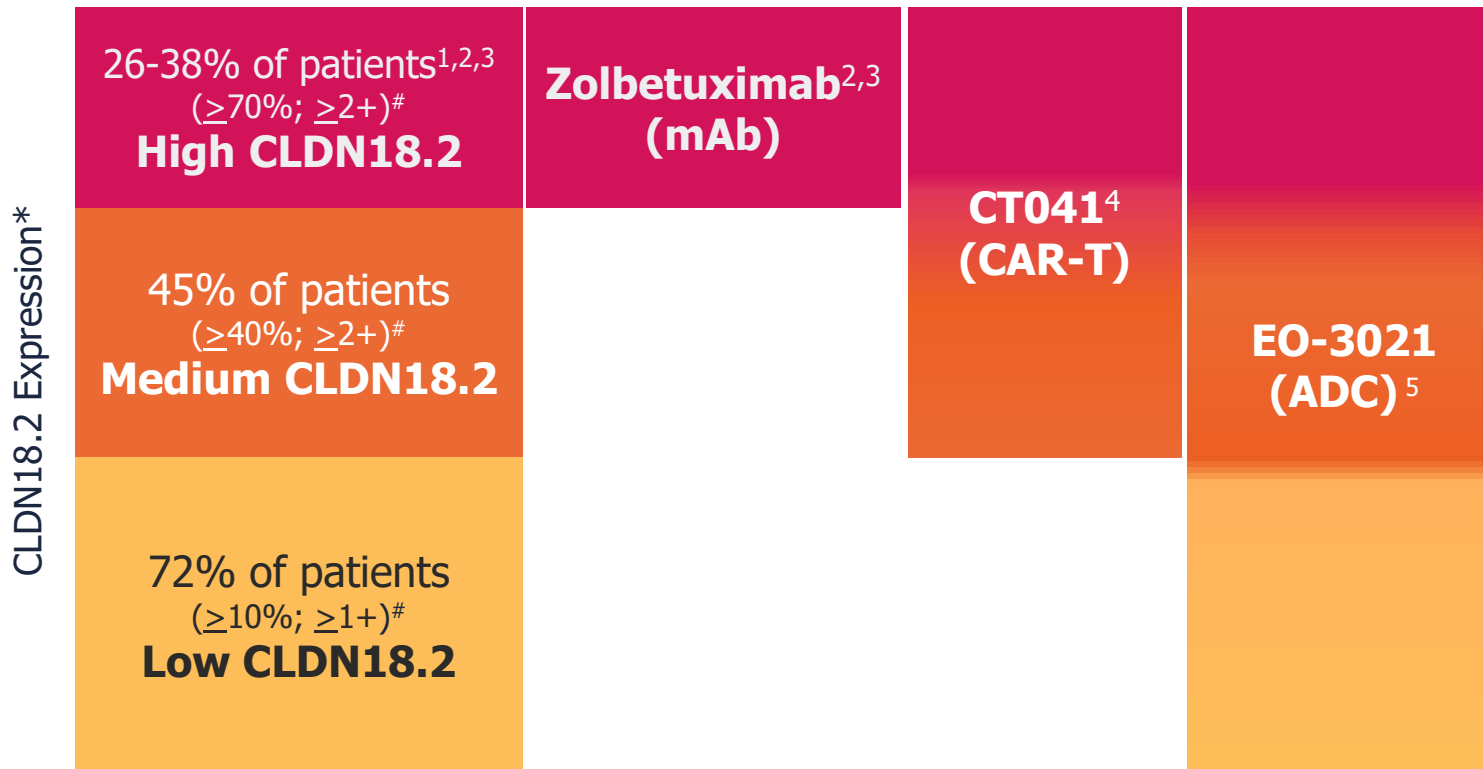
Global Opportunity for the Treatment of Patients with Tumors Expressing Claudin 18.2

