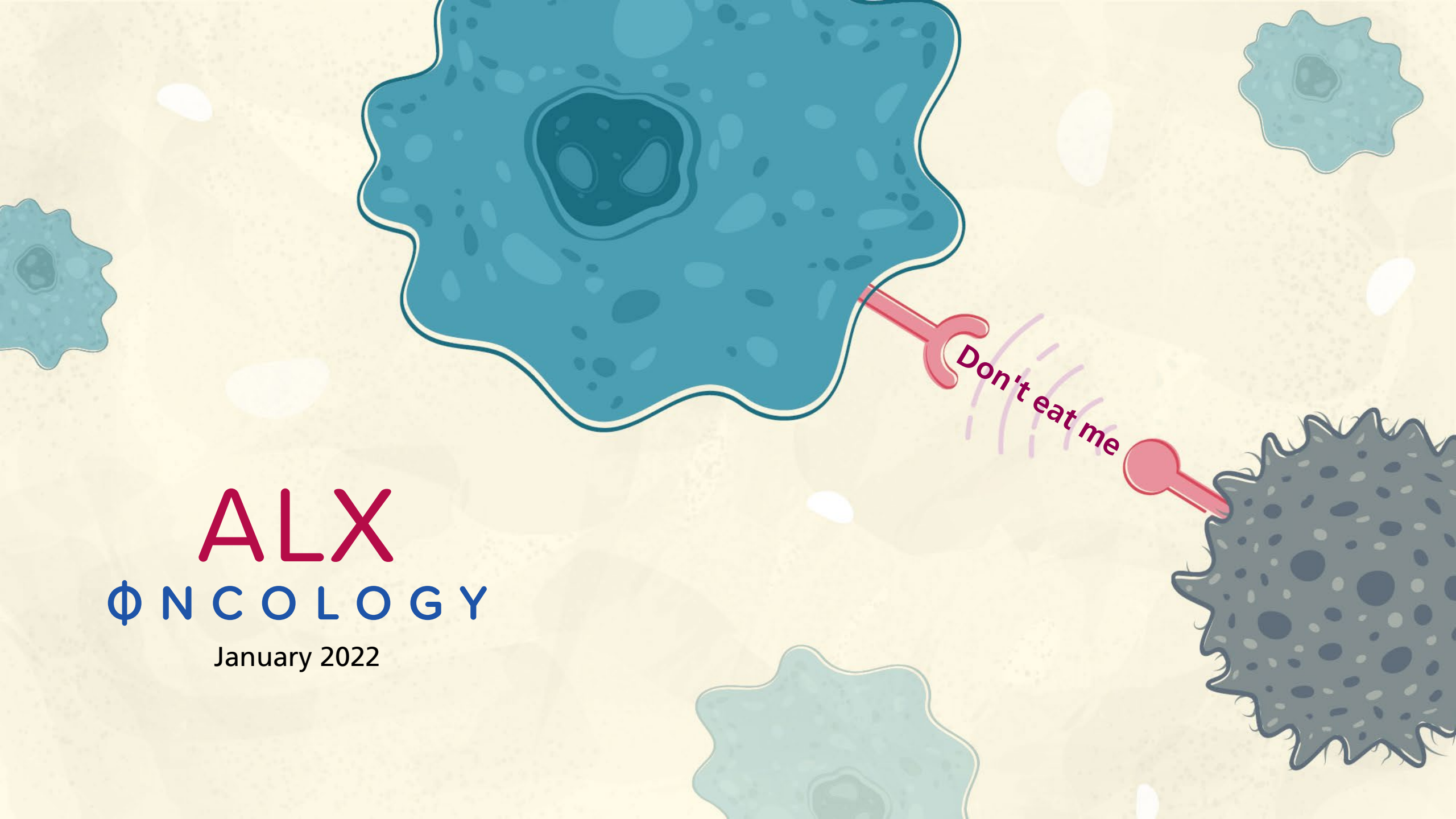

ALX ONCOLOGY

January 2022

DISCLAIMER

This presentation contains forward-looking statements that involve substantial risks and uncertainties. Forward-looking statements include statements regarding future results of operations and financial position, business strategy, product candidates, planned preclinical studies and clinical trials, results of clinical trials, research and development costs, regulatory approvals, timing and likelihood of success, plans and objects of management for future operations, as well as statements regarding industry trends. Such forward-looking statements are based on ALX Oncology's beliefs and assumptions and on information currently available to it on the date of this presentation. Forward-looking statements may involve known and unknown risks, uncertainties and other factors that may cause ALX Oncology's actual results, performance or achievements to be materially different from those expressed or implied by the forward-looking statements. These and other risks are described more fully in ALX Oncology's filings with the Securities and Exchange Commission ("SEC"), including ALX Oncology's Annual Report on Form 10-K and other documents ALX Oncology files with the SEC from time to time. Except to the extent required by law, ALX Oncology undertakes no obligation to update such statements to reflect events that occur or circumstances that exist after the date on which they were made.

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ALX ONCOLOGY

ADVANCING A HIGHLY DIFFERENTIATED IMMUNO-ONCOLOGY PIPELINE

ALX Oncology (Nasdaq: ALXO) is advancing a pipeline of candidates based on expertise in protein engineering and oncology led by the CD47 blocker, evorpacept, currently in phase 2 clinical trials

Evorpacept (myeloid checkpoint inhibitor) as a cornerstone therapy

Randomized phase 2 trials enrolling in 3 solid tumor indications: gastric/gastroesophageal cancer and 2 head and neck squamous cell carcinoma trials

Ongoing early clinical trials in 2 hematologic malignancies: myelodysplastic syndromes and acute myeloid leukemia

Continuing to broaden potential uses in new combinations and tumor types.

Building early stage pipeline

Ongoing IND-enabling development of ALTA-002 through 50/50 joint collaboration.

Early preclinical development of tumor-activated antibody platform.

Strong financial position

Cash and equivalents of $385.1M as of September 30, 2021.

Expected cash runway into 2024.

Collaboration partners

Merck, Eli Lilly, Zymeworks

ALX ONCOLOGY

EVORPACEPT'S BROAD CLINICAL DATA SUPPORTS ITS DIFFERENTIATED POTENTIAL

Evorpacept was designed to:

Work in combinations

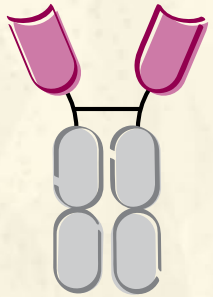
- \+ Antibodies
- \+ Checkpoint inhibitors
- \+ Chemotherapy

Target broad tumor indications

- Solid tumors
- Hematology

Be convenient and tolerable for patients

- Flexible dosing schedule
- Targets cancer cells



Evorpacept:

A phase 2 CD47 blocker designed to be a cornerstone of cancer treatments

Evorpacept's clinical data shows promising initial activity in:

Solid tumor combinations:

GC Gastric/Gastroesophageal junction cancer	Herceptin Herceptin + Cyramza + Paclitaxel
HNSCC Head and neck squamous cell carcinoma	Keytruda Keytruda + 5FU + Platinum

Hematology combinations:

MDS Myelodysplastic syndromes	Azacitidine
NHL Non-Hodgkin's lymphoma	Rituximab

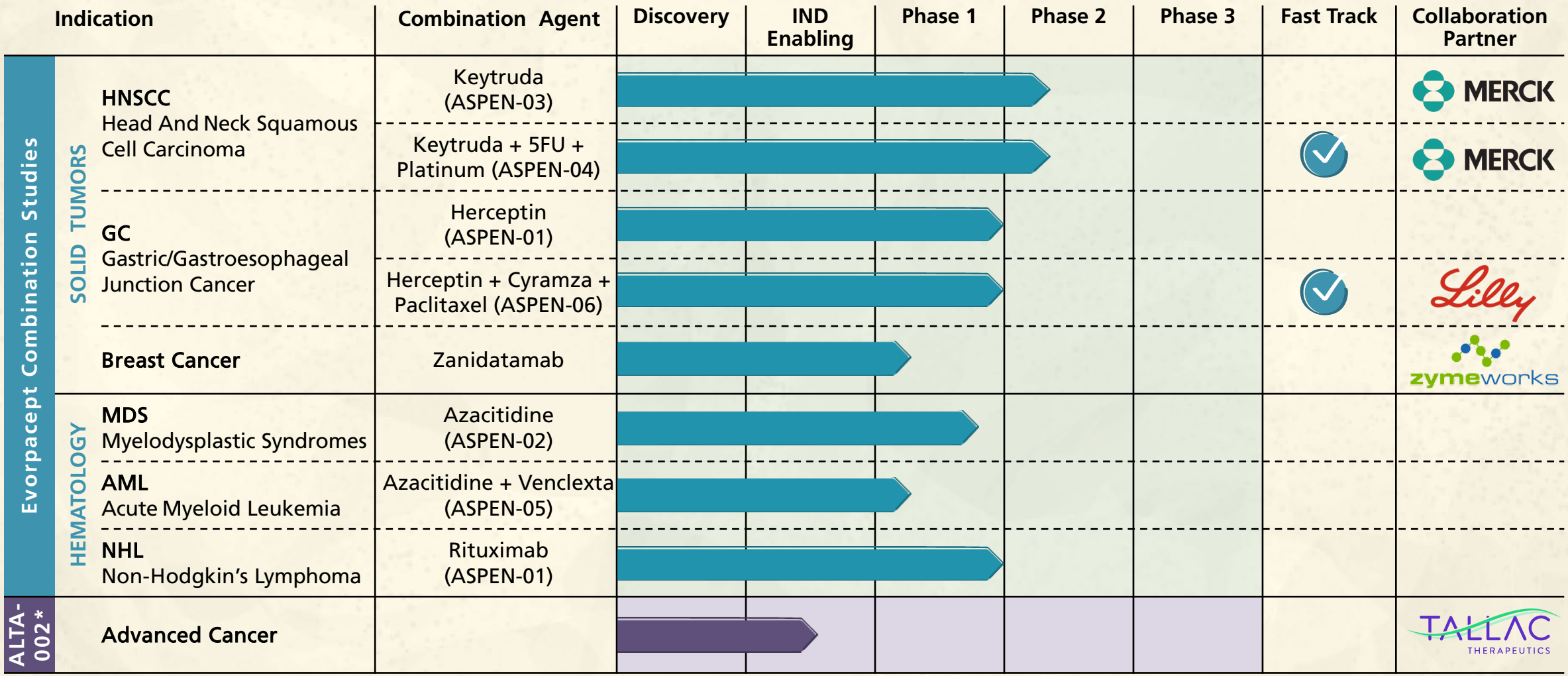
Flexibility and tolerability:

Dosing schedule
15 mg/kg QW, 30 mg/kg Q2W,
45 mg/kg Q3W, 60 mg/kg Q4W.

Tolerability profile
No dose-dependent cytopenias

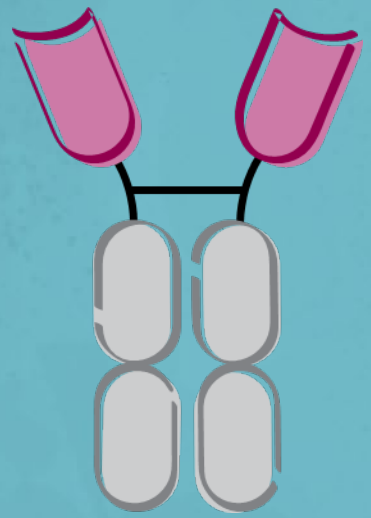
ALX ONCOLOGY

ALX PIPELINE



*SIRPα Toll-like receptor agonist antibody conjugate (TRAAC)

ALX ONCOLOGY

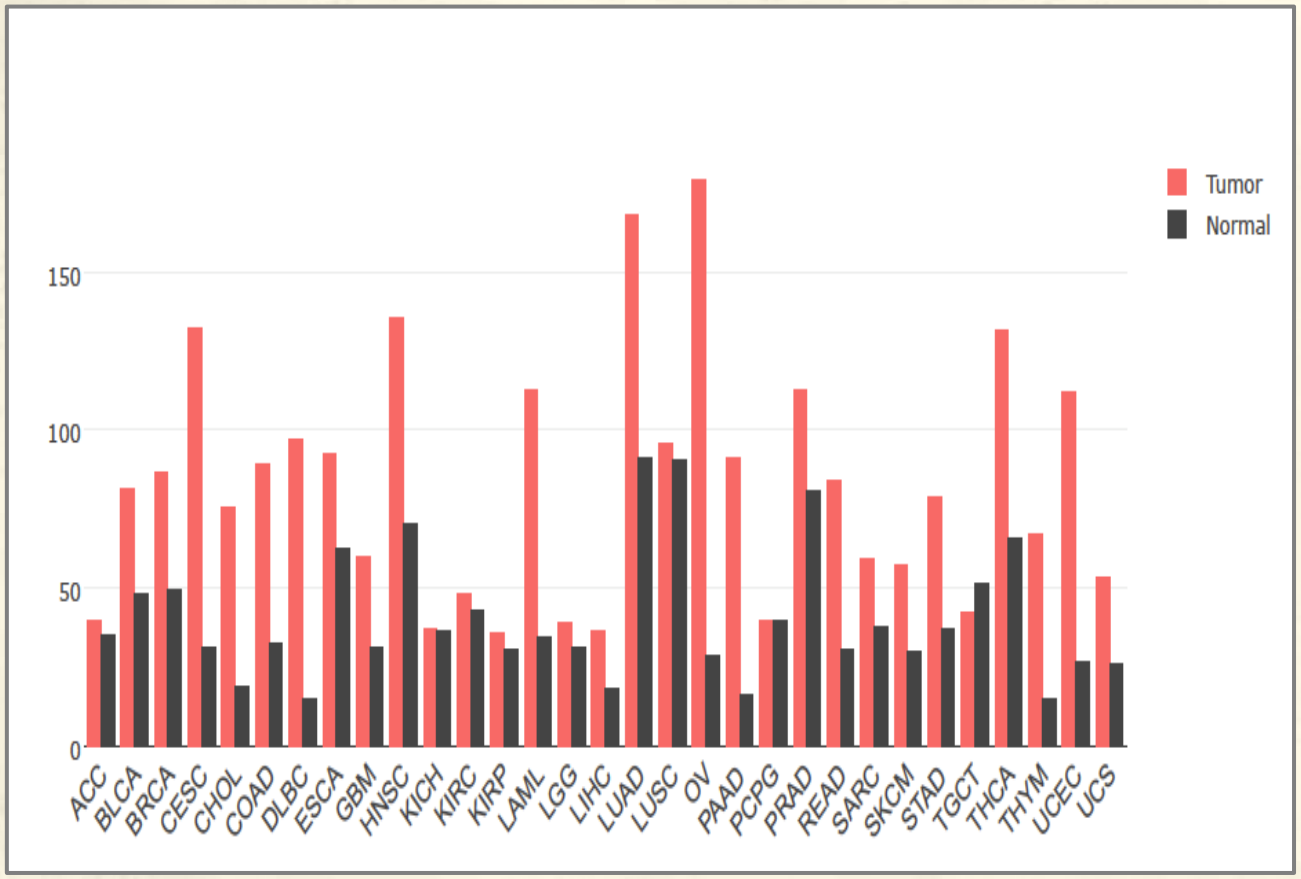


EVORPACEPT (ALX148)