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



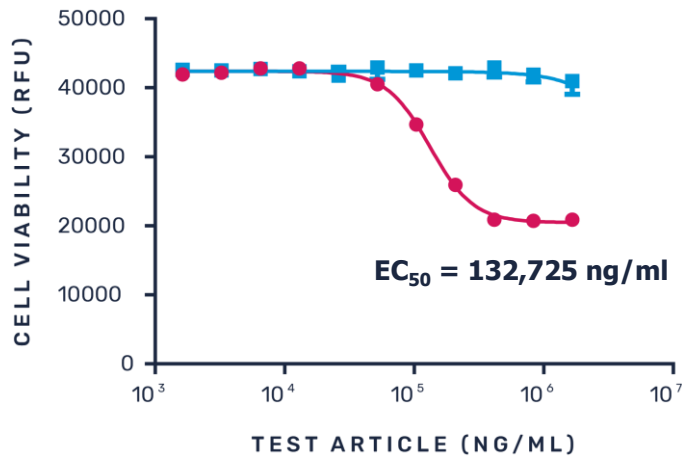
*in gastric/gastroesophageal junction adenocarcinomas
#Indicates % of tumor cells expressing CLDN18.2;
CLDN18.2 IHC staining intensity

- 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

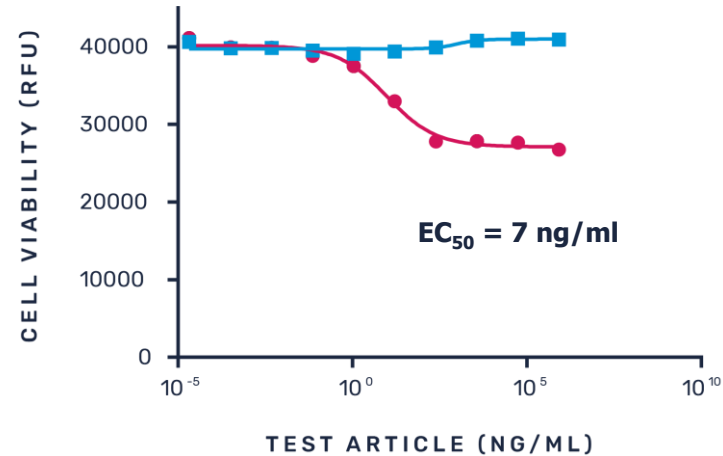
Pancreatic Cancer¹

PATU8988S
CLDN18.2 Low



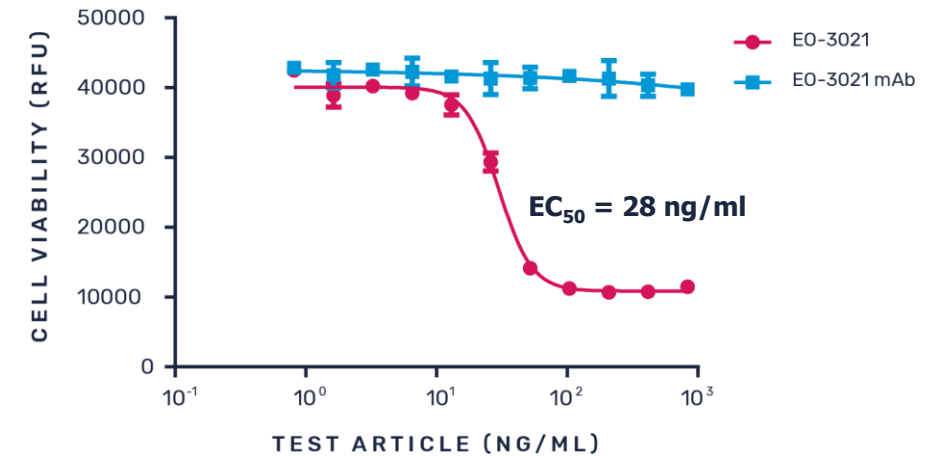
Gastric Cancer¹

NCI-N87-18.2
CLDN18.2 Medium
HER2 Amplified



Pancreatic Cancer¹