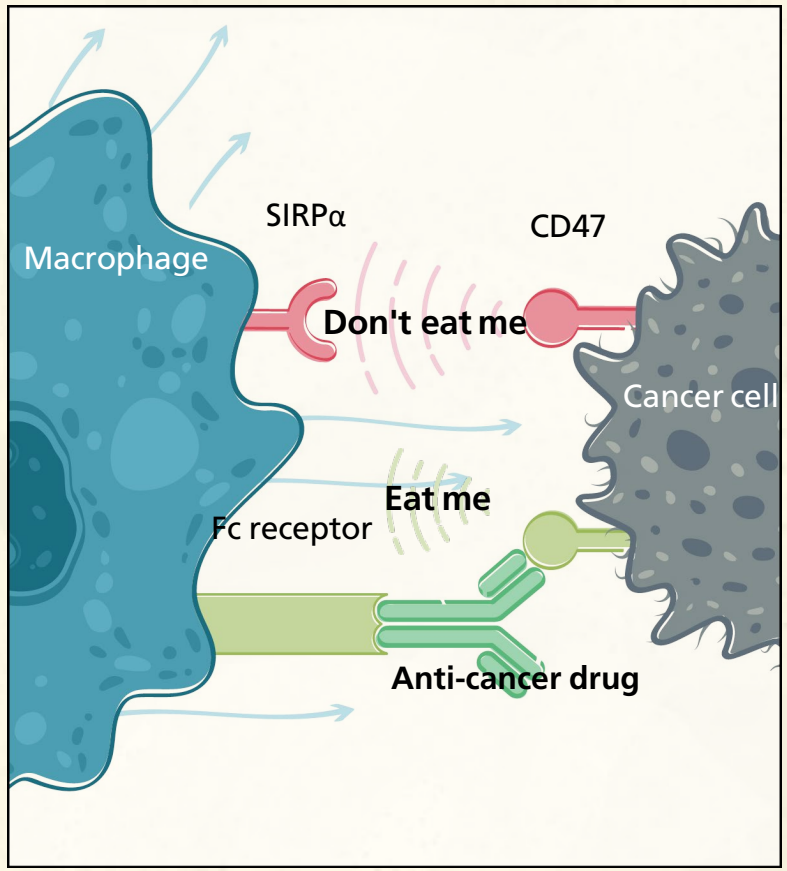
ALX ONCOLOGY

CD47: TUMOR ASSOCIATED ANTIGEN (TAA)- MYELOID CHECKPOINT DUALITY

TAA-Expression levels on cancer and normal cells



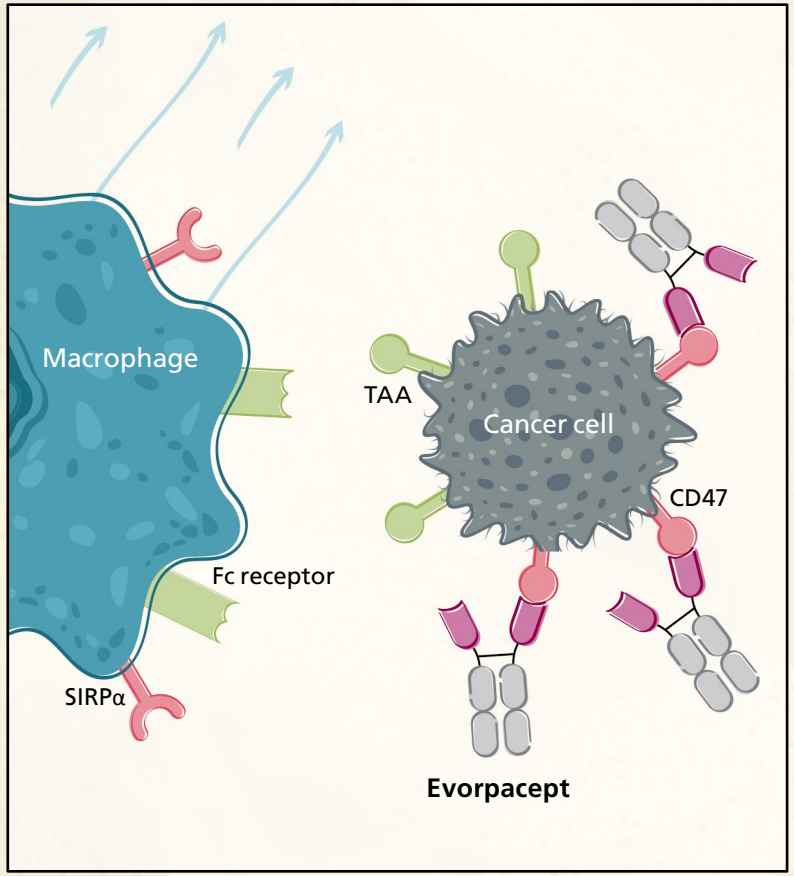
Checkpoint Mechanism: “do not eat me”

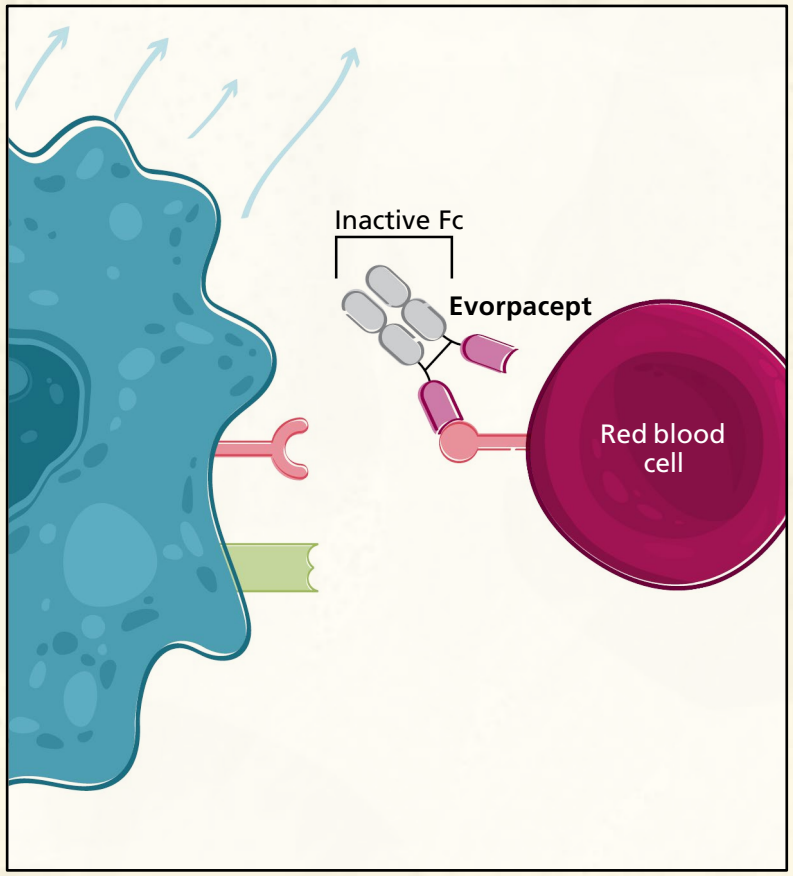


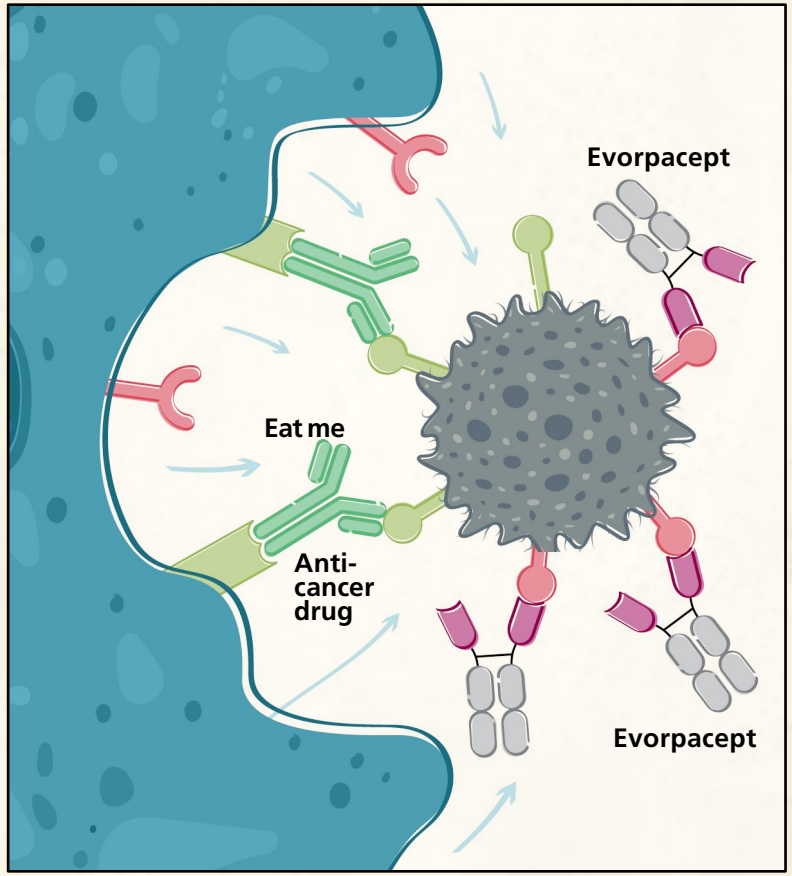
ALX ONCOLOGY

TARGETING CD47 AS CHECKPOINT: ALX ONCOLOGY'S APPROACH

It spares normal cells







Anti CD47 with inactive Fc binds and block CD47-SIRPα interaction

High dose allows full blockade of CD47 and maximizes activity of combo drug

ALX ONCOLOGY

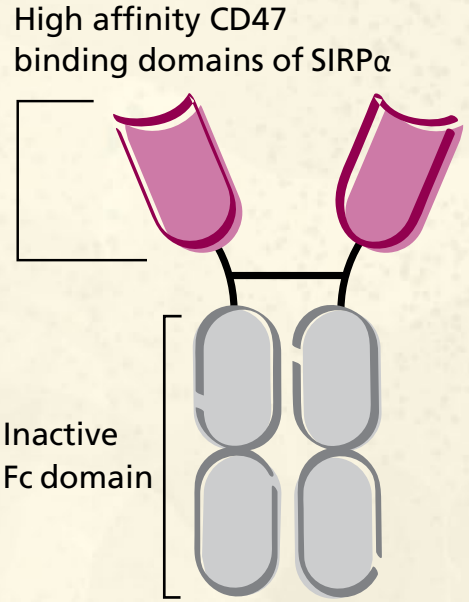
EVORPACEPT: METICULOUSLY DESIGNED CD47 BLOCKER

High affinity CD47 binding domain of SIRPα → **Potently blocks CD47 signal on cancer cells**

Inactive Fc domain eliminates binding activity → **No dose dependent cytopenia**

Presence of Fc domain ensures slow clearance and long half-life → **Less frequent dosing and more flexibility**

Designed for safety and efficacy



- ~Half the molecular weight of an antibody
- Increases solid tumor penetration
- Cross-reactive to human, monkey, mouse
- Standard antibody manufacturing process

ALX ONCOLOGY

EVORPACEPT DEMONSTRATES CONSISTENT TOLERABILITY PROFILE

Treatment related adverse events	evorpacept + Herceptin + Cyramza + chemo (N=18)		evorpacept + Keytruda + chemo (N=13)		evorpacept + Keytruda (N=52)		evorpacept + azacitidine (N=22)	
	Total n (%)	≥Grade 3	Total n (%)	≥Grade 3	Total n (%)	≥Grade 3	Total n (%)	≥Grade 3
Fatigue	2 (11.1%)	-	1 (7.7%)	-	6 (11.5%)	-	-	-
Rash / dermatitis acneiform	4 (22.2%)	-	-	-	5 (9.6%)	-	-	-
AST increased	-	-	-	-	9 (17.3%)	-	-	-
Platelets decreased	-	-	-	-	4 (7.7%)	2 (3.8%)	-	-
ALT increased	-	-	-	-	7 (13.5%)	1 (1.9%)	-	-
Pruritus	2 (11.1%)	-	-	-	5 (9.6%)	-	-	-
Pyrexia	-	-	-	-	3 (5.8%)	-	-	-
Decreased appetite	-	-	-	-	2 (3.8%)	-	-	-
Anemia	1 (5.6%)	-	1 (7.7%)	1 (7.7%)	5 (9.6%)	1 (1.9%)	-	-
Infusion reaction	-	-	-	-	4 (7.7%)	-	4 (18.2%)	-
Neutropenia / neutrophil count decrease	-	-	1 (7.7%)	-	2 (3.8%)	1 (1.9%)	3 (13.6%)	2 (9.1%)
Nausea	-	-	-	-	2 (3.8%)	-	2 (9.1%)	-
Alkaline phosphatase incr	-	-	-	-	3 (5.8%)	-	-	-
Arthralgia	-	-	-	-	3 (5.8%)	-	-	-
WBC decreased	-	-	-	-	3 (5.8%)	-	-	-
Myalgia	-	-	-	-	2 (3.8%)	-	-	-
Diarrhea	3 (16.7%)	-	-	-	-	-	-	-
Urticaria	3 (16.7%)	-	-	-	-	-	-	-
Lymphocyte count decreased	1 (5.6%)	1 (5.6%)	-	-	-	-	-	-
Headache	1 (5.6%)	-	-	-	-	-	-	-
Stomatitis	1 (5.6%)	-	-	-	-	-	-	-
Back pain	1 (5.6%)	-	-	-	-	-	-	-
Vision blurred	1 (5.6%)	-	-	-	-	-	-	-
Abdominal pain / abdominal pain upper	1 (5.6%)	-	-	-	-	-	-	-
Hypersensitivity	-	-	1 (7.7%)	1 (7.7%)	-	-	-	-
Pneumonitis	-	-	1 (7.7%)	-	-	-	-	-
Constipation	-	-	-	-	-	-	3 (13.6%)	-
Vomiting	-	-	-	-	-	-	2 (9.1%)	-

ALX ONCOLOGY

Tolerability profile enables broad combination potential

For combination cohort of evorpacept plus Keytruda, treatment related adverse events occurring in >1 subject in all histologies at 10 & 15 mg/kg QW; data as of April 1, 2020. For combination cohorts of evorpacept plus Keytruda and chemotherapy (5FU, platinum) or plus Herceptin and chemotherapy (Cyramza, paclitaxel), all treatment related adverse events are reported; data as of September 01, 2021. For combination cohort of evorpacept plus azacitidine, treatment related adverse events occurring in >1 subject at 20 & 30 mg/kg Q2W & 60 mg/kg Q4W; data as of Oct 25, 2021.

EVORPACEPT'S INITIAL CLINICAL ACTIVITY IS MAGNIFIED IN SURVIVAL-BASED ENDPOINTS ACROSS SOLID TUMOR TYPES IN MULTIPLE TRIALS

Population	≥2L HER2+ GC		1L HNSCC		≥2L HNSCC (CPI-Naïve)	
Combination (N-evaluable)	evorpacept + Herceptin + Cyramza + paclitaxel (N=18)		evorpacept + Keytruda + 5FU + platinum (N=13)		evorpacept + Keytruda (N=10)	
ORR	evorpacept 72%	benchmark[1] 28%	evorpacept 39%	benchmark[2] 36%	evorpacept 40%	benchmark[3] 15%
mPFS (months)	17.1	4.4	5.6	4.9	4.6	2.1
mOS (months)	17.1	9.6	NR	13.0	24.5	8.4
OS rate at 12 months	79%	40%	88%	53%	80%	37%
Benchmark regimen	Cyramza + paclitaxel		Keytruda + 5FU + platinum		single agent Keytruda	

ALX ONCOLOGY

Data as of September 1, 2021. NR = not reach, ORR = Objective Response Rate, mPFS = median progression free survival, mOS = median overall survival. CPI = checkpoint inhibitor.
1) Wilke, Lancet Oncology, 2014; 2) Burtness, Lancet, 2019; 3) Cohen, Lancet, 2018.

EARLY DATA SHOWS EVORPACEPT COMBINATIONS HAVE ACHIEVED COMPLETE RESPONSES IN AGGRESSIVE HEMATOLOGIC MALIGNANCIES

ASPEN-02

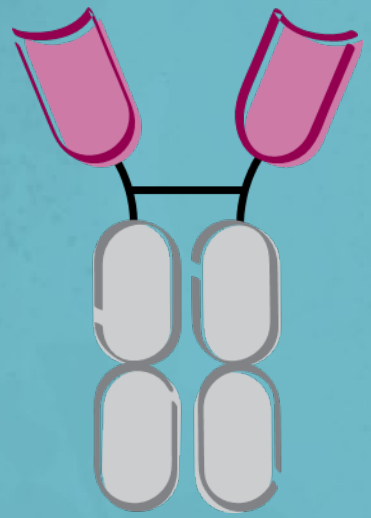
Population	Previously untreated higher risk myelodysplastic syndromes (MDS) with TP53 mutation		Relapsed / refractory MDS
Combination	Evorpacept + azacitidine	Magrolimab + azacitidine[1]	Evorpacept + azacitidine
N-evaluable	5	4	9
CR	2	2	-
mCR	1 with HI	1	5*
SD	1		2

ASPEN-01

Population	≥2L aggressive non-Hodgkin's lymphoma	
Combination	Evorpacept + Rituximab[2]	Magrolimab + Rituximab[3]
N-evaluable	21	38
ORR (%)	8 (38%)	11 (29%)
CR (%)	1 (5%)	2 (5%)
PR (%)	7 (33%)	9 (24%)

CR = complete response; mCR = marrow complete response; SD = stable disease; HI = hematologic improvement; ORR = overall response rate; PR = partial response.
Evorpacept data in MDS as of October 25, 2021. Evorpacept data in NHL as of October 1, 2020. *Includes 3 unconfirmed responses.
1) Sallman, ASCO 2020; 2) Aggressive NHL includes DLBCL and MCL; 3) Roschewski, EHA 2019, Ph2 data, DLBCL only.