BxPC3-18.2
CLDN18.2 High

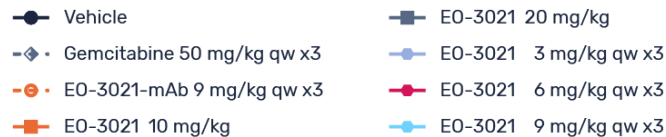
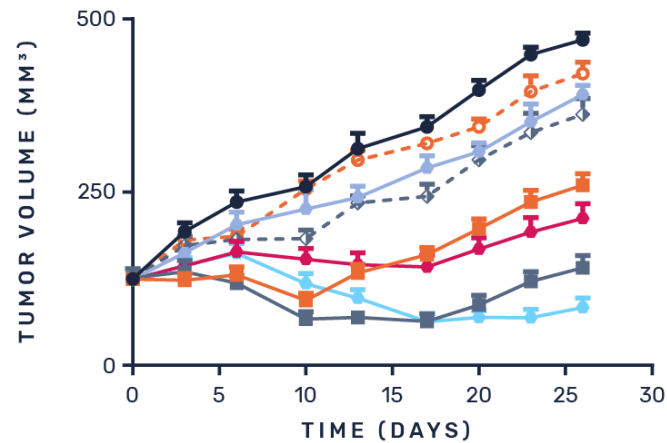


Approximately 15% of CLDN18.2 expressing gastric cancers co-express HER2²⁻⁴

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

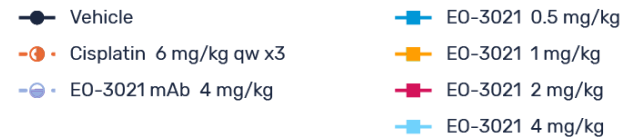
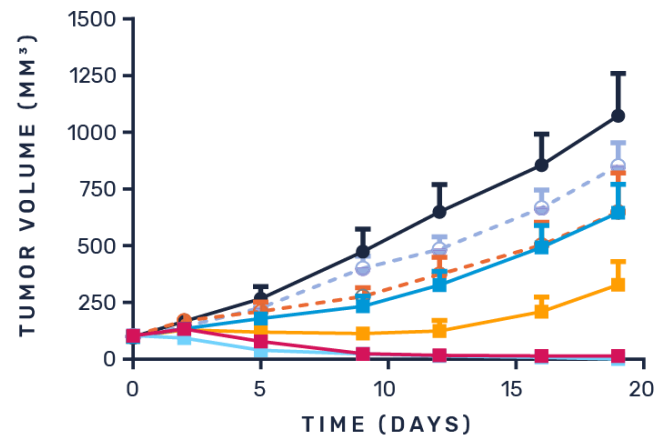
Pancreatic Xenograft Model¹

PATU8988S
CLDN18.2 Low



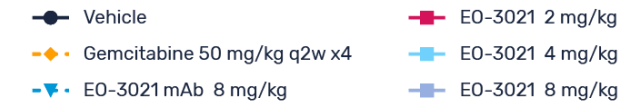
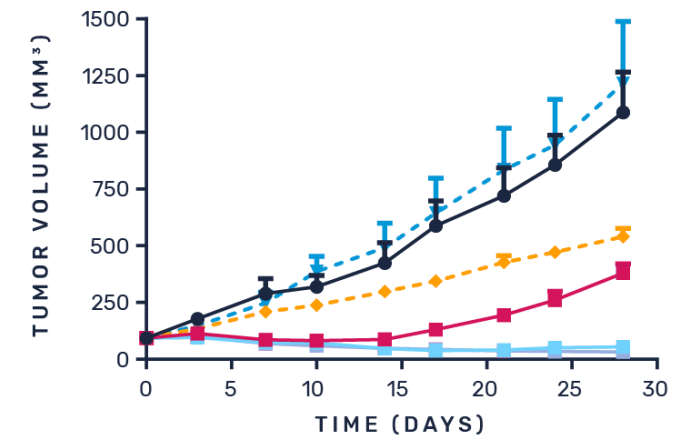
Gastric Xenograft Model¹