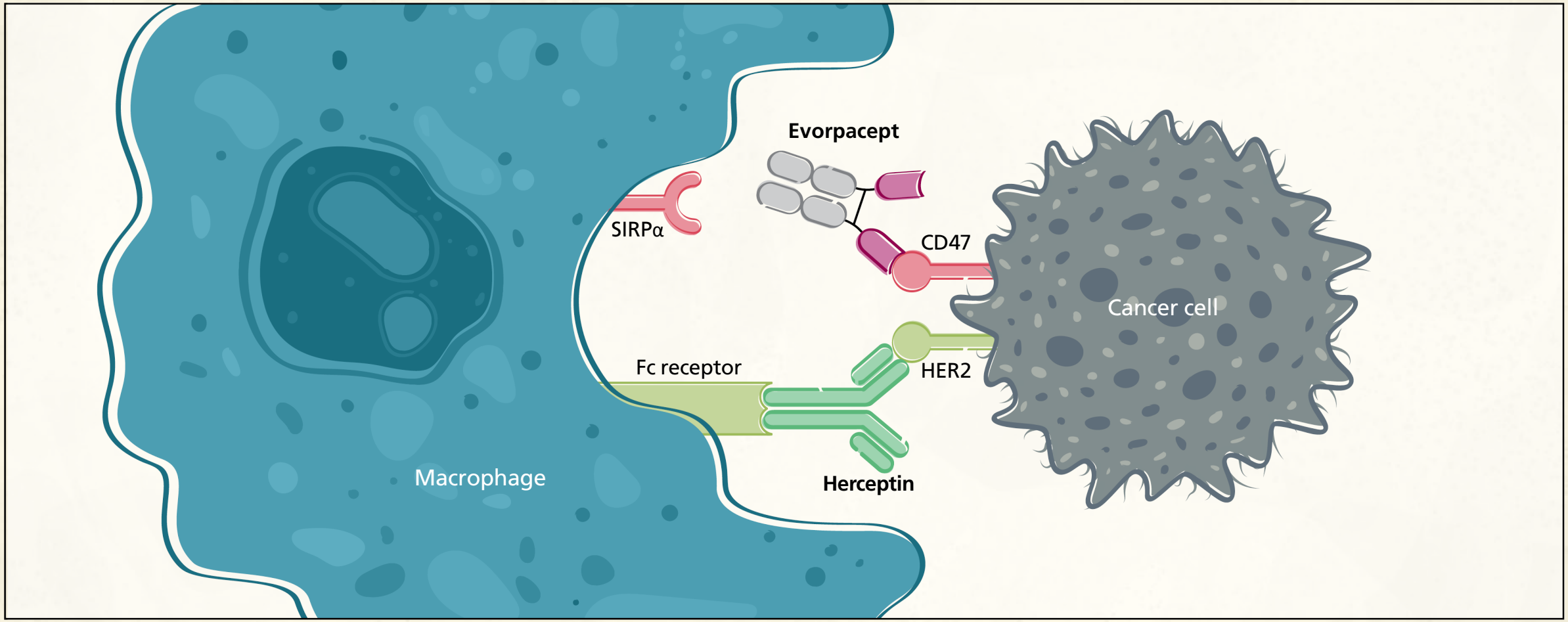
ALX ONCOLOGY



ASPEN-06:
EVORPACEPT (ALX148)
IN HER2+ GASTRIC/GEJ CANCER

ALX ONCOLOGY

GC TRIAL: EVORPACEPT + HERCEPTIN MECHANISM OF ACTION



Evorpacept increases antibody dependent cellular phagocytosis in combination with Herceptin

ALX ONCOLOGY

CLINICAL ACTIVITY OF HISTORICAL BENCHMARKS IN PATIENTS WITH HER2 POSITIVE GASTRIC CANCER

Population	N	ORR	DOR (m) [95% CI]	PFS (m) [95% CI]	OS (m) [95% CI]	OS rate at 12 m
≥2L Gastric ramucirumab/paclitaxel RAINBOW[1]	330	28%	4.4 [IQR 2.8–7.5]	4.4 [4.2-5.3]	9.6 [8.5-10.8]	40%
≥2L Gastric trastuzumab/ram/paclitaxel[2]	50	52%	5.1 [3.3-6.9]	7.4 [6.5-8.3]	13.6 [9.6-17.5]	-
2L Gastric trastuzumab-deruxtecan DESTINY 02[3]	79	38%	8.1 [4.1-NE]	5.5 [4.2-7.3]	-	-
≥3L Gastric trastuzumab-deruxtecan DESTINY 01[4]	126	41%	11.3 [5.6-NE]	5.6 [4.3-6.9]	12.5 [9.6-14.3]	52%

ALX ONCOLOGY

[1]Wilke et al, Lancet October 2014, [2]Rha et al #4063 ASCO 2021, [3]Van Cutsem et al ESMO 2021, [4]Enhertu product insert, and Shitara et al, NEJM June 18, 2020; NE could not be estimated; NR not reached

PHASE 1B GC TRIALS: PATIENT BASELINE CHARACTERISTICS

		evorpacept + Herceptin ≥2L GC (N=20)	evorpacept + Herceptin + Cyramza/chemo ≥2L GC (N=18)
Median age, years (range)		58 (45-79)	67.5 (36-83)
Sex, n	M	15	13
	F	5	5
Race, n	Asian	13	15
	White	6	3
	Other	1	-
ECOG PS, n	0	7	8
	1	13	10
Progressed upon prior anti-HER2 therapy, n (%)		19 (95)	17 (94)
Progressed upon ≥2 prior anti-HER2 therapy n (%)		9 (45)	2 (11)
Progressed upon prior CPI therapy, n (%)		9 (45)	2 (11)
Visceral distant metastasis, n (%)		17 (85)	15 (83)

ALX ONCOLOGY

Data as of September 1, 2021.

PHASE 1B ≥2 LINE GC TRIAL: EVORPACEPT + HERCEPTIN + CYRAMZA + PACLITAXEL

evorpacept in GASTRIC

Phase 1b higher dose + chemo trial:

Patients:

R/R HER2 positive GC, 2L or greater; Progressed on prior Herceptin and fluoropyrimidine or platinum.

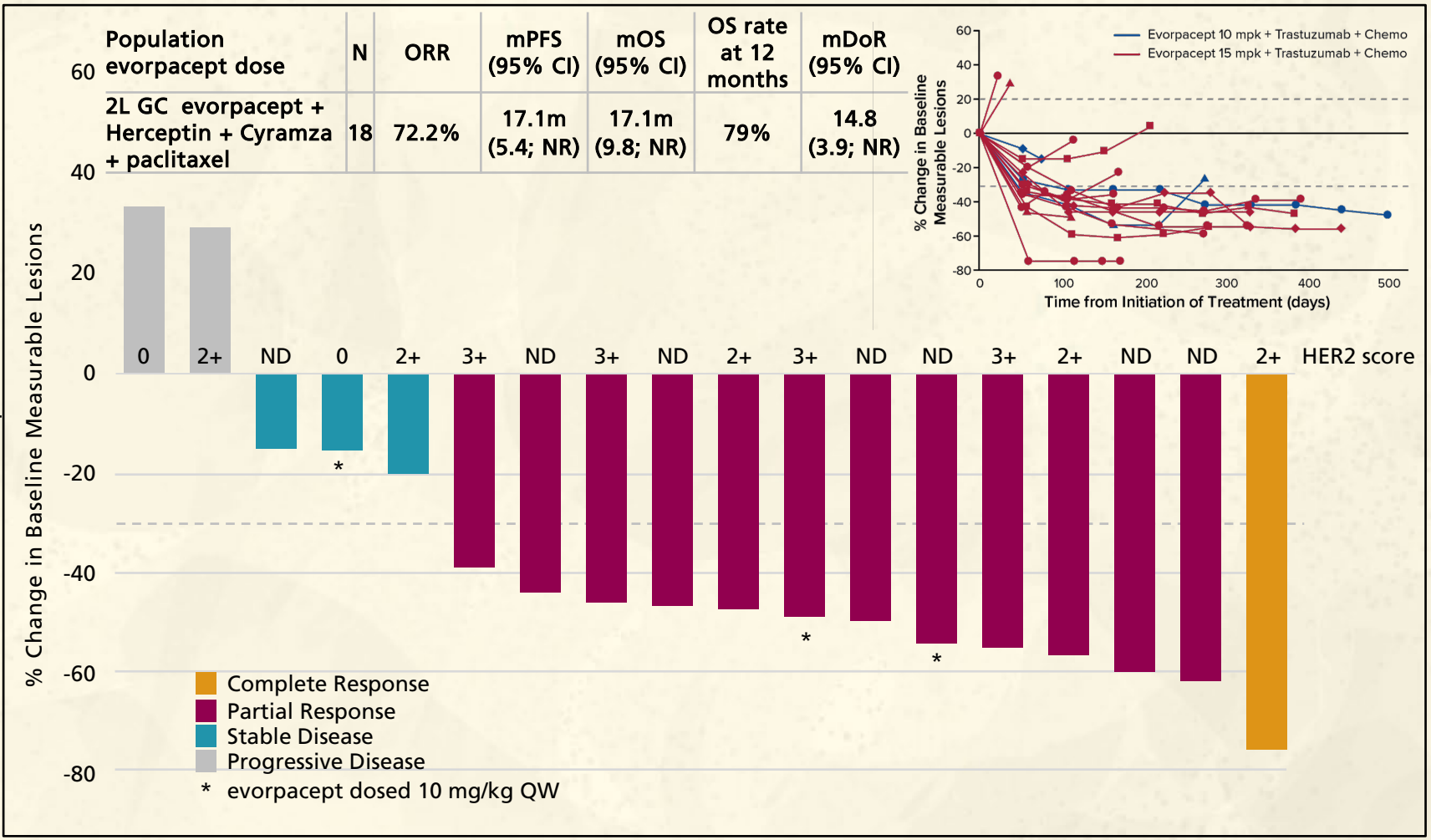
Treatment:

evorpacept 10 and 15 mg/kg (QW)
+ **Herceptin**
+ **Cyramza**
+ **paclitaxel**

Endpoint:

- safety of combination
- anti-cancer activity

Population evorpacept dose	N	ORR	mPFS (95% CI)	mOS (95% CI)	OS rate at 12 months	mDoR (95% CI)
2L GC evorpacept + Herceptin + Cyramza + paclitaxel	18	72.2%	17.1m (5.4; NR)	17.1m (9.8; NR)	79%	14.8 (3.9; NR)



Data Cutoff September 1, 2021. ND = Not Done. NR = Not Reached.

ALX ONCOLOGY

SECOND LINE GC: PLANNED RANDOMIZED PHASE 2 CLINICAL TRIAL, ASPEN-06

Randomized Phase 2:

Patients: N=100

2L or greater HER2 positive GC with prior HER2 targeted therapy

Treatment

evorpacept 30 mg/kg (Q2W) + Herceptin + Cyramza + paclitaxel

vs.

+ Herceptin + Cyramza + paclitaxel

Endpoint:
- Anticancer activity: including ORR, DOR, PFS, OS

Randomized Planned Phase 3:

Patients:

2L or greater HER2 positive GC with prior HER2 targeted therapy

Treatment

evorpacept 30 mg/kg (Q2W) + Herceptin + Cyramza + paclitaxel

vs.

+ Cyramza + paclitaxel

Endpoint:
- Anticancer activity: including OS, PFS, ORR, DOR

ALX ONCOLOGY

Dosing schedules: Herceptin and Cyramza Q2W, paclitaxel on days 1, 8, and 15 of a 28-day cycle

PHASE 1B ≥2 LINE GC TRIAL: EVORPACEPT + HERCEPTIN

evorpacept in GASTRIC

Phase 1b GC trial:

Response evaluable patients

N=19 HER2 positive GC progressed on prior fluoropyrimidine, Herceptin or platinum.

Treatment:

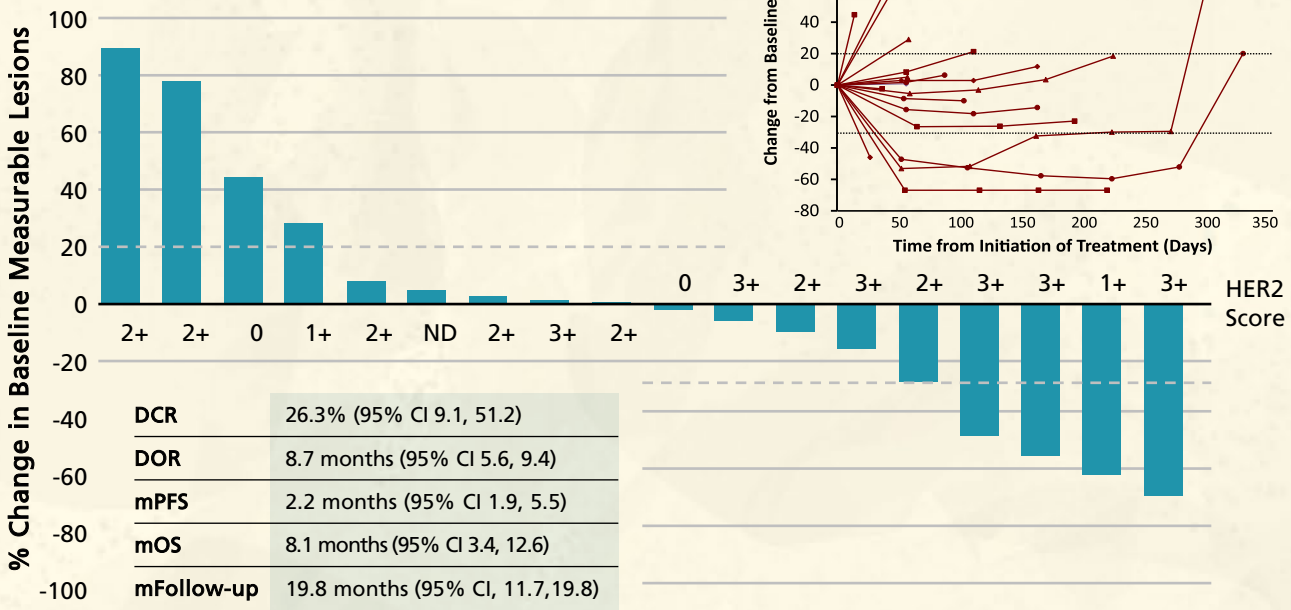
evorpacept 10 mg/kg once a week (QW)
+ **Herceptin**
8 mg/kg once, then
6 mg/kg every three weeks (Q3W)

Endpoints:

- maximum tolerated dose
- anti-cancer activity

Result:

ORR 21.1% (4/19)

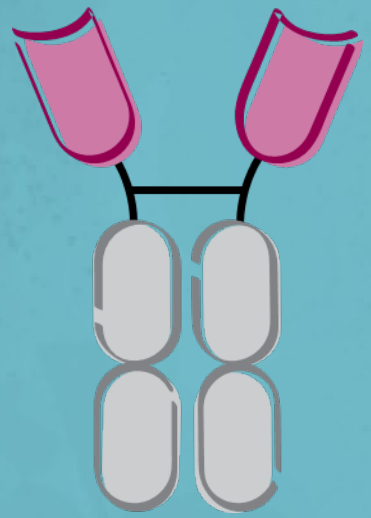


DCR	26.3% (95% CI 9.1, 51.2)
DOR	8.7 months (95% CI 5.6, 9.4)
mPFS	2.2 months (95% CI 1.9, 5.5)
mOS	8.1 months (95% CI 3.4, 12.6)
mFollow-up	19.8 months (95% CI, 11.7,19.8)

Notes: Data Cutoff October 1, 2020. Patients who received at least one dose of evorpacept in the expansion phase, had a baseline assessment, and at least one post-baseline disease assessment; One patient with clinical progression not included in plots.
ORR = Overall Response Rate. **ND** = Not Done. **HER2** Score retrospectively assessed using archival tissue by a central IHC lab.

FDA granted evorpacept fast track designation for second-line treatment of HER2 positive GC

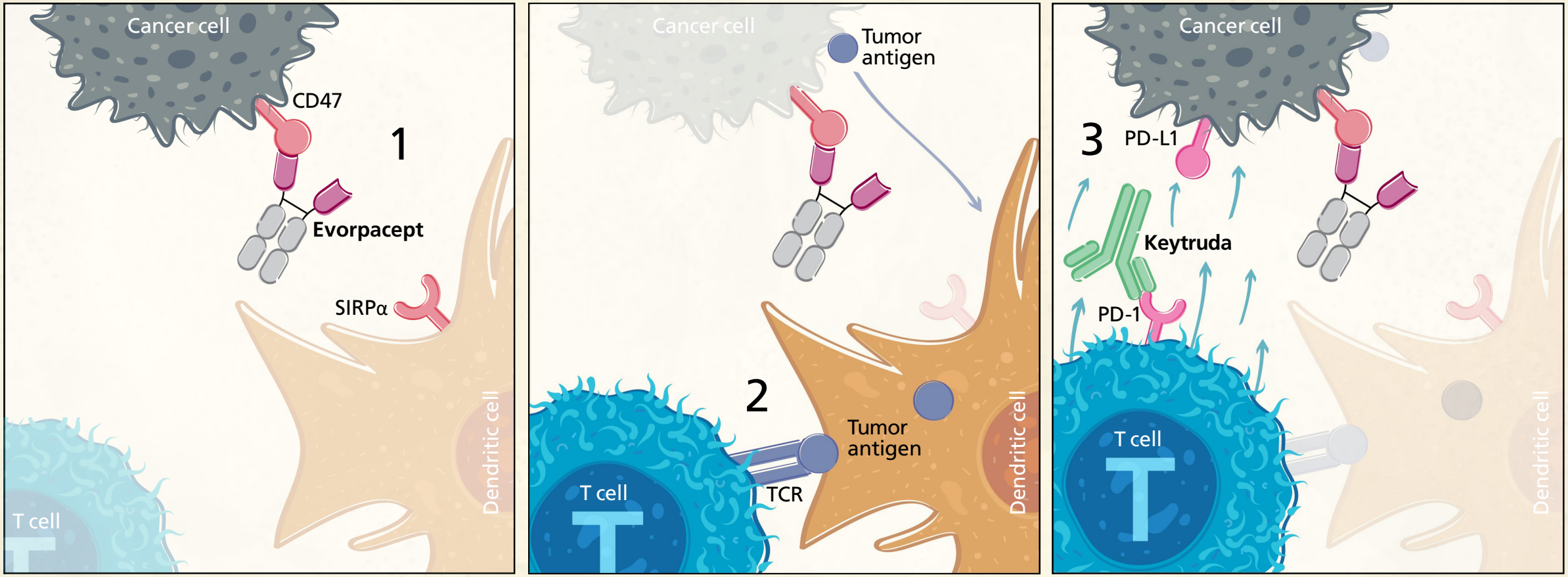
ALX ONCOLOGY



ASPEN-03 AND ASPEN-04: EVORPACEPT (ALX148) IN 1L HNSCC

ALX ONCOLOGY

HNSCC TRIAL: EVORPACEPT + KEYTRUDA MECHANISM OF ACTION



Evorpacept activates dendritic cells and enhances cross-priming of T cells

ALX ONCOLOGY

OS RATE AT 12 MONTHS PREDICTIVE OF OVERALL SURVIVAL

	Population	N	ORR (%)	PFS (m) [95% CI]	OS Rate at 12 m	OS (m) [95% CI]	Follow Up (m) [95% CI]
1L	**KEYNOTE-048: 1L HNSCC** pembrolizumab + 5FU/platinum	281	36%	4.9 [4.7–6.0]	53%	13.0 [10.9–14.7]	13 [6.4–26.6]
1L	**KEYNOTE-048: 1L HNSCC** cetuximab + 5FU/platinum	300	36%	5.1 [4.9–6.0]	44%	10.7 [9.3–11.7]	10.7 [6.6–19.7]
2L	**KEYNOTE-040: 2L HNSCC (CPI naïve)** pembrolizumab	247	14.6%	2.1 [2.1–2.3]	37%	8.4 [6.4–9.4]	8.4 [3.3–14.5]
2L	**KEYNOTE-040: 2L HNSCC (CPI naïve)** Phys Choice: methotrexate, docetaxel, or cetuximab	248	10.1%	2.3 [2.1–2.8]	26.5%	6.9 [5.9–8.0]	7.1 [3.7-12.4]

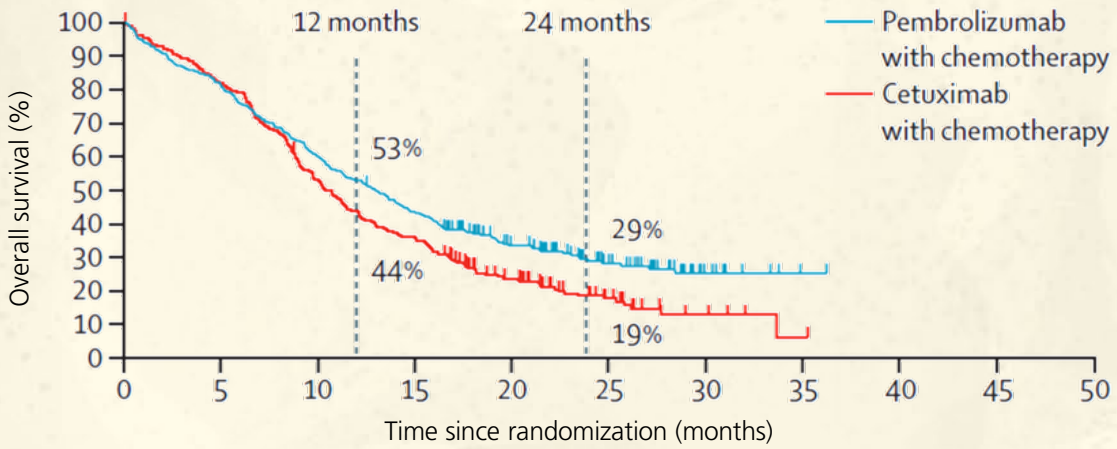
ALX ONCOLOGY

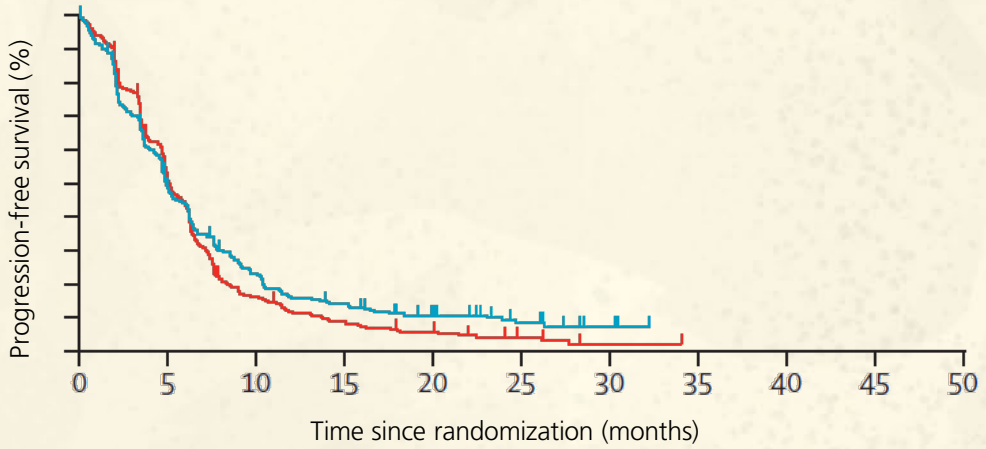
Burtness et al. Lancet 2019; Cohen et al. Lancet 2018

IMMUNO-ONCOLOGY AGENTS IN CPI NAÏVE HNSCC POPULATIONS: PFS AND OS AS ENDPOINTS IN KEYNOTE-040 AND 048

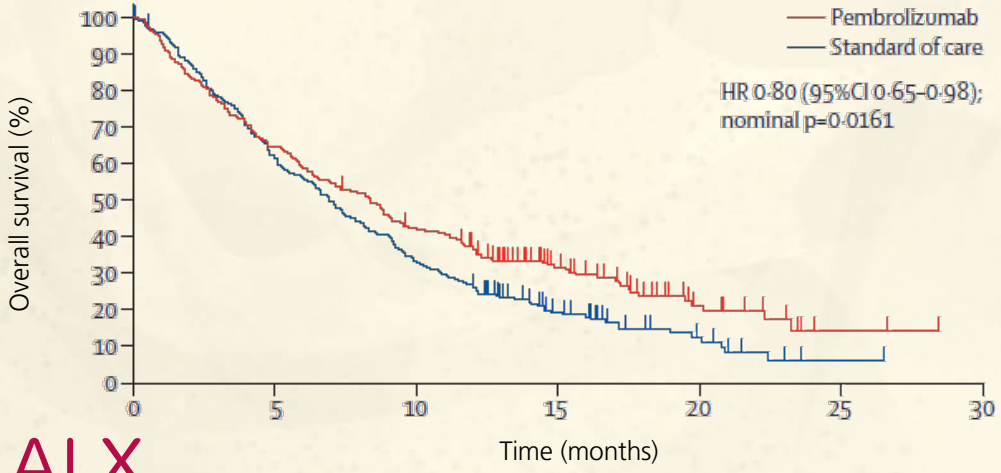
evorpacept in HNSCC

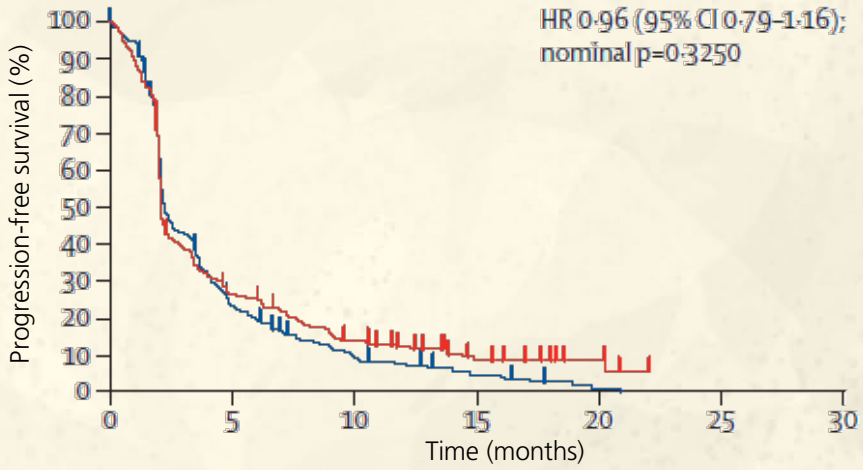
KEYNOTE-048: OS and PFS at the Second Interim Analysis in the 1L HNSCC CPI Naïve Population





KEYNOTE-040: OS and PFS at the Final Analysis in the 2L HNSCC CPI Naïve Population





ALX ONCOLOGY

Burtness et al. Lancet 2019; Cohen et al. Lancet 2018

HNSCC TRIALS: PATIENT BASELINE CHARACTERISTICS

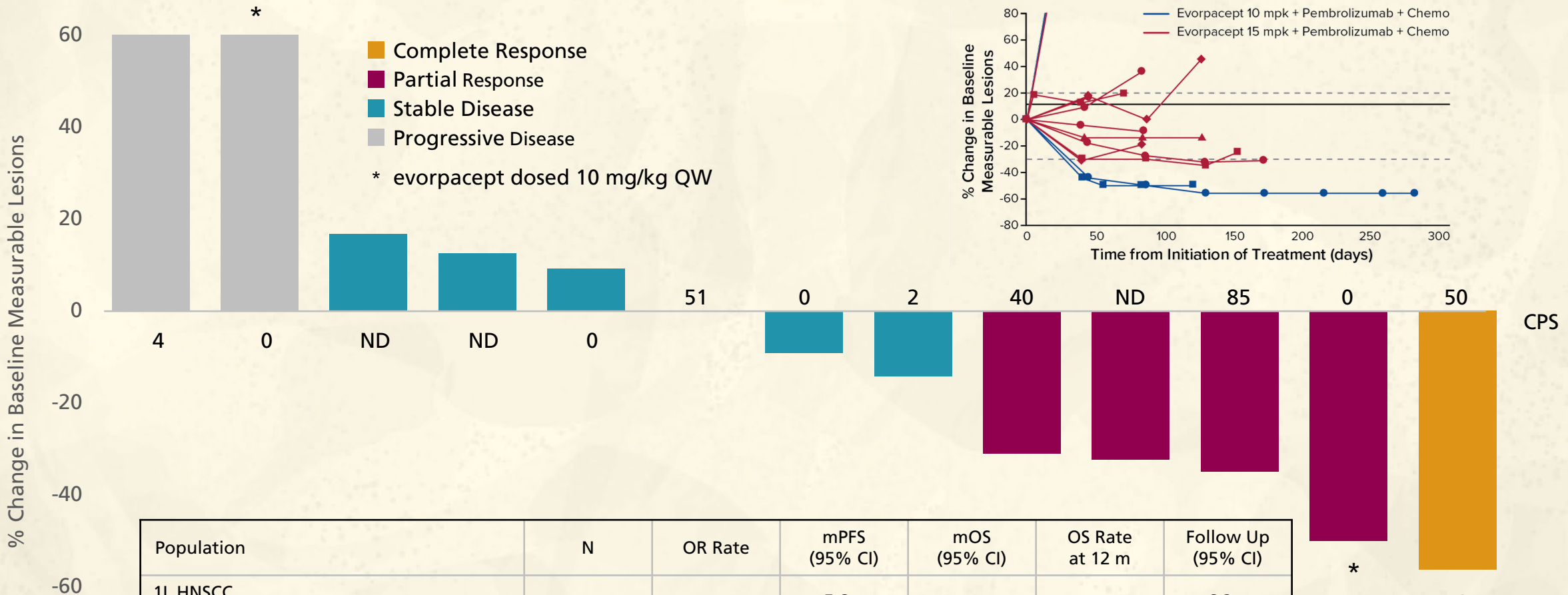
		evorpacept + Keytruda ≥2L HSCC (N=10)	evorpacept + Keytruda + 5FU/platinum 1L HNSCC (N=13)
Median age, years (range)		63 (35-81)	61 (45-70)
Sex, n	M	7	12
	F	3	1
Race, n	Asian	5	10
	White	4	3
	Black	1	-
ECOG PS, n	0	3	8
	1	7	5
Progressed upon prior CPI therapy, n (%)		0 (0)	0 (0)
Visceral distant metastasis, n (%)		6 (60)	7 (54)

ALX ONCOLOGY

Data as of September 1, 2021.

PHASE 1B HNSCC: EVORPACEPT + KEYTRUDA + 5FU/PLATINUM FIRST LINE CHECKPOINT NAIVE

Evorpacept + Keytruda + 5FU/platinum in 1L HNSCC



Population	N	OR Rate	mPFS (95% CI)	mOS (95% CI)	OS Rate at 12 m	Follow Up (95% CI)
1L HNSCC (Evorpacept 10 mg/kg or 15 mg/kg + Keytruda + chemo)	13	38.5%	5.6m (3.6; NR)	NR	87.5%	6.2m (4.7; 10.6)
≥2L HNSCC (CPI naïve) (Evorpacept 10 mg/kg + Keytruda)	10	40%	4.6m (0.5; 7.5)	24.5m (3.1; NR)	80%	32.5m (26.9; NR)

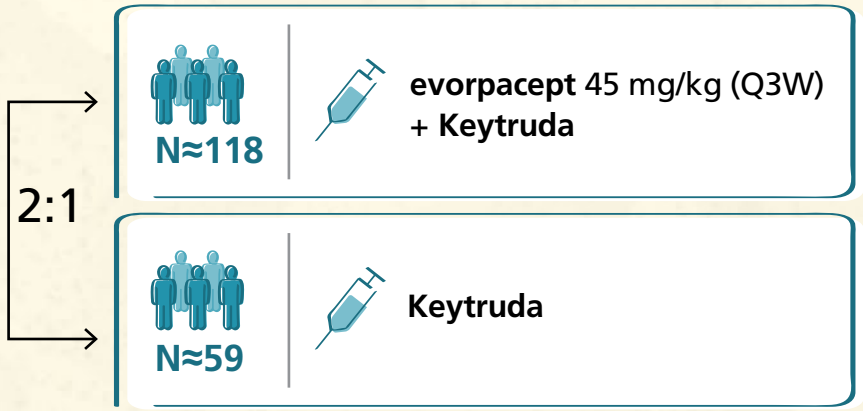
ALX ONCOLOGY

Data Cutoff September 1, 2021. NR = not reached. ND = not done.