NUGC4-18.2
CLDN18.2 Medium, HER2 Amplified



Pancreatic Xenograft Model¹

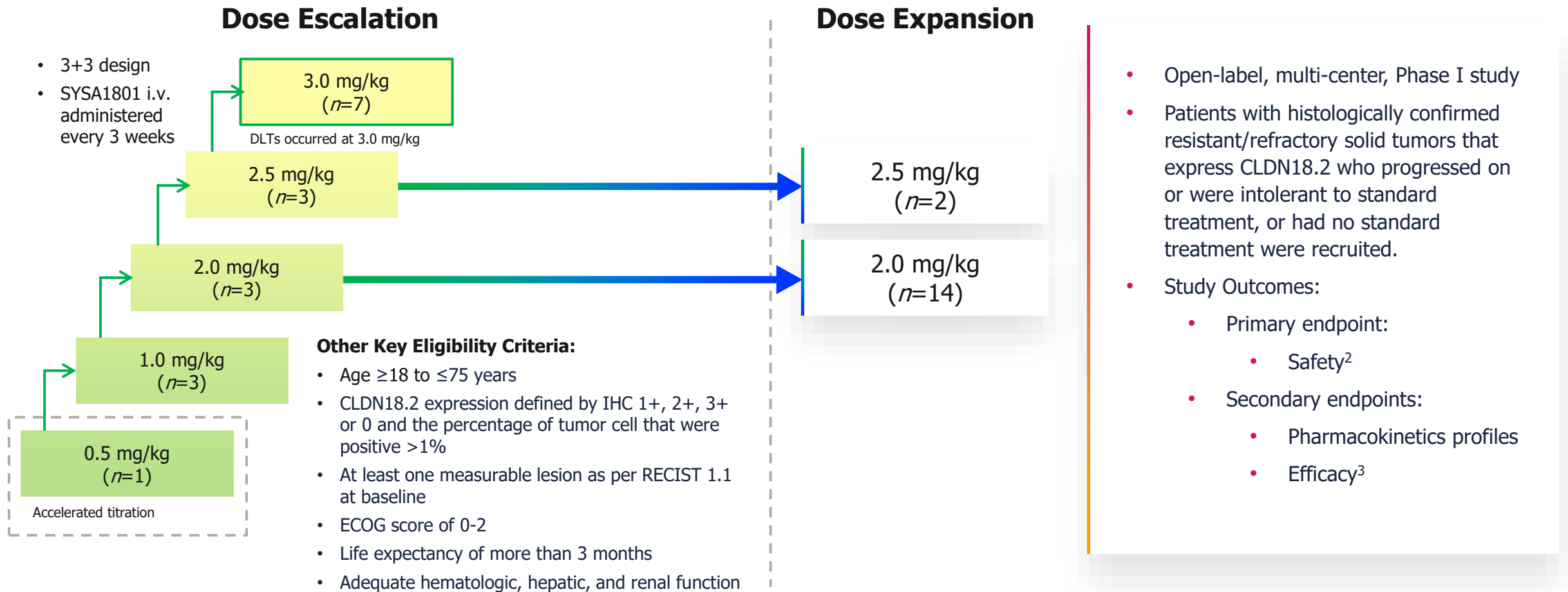
BxPC3-18.2
CLDN18.2 High



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)