FIRST LINE HEAD & NECK CANCER: PHASE 2 DEVELOPMENT PLAN, ASPEN-03 AND ASPEN-04

evorpacept
+
Keytruda

ASPEN-03 Phase 2 trial: Open for Accrual



(Safety lead-in prior to randomization)

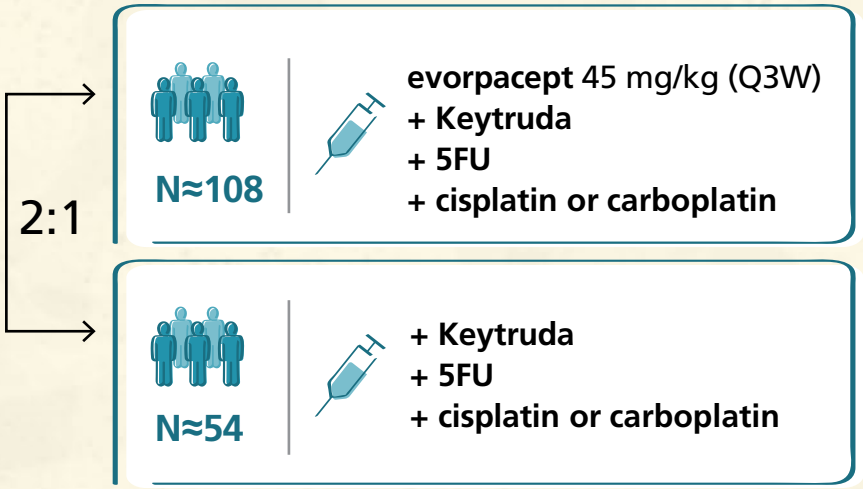
- **First patient enrolled May 2021**

Co-Primary Endpoints:

- 12-month OS rate
- ORR

evorpacept
+
Keytruda
+
chemo

ASPEN-04 Phase 2 trial: Open for Accrual



(Safety lead-in prior to randomization)

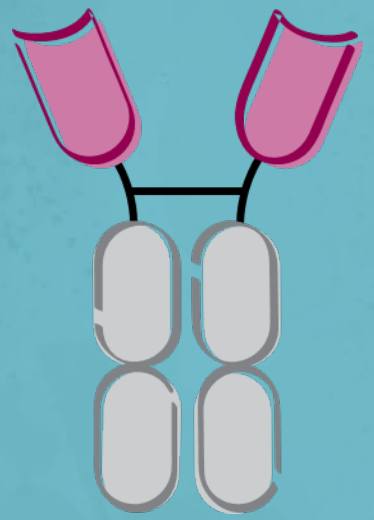
- **First patient enrolled July 2021**

Co-Primary Endpoints:

- 12-month OS rate
- ORR

ALX ONCOLOGY

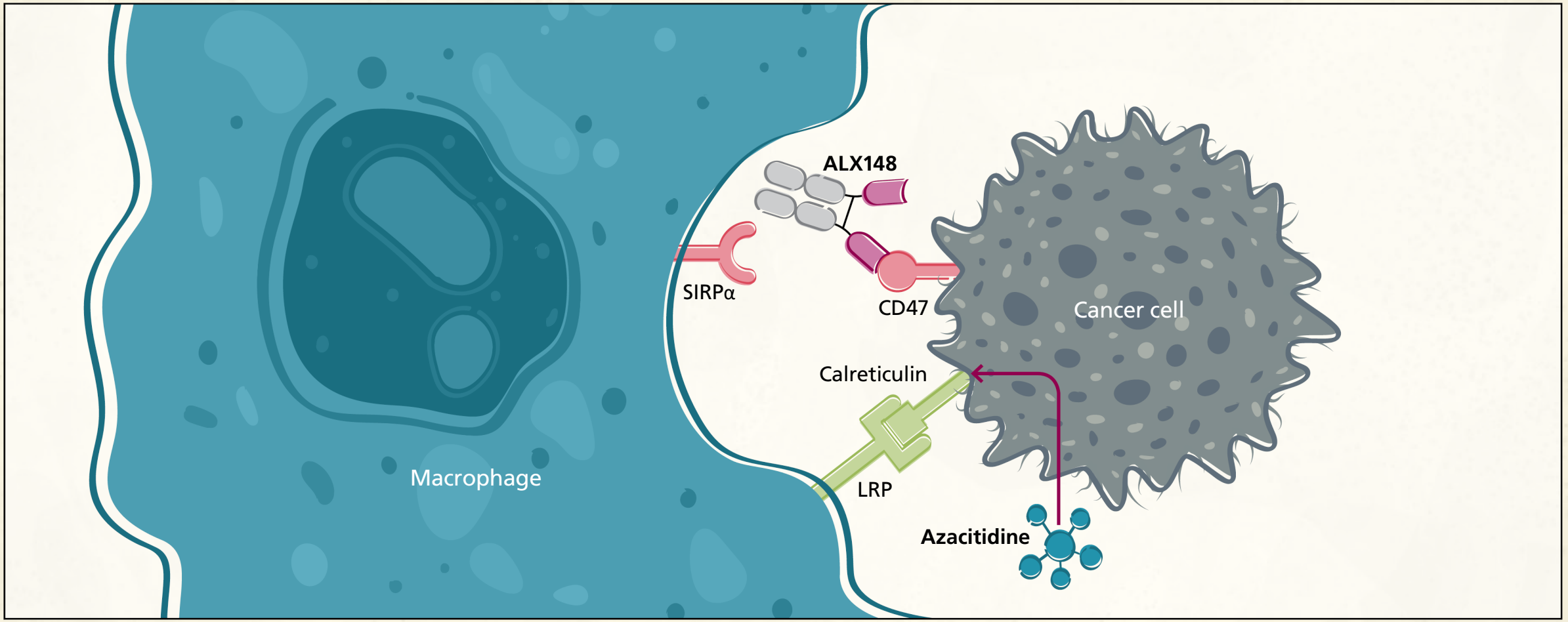
Dosing schedules: Keytruda and chemotherapy Q3W



EVORPACEPT (ALX148)
IN HEMATOLOGIC MALIGNANCIES

ALX ONCOLOGY

MDS TRIAL: ALX148 + AZACITIDINE MECHANISM OF ACTION



ALX148 increases pro-phagocytic signal provided by azacitidine

ALX ONCOLOGY

EVORPACEPT SHOWS CLINICAL ACTIVITY IN HEMATOLOGIC MALIGNANCY: ASPEN-01 NHL

	Evorpacept (10 mg/kg QW) + Rituximab		Evorpacept (15 mg/kg QW) + Rituximab	
Population	N	ORR	N	ORR
All	22	40.9%	10	70.0%
Aggressive	15	33.3%	6	50.0%
Indolent	7	57.1%	4	100.0%

Evorpacept demonstrated higher response rate at higher dosing

Data Cutoff: October 1, 2020; ASH 2020 Abstract 3016
N = Response Evaluable Patients
Indolent = Follicular Lymphoma and Marginal Zone Lymphoma.
Aggressive = Diffuse Large B-cell Lymphoma and Mantle Cell Lymphoma.
ORR = Objective Response Rate.

ALX ONCOLOGY

CLINICAL ACTIVITY OF HISTORICAL BENCHMARKS IN PATIENTS WITH MDS

	Population	N	ORR	CRR	mOS (m)
1L	**Phase 3 AZA-002: 1L HR-MDS[1]** Azacitidine	179	29%*	17%	24.5
1L	**Retrospective analysis: 1L HR-MDS with TP53 mutation and complex cytogenetics[2]** Azacitidine	261	~63%	~22%	10.7
2L	**Phase 2: 2L MDS[4]** Guadecitabine	56	14%	4%	7.1
2L+	**Phase 1b: ≥2L MDS[3]** Venetoclax + azacitidine	38	40%	8%	-

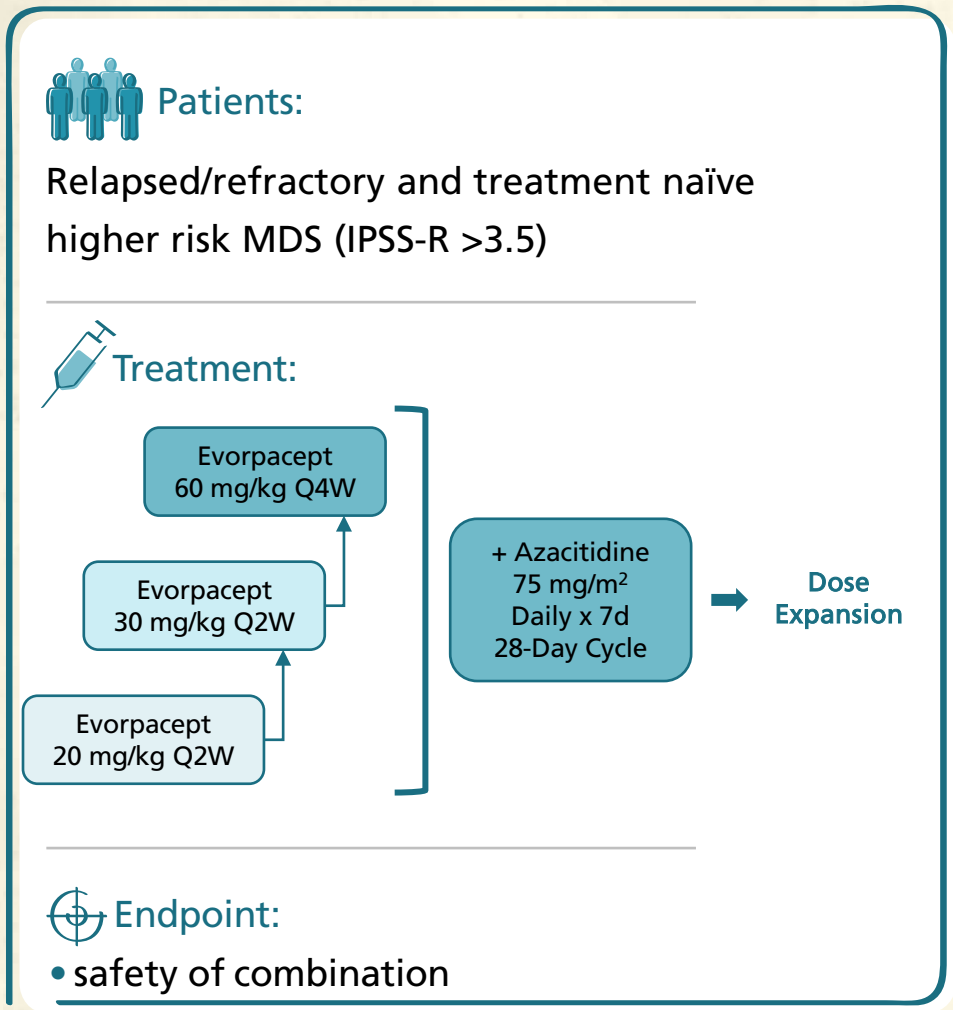
*CR + PR per IWG 2000 criteria. HR = higher risk.

ALX ONCOLOGY

[1]Fenaux et al, Lancet Onc 2009; [2]Montalban-Bravo, Blood 2020; [3]Zeidan et al, ASH 2019; [4]Sebert et al, Haematologica 2019

MDS TRIAL: DESIGN AND PATIENT BASELINE CHARACTERISTICS

Phase 1 Design



Patient Baseline Characteristics

		evorpacept + azacitidine (N=22)
Median age, years (range)		70.5 (56 – 81)
Sex, n	F	8
	M	14
Race, n	White	17
	Black	4
	Unknown	1
ECOG PS, n	0	6
	1	16
	2	0
MDS Status, n	Previously untreated HR-MDS	9
	• Therapy related	6
	Relapsed/Refractory MDS	13
	• Prior HMA treatment	13
IPSS-R Score	Mean	6.0
	Median	5.8
	Min-Max	1.0-10.0
Mutation Status, n (%)	TP53	8 (36%)
	ASXL1	4 (18%)
	TET2	3 (14%)
	DNMT3A	2 (9%)
	SF3B1	1 (4.5%)
	SRSF2	1 (4.5%)
	RUNX1	1 (4.5%)
Cytogenetic Risk at Diagnosis, n (%)	Very Good	0
	Good	2 (9%)
	Intermediate	0
	Poor	2 (9%)
	Very Poor	8 (36%)
	Not Available	10 (45%)

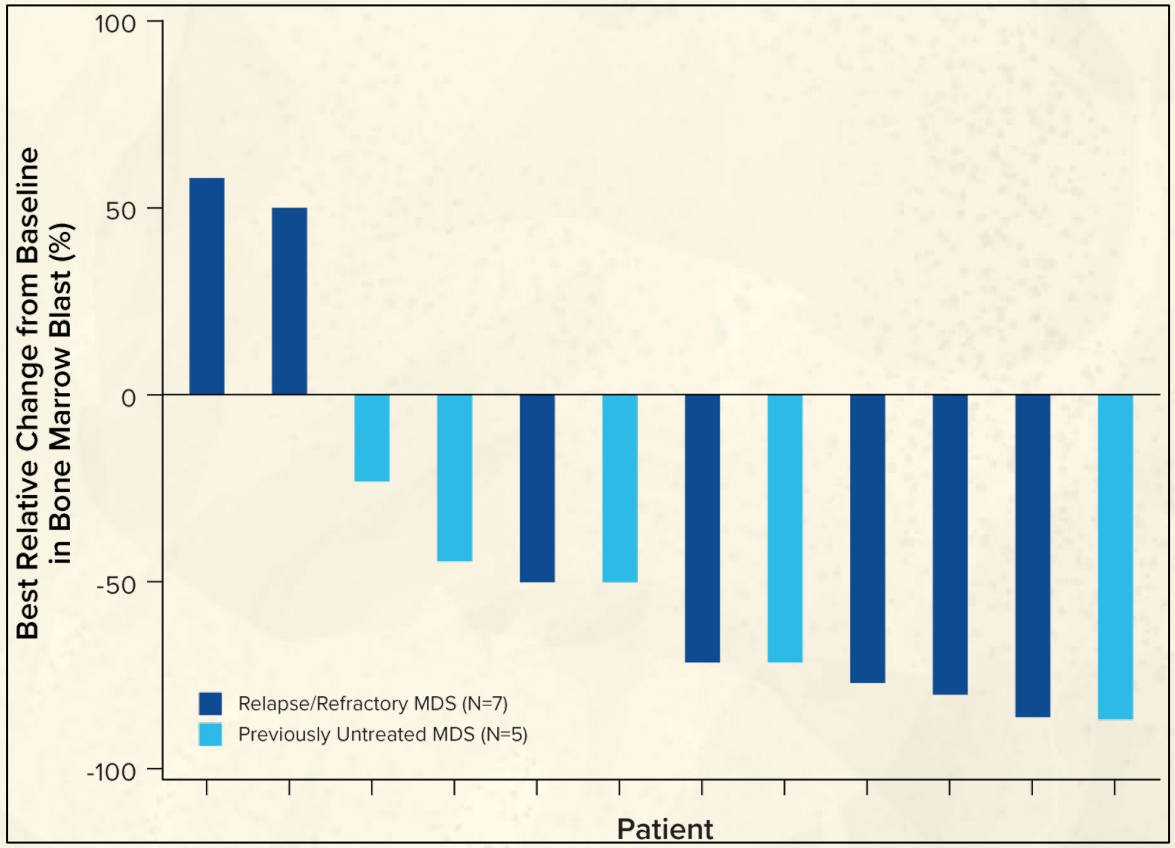
Data as of October 25, 2021

PHASE 1A MDS: EVORPACEPT + AZACITIDINE FOR PREVIOUSLY UNTREATED HIGHER RISK (HR) MDS AND RELAPSED/REFRACTORY MDS

evorpacept in MDS

Initial Patients' Data Presented at ASH 2021

	Previously Untreated HR-MDS (N=6)	Previously Untreated HR-MDS with TP53 mutation (N=5)	Relapsed/Refractory MDS (N=9)#
ORR	3	3	5 *
CR	2	2	0
PR	0	0	0
Marrow CR	1 with HI	1 with HI	5 *
HI	0	0	0
SD	2	1	2
PD	1	1	1



Data Cutoff 25Oct2021; Response evaluable population (n=15); *includes 3 unconfirmed responses; #One subject with an unrelated G5 event prior to first disease assessment; On graphic, 2 subjects (1 Relapsed/Refractory and 1 Previously Untreated) with missing data and the previously described subject with an unrelated G5 event not represented.
ORR – Objective response rate; CR – Complete response; PR – Partial response; HI – Hematologic improvement; SD – Stable disease; PD – Disease progression

ALX ONCOLOGY

MDS TRIAL PLANS, ASPEN-02

Phase 1 Dose Escalation: Accrual Complete

Patients:

N~18

Relapsed/refractory and treatment naïve higher risk MDS (IPSS-R >3.5)

Treatment:

evorpacept
20 mg/kg (Q2W)
30 mg/kg (Q2W)
or 60 mg/kg (Q4W)
+
azacitidine

Endpoint:

- safety of combination

Phase 1 Dose Expansion: Open for Accrual

Patients:

N~40

Treatment naïve higher risk MDS (IPSS-R >3.5)

Treatment:

evorpacept
40 mg/kg (Q4W)
or 60 mg/kg (Q4W)
+
azacitidine

Endpoint:

- safety of combination

Phase 2 Randomized Trial

Patients:

Treatment naïve higher risk MDS (IPSS-R >3.5)

Treatment:

evorpacept
recommended phase 2 dose
+
azacitidine

vs.
azacitidine

Endpoint:

- complete response rate (CRR)

AML TRIAL PLANS, ASPEN-05

Phase 1 Dose Escalation and Expansion: Open for Accrual

Patients: N~20+
Relapsed/refractory AML or previously untreated AML who are not considered suitable for intensive induction therapy

Treatment

evorpacept
20 mg/kg (Q2W)
30 mg/kg (Q2W)
or 60 mg/kg (Q4W)

+ Venclexta
+ azacitidine

Endpoint:
- safety of combination, recommended phase 2 dose

Phase 2:

Patients: N~84
Previously untreated AML who are not considered suitable for intensive induction therapy

Treatment

evorpacept
recommended phase 2 dose

+ Venclexta
+ azacitidine

Endpoint:
- complete remission rate

ALX ONCOLOGY

Dosing schedules: Venclexta 400 mg PO daily; azacitidine 75 mg/m^2 daily for 7 days of 28-day cycle

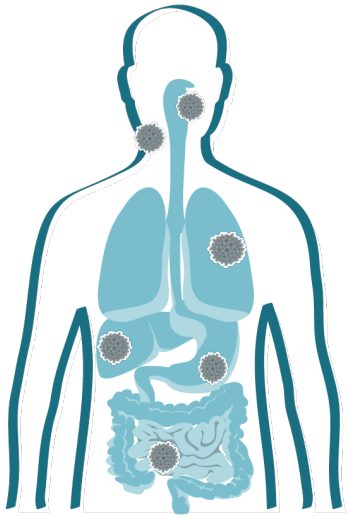
ALX ONCOLOGY
MILESTONES AND FINANCIAL INFORMATION

EVORPACEPT IS DESIGNED TO BE A CORNERSTONE OF CANCER TREATMENTS

Evorpacept's ongoing clinical development plan encompasses significant development opportunities…

	Indication	Combination Agent	Discovery	IND Enabling	Phase 1	Phase 2	Phase 3
Evorpacept Combination Studies – SOLID TUMORS	**HNSCC** Head And Neck Squamous Cell Carcinoma	Keytruda (ASPEN-03)					
		Keytruda + 5FU + Platinum (ASPEN-04)					
	GC Gastric/Gastroesophageal Junction Cancer	Herceptin (ASPEN-01)					
		Herceptin + Cyramza + Paclitaxel (ASPEN-06)					
	Breast Cancer	Zanidatamab					
HEMATOLOGY	**MDS** Myelodysplastic Syndromes	Azacitidine (ASPEN-02)					
	AML Acute Myeloid Leukemia	Azacitidine + Venclexta (ASPEN-05)					
	NHL Non-Hodgkin's Lymphoma	Rituximab (ASPEN-01)					

And is designed to be active across more tumor types and anti-cancer combinations

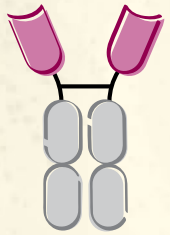


Continued expansion of immuno-oncology activity across tumor types

Combined with standard of care and emerging anti-cancer modalities

ALX ONCOLOGY

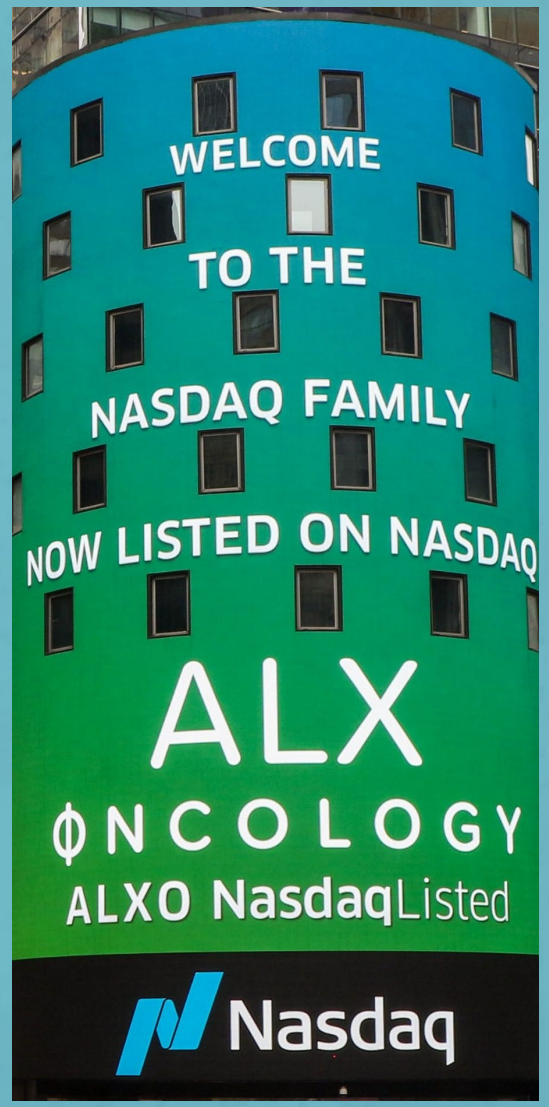
2022 FOCUSED ON DRIVING CLINICAL DEVELOPMENT

	Completed	2022	2023	2024
 **Evorpacept**	**ASPEN-01 (Phase 1b)** Updated gastric/GEJ and HNSCC trial data at SITC	**ASPEN-06 Initiation (Phase 2/3)** Randomized gastric/GEJ cancer trial	**ASPEN-06 (Phase 2)** Randomized gastric/GEJ cancer trial readout	**ASPEN-03 (Phase 2)** Randomized HNSCC trial readout with pembrolizumab
	ASPEN-02 (Phase 1a) Initial MDS trial readout at ASH	**ASPEN-02 (Phase 1b)** MDS dose optimization trial readout	**ASPEN-05 (Phase 1a)** AML trial readout	**ASPEN-04 (Phase 2)** Randomized HNSCC trial readouts with pembrolizumab and chemo
	ASPEN-03 Initiation (Phase 2) Randomized HNSCC trial with pembrolizumab	Ongoing collaborations (Zymeworks) and Investigator Sponsored Trials (NHL)		
	ASPEN-04 Initiation (Phase 2) Randomized HNSCC trial with pembrolizumab and chemo			
	ASPEN-05 Initiation (Phase 1a) AML trial			
Preclinical pipeline	Built pipeline through ScalmiBio acquisition and Tallac collaboration	Select clinical development candidates from preclinical pipeline	File IND for ALTA-002	

ALX ONCOLOGY

FINANCIAL INFORMATION

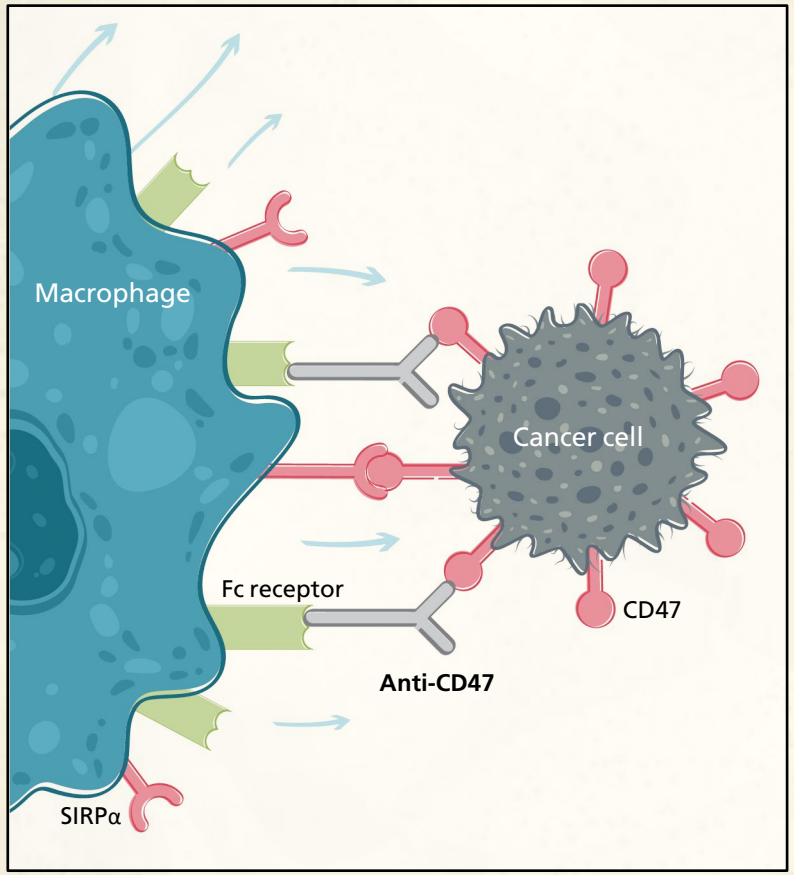
- Consummated IPO on July 21, 2020
- Closed follow-on offering on December 14, 2020
  - Gross proceeds of $208.0 million
  - 2.737 million shares at $76 per share
- Cash and cash equivalents as of September 30, 2021:
  - $385.1 million
- Expected cash runway through 2024

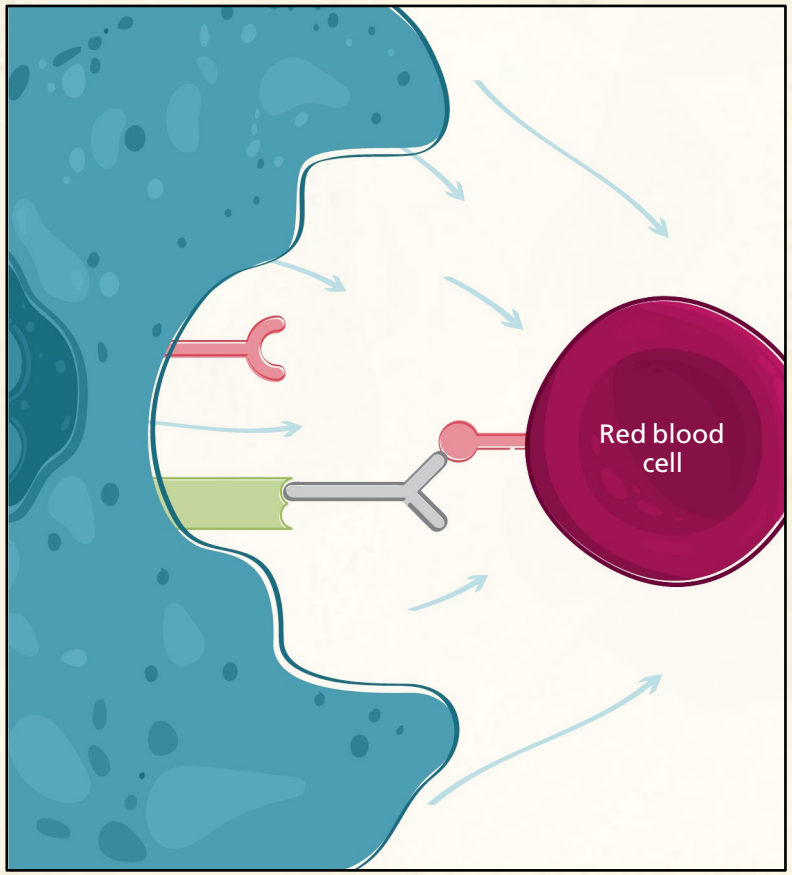


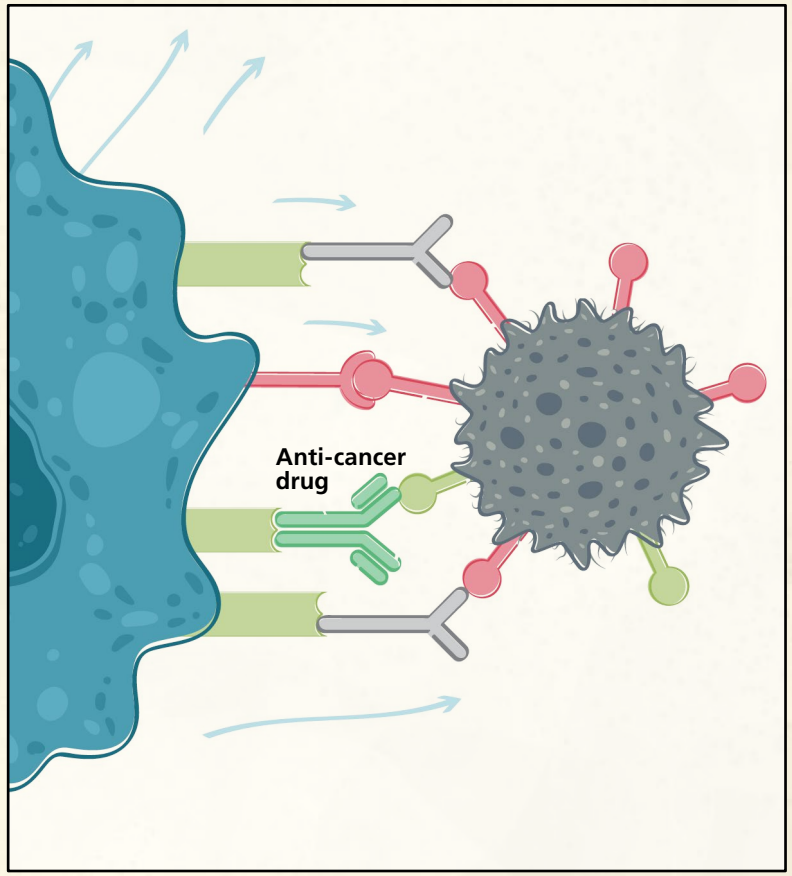
APPENDIX

TARGETING CD47 AS TUMOR ASSOCIATED ANTIGEN

But also targets normal cells





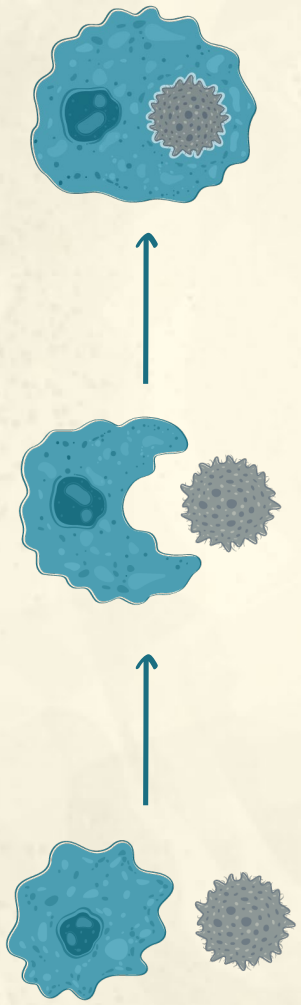


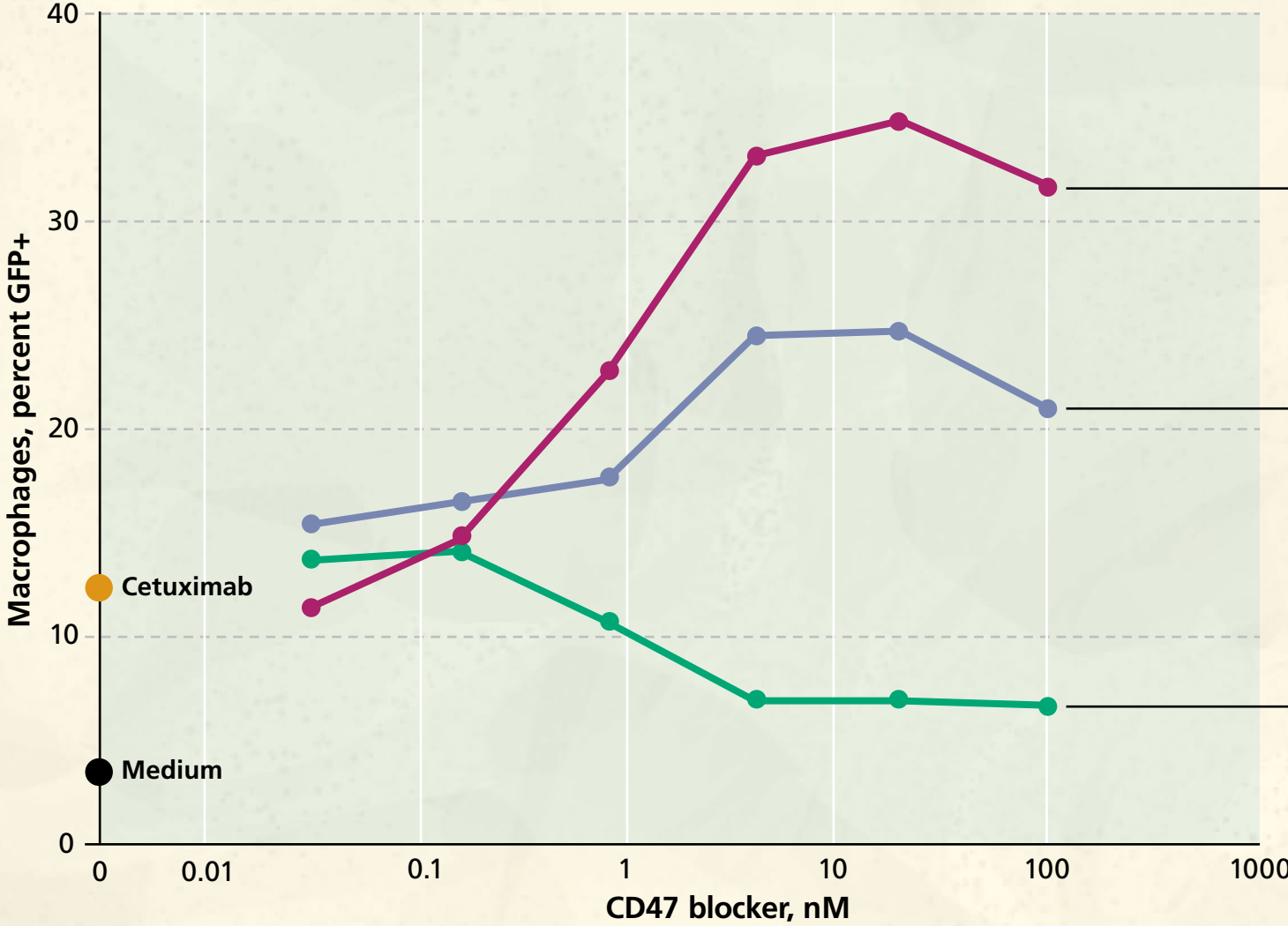
Anti CD47 with active Fc directly targets cancer cells