SYSA1801 (EO-3021): Patient **Demographics and Disease Characteristics**¹

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

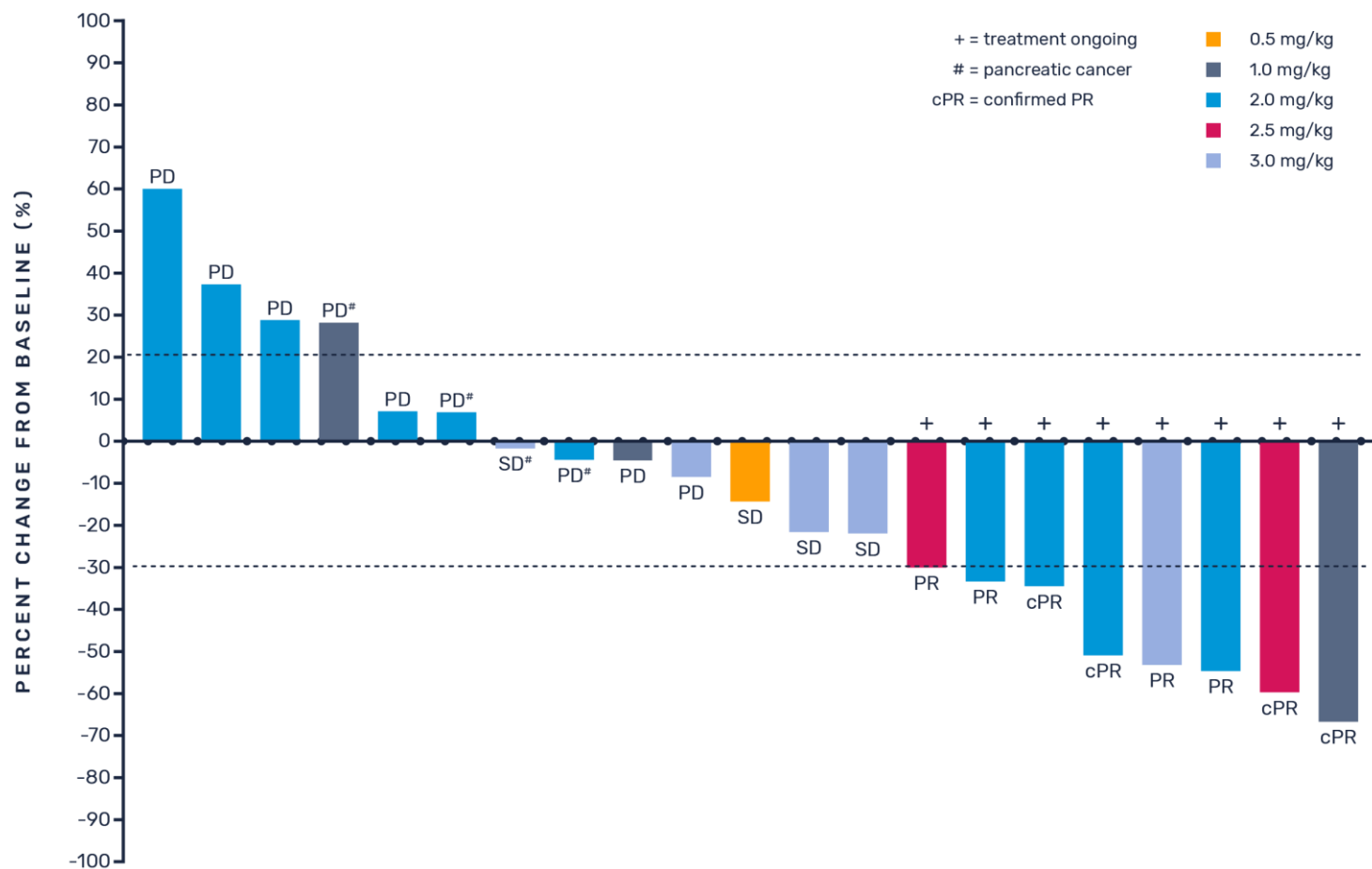
Treatment-related adverse events occurring in >20% of patients¹

	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

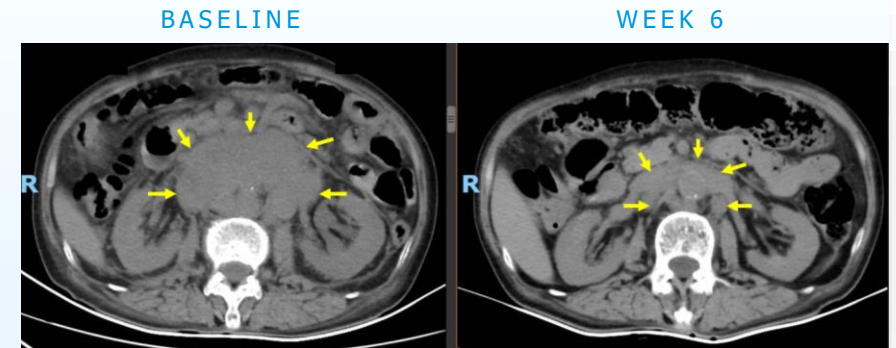
- 38.1% ORR (8 of 21) in all evaluable patients (95% CI 0.18, 0.62)
- 57.1% DCR