Dose limitations prevent full blockade of CD47 and active Fc competes with combo drug

ALX ONCOLOGY

EVORPACEPT DEMONSTRATES SUPERIOR PHAGOCYTOSIS





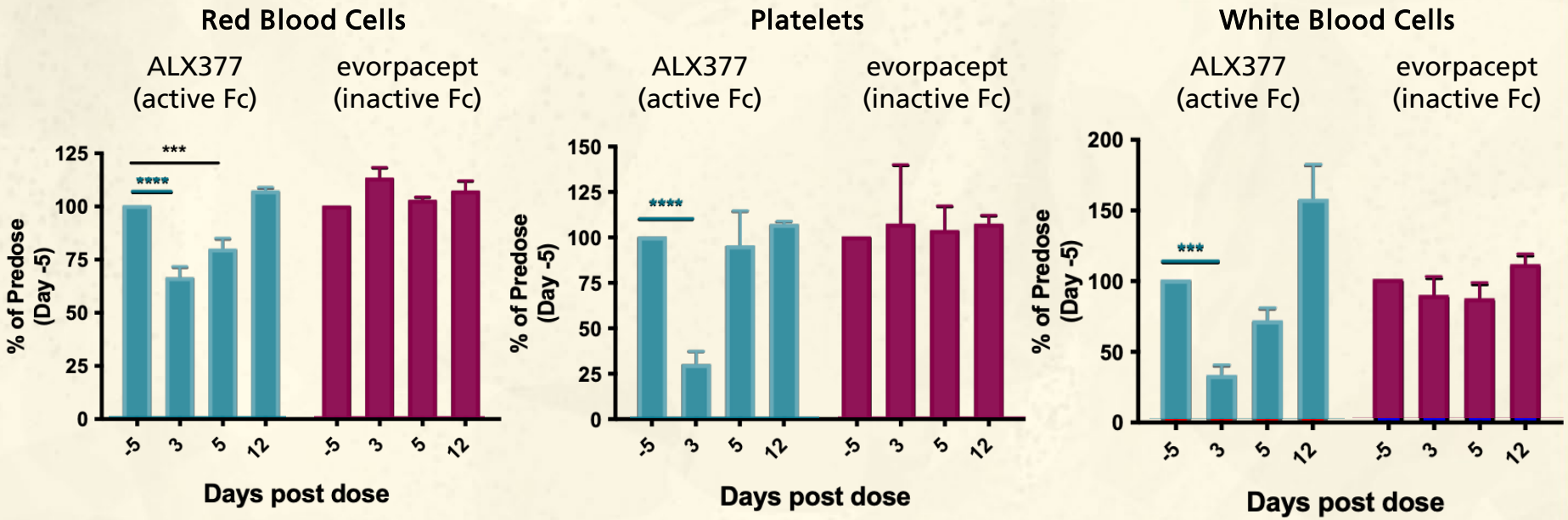
Evorpacept inactive Fc + Cetuximab
ADCP by cetuximab is enhanced by inactive Fc and high affinity

5F9 (Magrolimab) IgG4 + Cetuximab
Enhances ADCP with cetuximab but at lower levels

TTI-621 IgG1 + Cetuximab
Does not enhance ADCP in combination with cetuximab

ALX ONCOLOGY

INACTIVE FC SHOWS REDUCED CYTOPENIA IN MICE IN VITRO



CD-1 mice received 30 mg/kg IV single dose

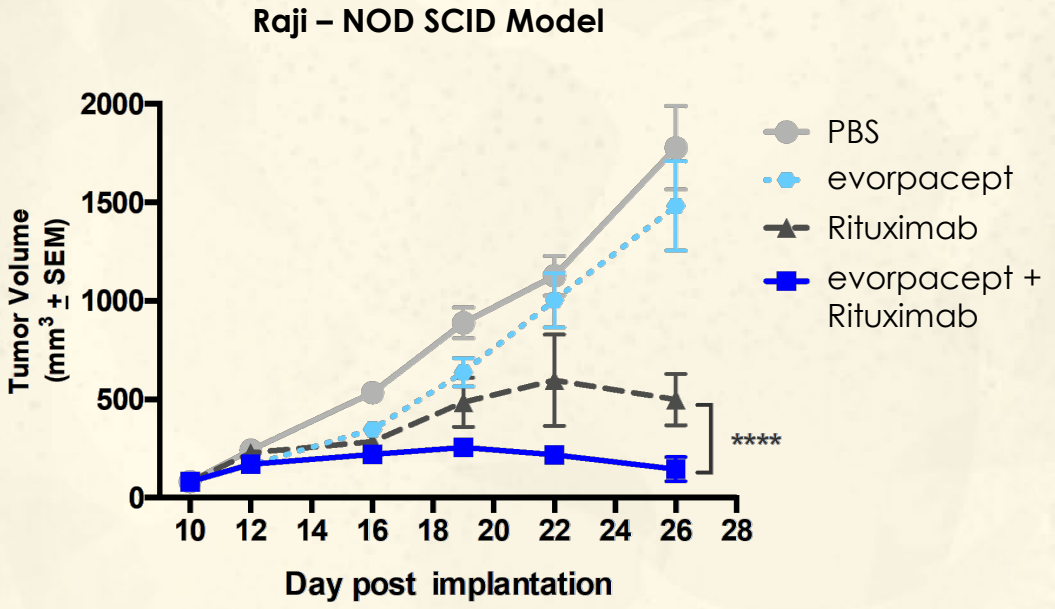
****p<0.0001, ***p<0.001

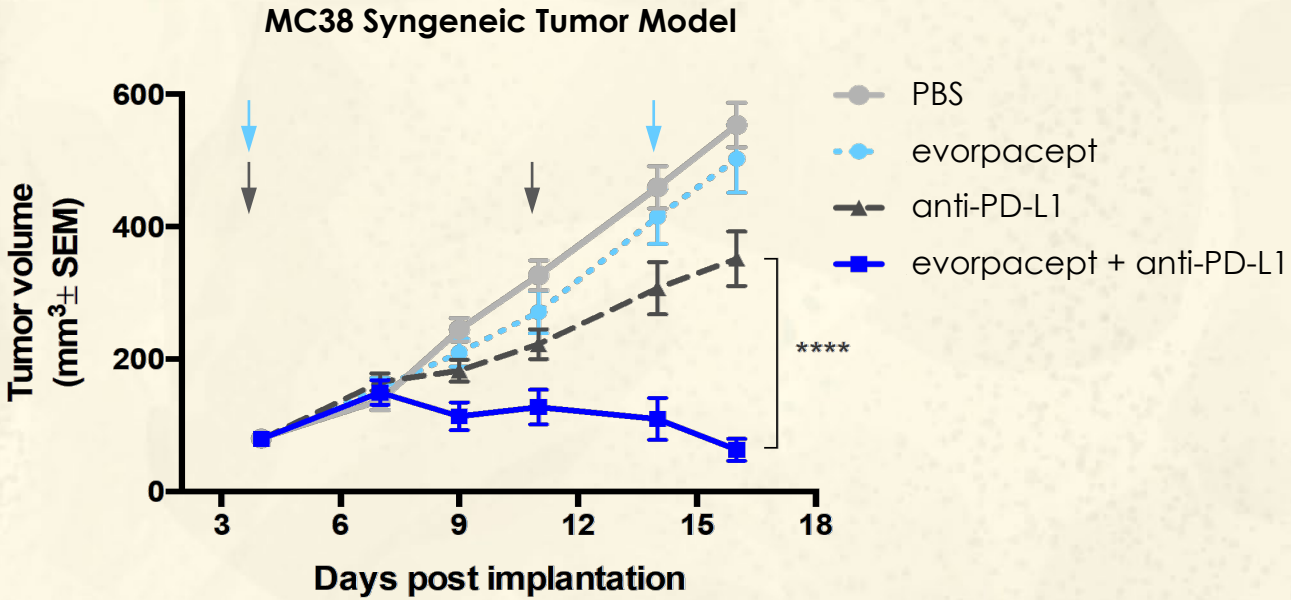
Inactive Fc is the core determinant of safety profile

Mouse cross-reactivity allows for safety and efficacy testing in mouse models

ALX ONCOLOGY

COMBINATION EFFICACY WITH TAA (RITUXIMAB) ANTIBODIES AND CHECKPOINT INHIBITOR (ATEZOLIZUMAB)



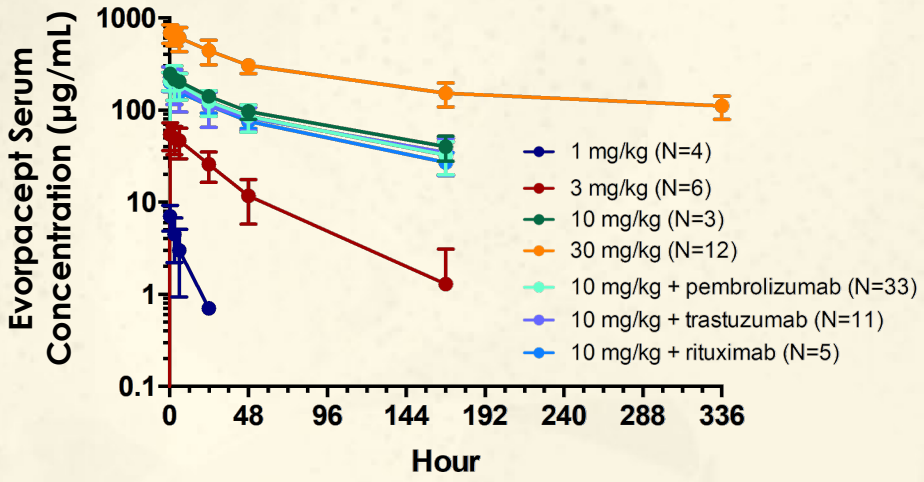


Mouse cross-reactivity allows for better clinical translation of preclinical models: presence of CD47 sink and mouse models with intact immune system

ALX ONCOLOGY

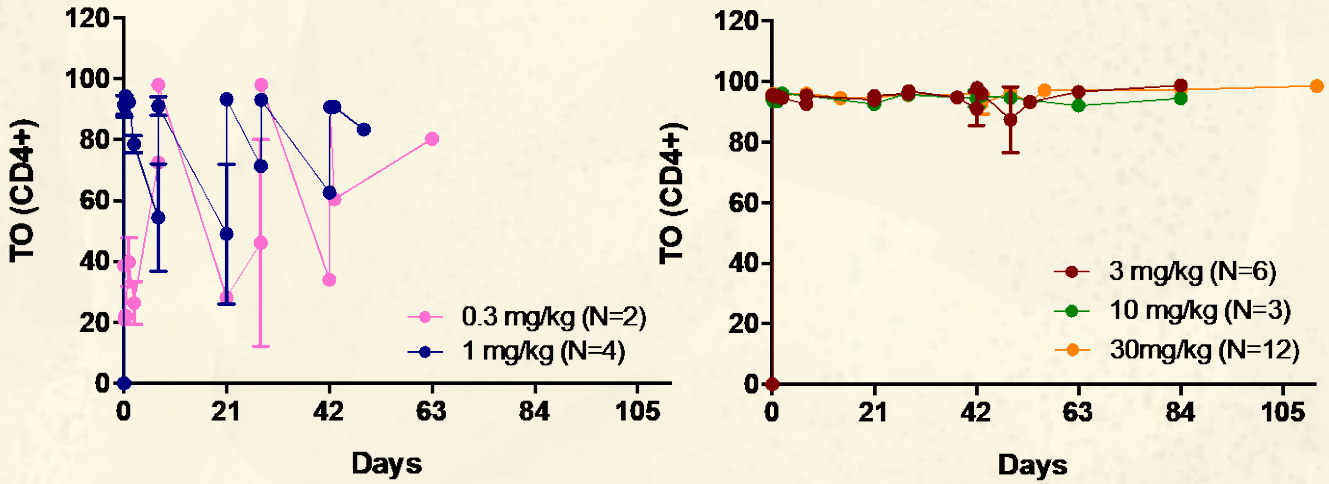
EVORPACEPT CLINICAL PHARMACOKINETICS AND CD47 TARGET OCCUPANCY

Evorpacept Serum Levels for Cycle 1 Day 1



- **Steady-state half-life of evorpacept at 10 mg/kg QW is predicted to be ~30 days.**
- Evorpacept PK profile is not impacted by combination drugs.

CD47 Target Occupancy by Evorpacept



- **Near complete CD47 target occupancy (TO) by evorpacept is maintained at ≥ 3 mg/kg QW across dosing interval**
- 0.3 and 1 mg/kg QW show near complete target occupancy at peak, but not at trough

ALX ONCOLOGY

NHL TOLERABILITY

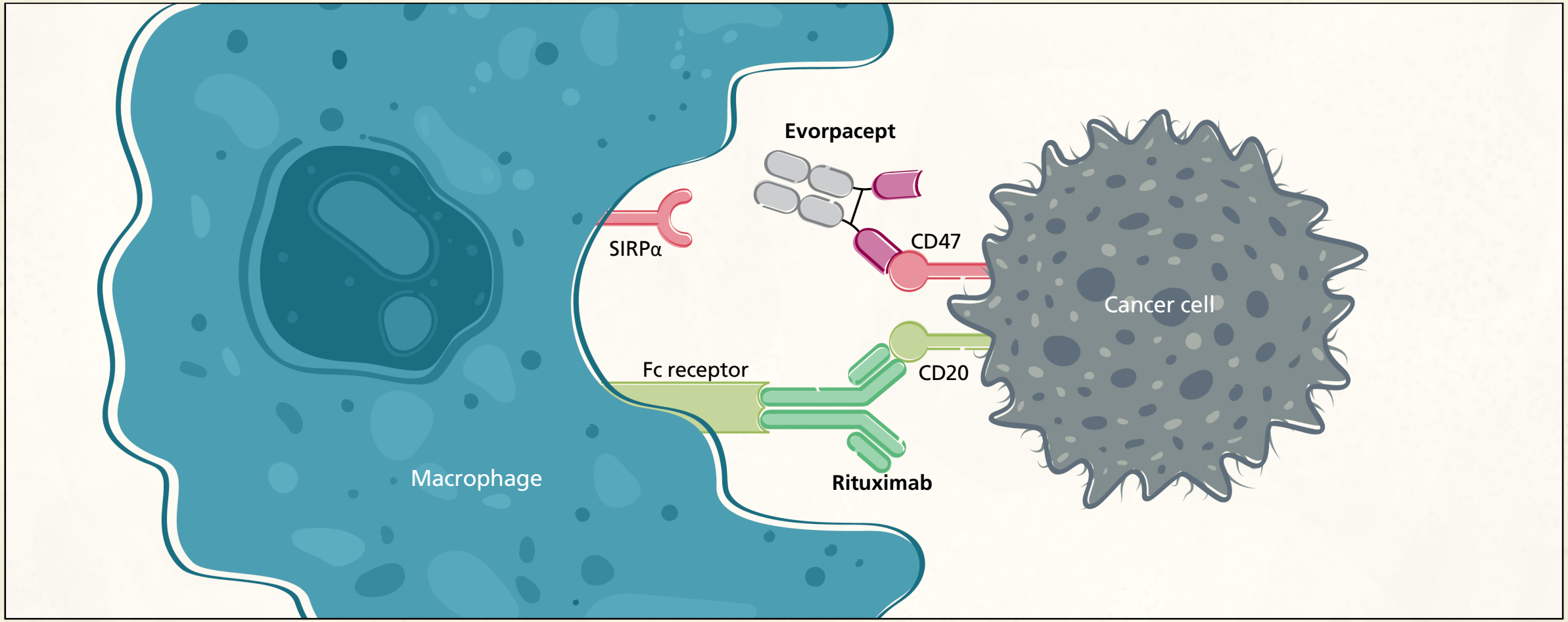
Selected hematologic, treatment related adverse events	evorpacept + Rituximab (N=33)[1]		CC-90002 + Rituximab (n=26)[2]		5F9 (magrolimab) + Rituximab (n=115)[3]	
	Total % (n)	≥Grade 3	Total % (n)	≥Grade 3	Total %	≥Grade 3
Neutropenia	**6% (2)**	**6% (2)**	**50% (13)**	**39% (10)**	**~13%**	**~7%**
Thrombocytopenia/ Decreased Platelets	**-**	**-**	**35% (9)**	**23% (6)**	**~20%**	**~13%**
Anemia	**6% (2)**	**3% (1)**	**12% (3)**	**4% (1)**	**~30%**	**~15%**