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

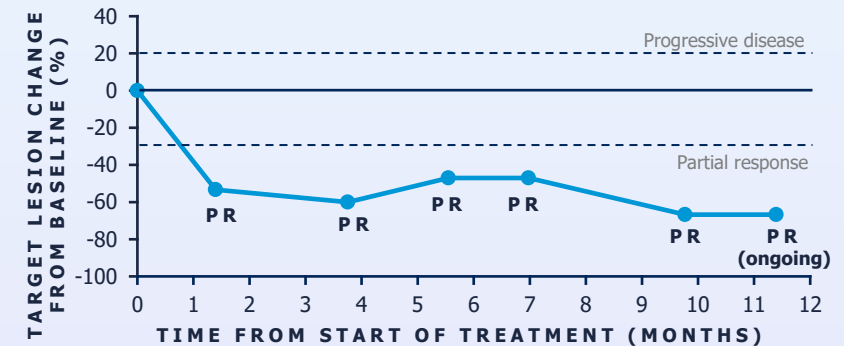
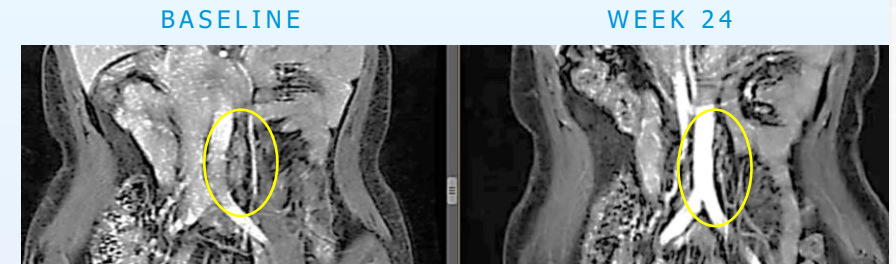
- **Patient:** 64-year-old female with gastric cancer
- **CLDN 18.2 IHC:** 3+ 35%, 2+ 15%, 1+ 10%
- **Prior Therapy:** Previously treated with 3 lines of therapy
- **SYSA1801 (EO-3021) treatment:** 2.0 mg/kg IV Q3W (ongoing)

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

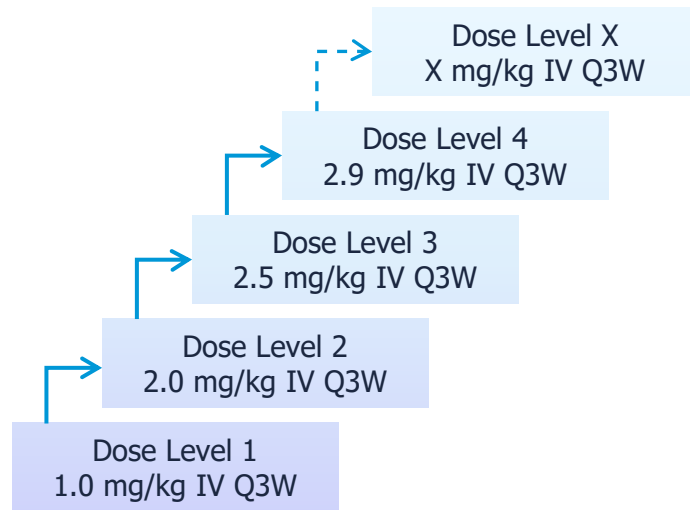


Images courtesy of Peking University Cancer Hospital & Institute

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
- Update from ongoing Phase 1 trial in mid-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

Detail on planned Phase 1 combination study



Mid-2024

Update from Phase 1 trial



1H 2025

Additional data from Phase 1 trial

HER3-ADC



2024

Nominate development candidate

FINANCIAL

~\$83M cash and cash equivalents as of YE 2023

~\$17M in net proceeds raised through ATM facility in 1Q 2024

Cash runway to fund operations into 4Q 2025*



ELEVATION
ONCOLOGY

THANK YOU