[1]ASH 2020 Abstract 3016
[2]ASH 2019 Abstract 4089
[3]EHA 2019 Abstract S867

Evorpacept: Tolerability profile compares favorably to other CD47 blockers

ALX ONCOLOGY

NHL TRIAL: EVORPACEPT + RITUXIMAB MECHANISM OF ACTION



Evorpacept increases antibody dependent cellular phagocytosis in combination with Rituximab

ALX ONCOLOGY

NHL PROOF-OF-PRINCIPLE TRIAL

Phase 1b NHL cohorts

relapsed/Refractory NHL,
prior regimen with Rituximab

Treatment:

evorpacept 10 or 15 mg/kg once a week (QW)
+
Rituximab 375 mg/m^2 once a week for 4 weeks, once monthly for 8 months

		evorpacept 10 mg/kg QW + Rituximab (n=22)	evorpacept 15 mg/kg QW + Rituximab (n=11)
Primary Disease, n	Follicular	5	3
	Marginal Zone (MZL)	2	1
	Mantle Cell (MCL)	4	1
	DLBCL	11	6
Median Age, Years (range)		66 (32-80)	64 (53-78)
Sex, n	M	17	6
	F	5	5
Race, n	Asian	18	9
	White	4	2
ECOG, PS, n	0	7	2
	1	15	9
Median Prior Therapy, n (range)		3 (1-7)	3 (1 -5)

Data Cutoff October 1, 2020

ALX ONCOLOGY

NHL: PRELIMINARY CLINICAL TOLERABILITY

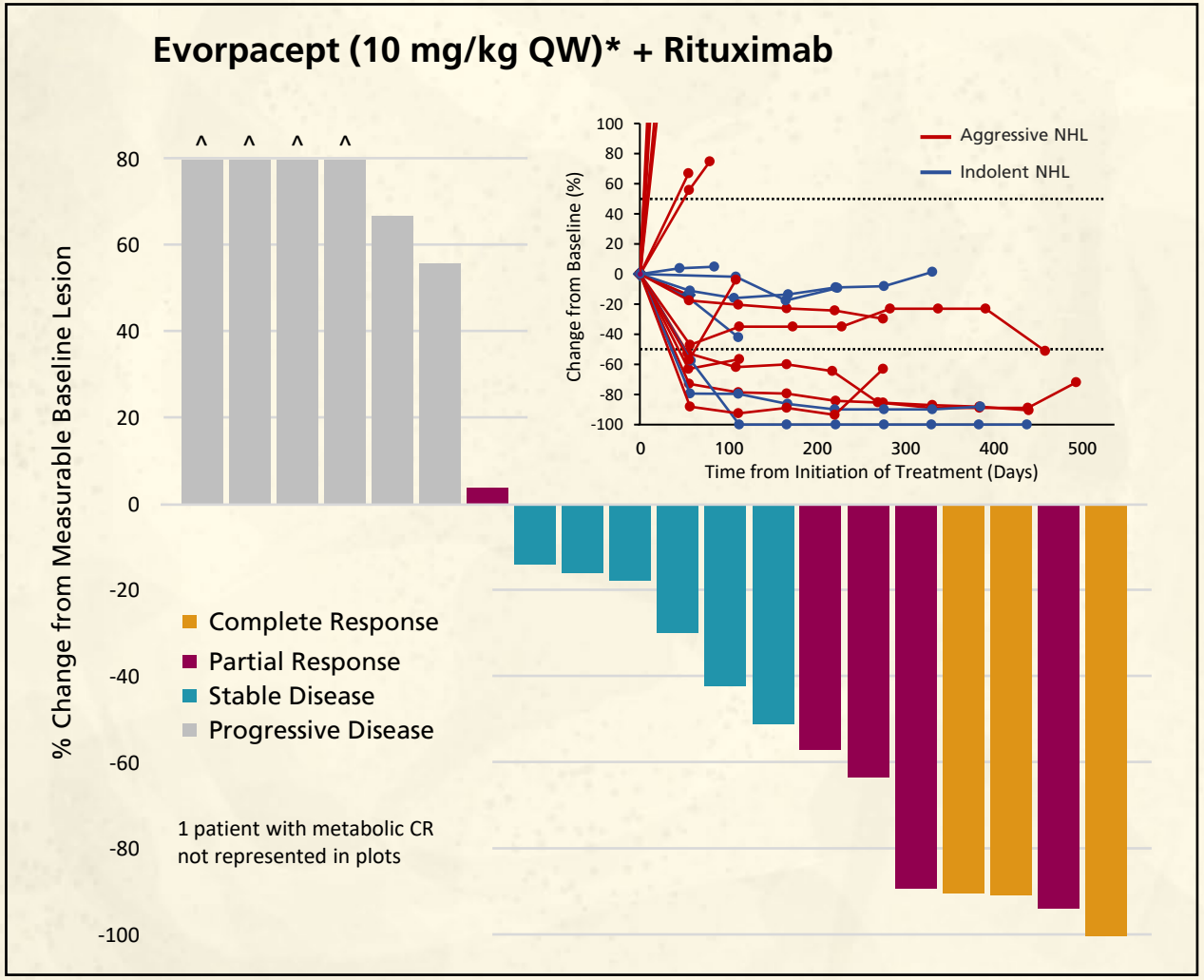
evorpacept + Rituximab (N=33)

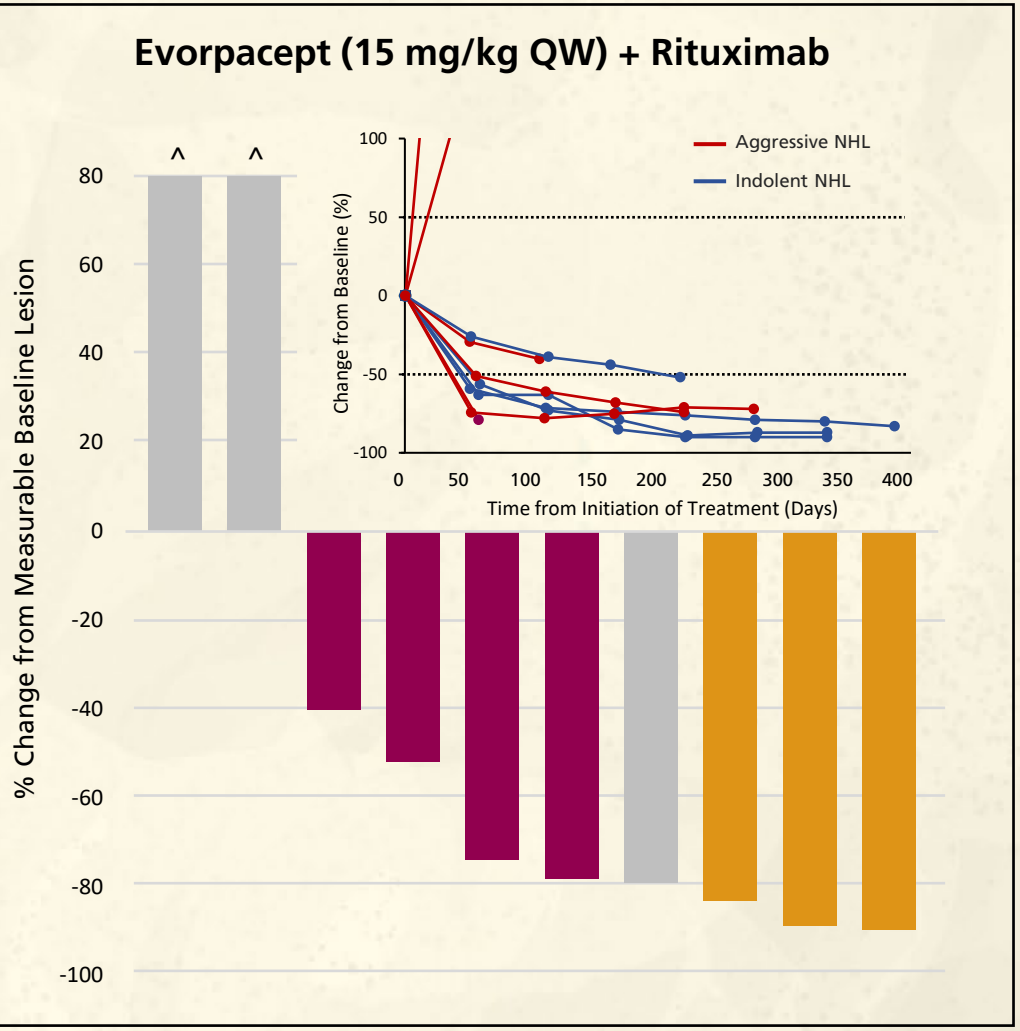
Treatment Related Adverse Event	Total n (%)	≥Grade 3 n (%)
Rash	**8 (24.2)**	—
Fatigue	**4 (12.1)**	—
Nausea	**2 (6.1)**	—
Neutrophil Count Decreased	**2 (6.1)**	**2 (6.1)**
Anemia	**2 (6.1)**	**1 (3.0)**
Myalgia	**2 (6.1)**	—
Pruritus	**2 (6.1)**	—

Data Cutoff: October 1, 2020

ALX ONCOLOGY

NHL: CLINICAL ACTIVITY OF EVORPACEPT + RITUXIMAB BY PATIENT

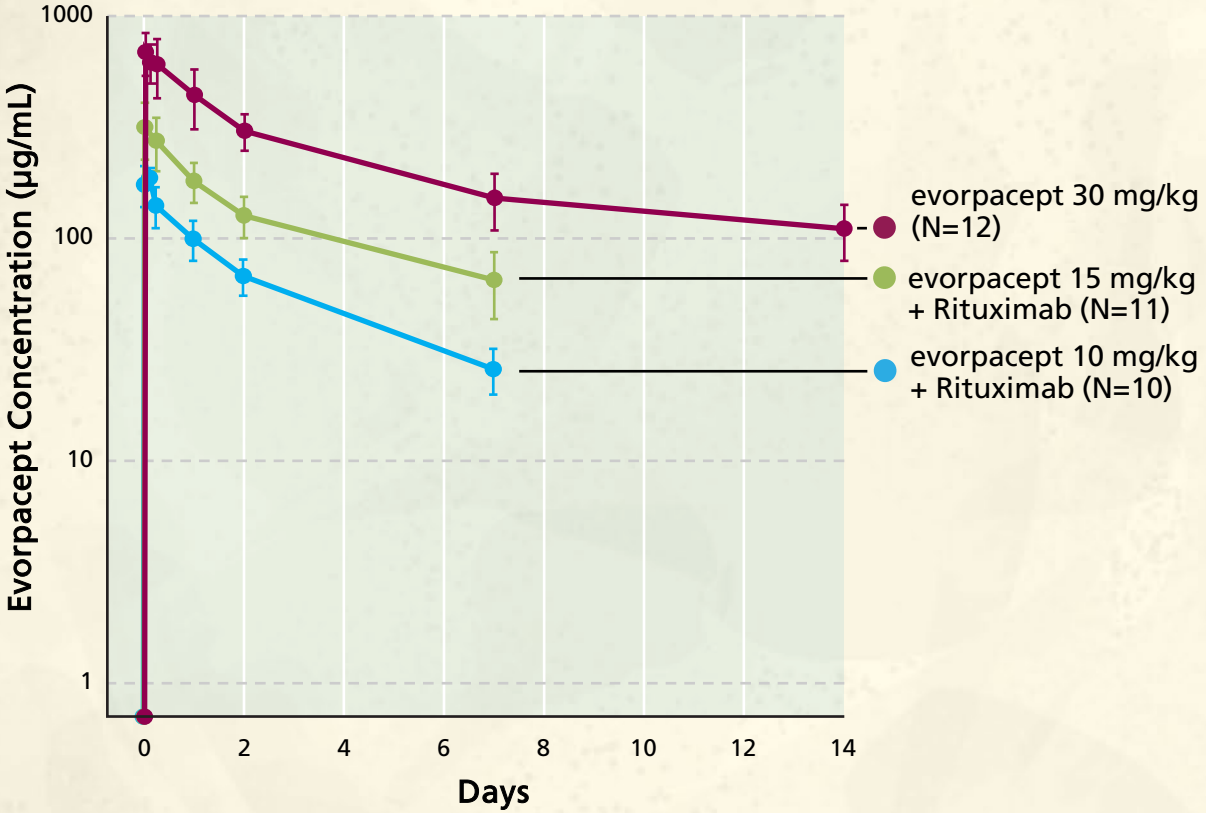




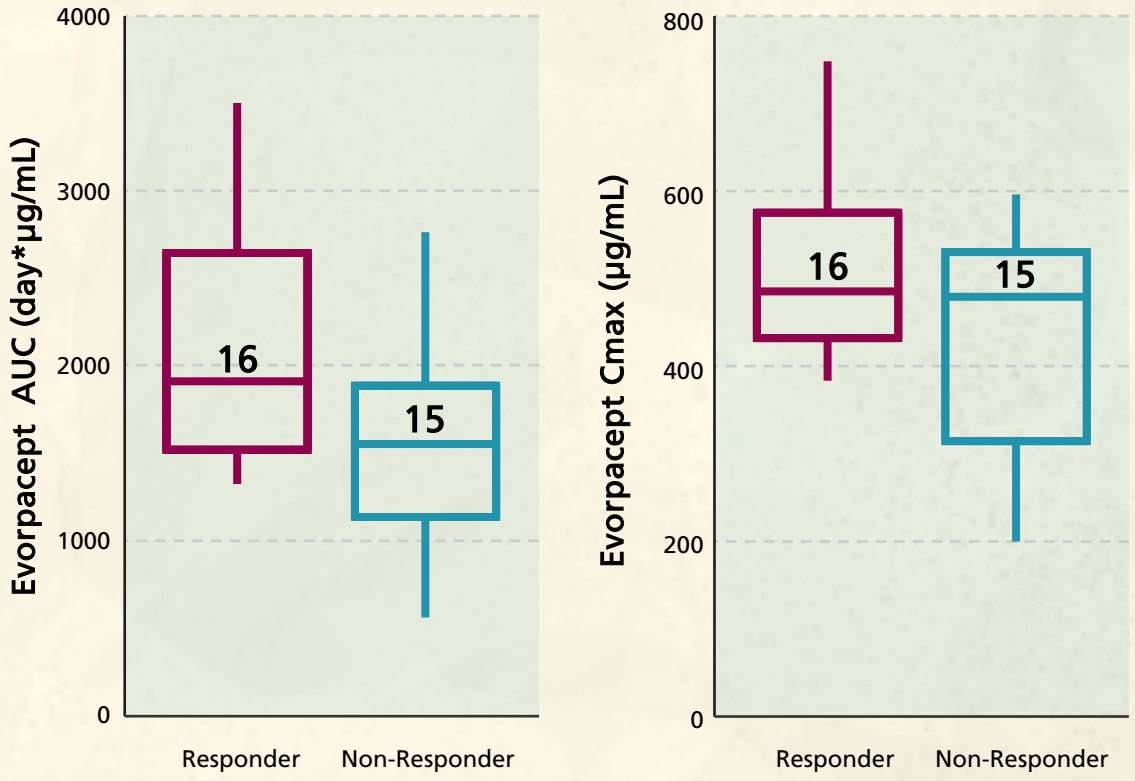
ALX ONCOLOGY

Data Cutoff October 1, 2020; Response evaluable patients; Responses include metabolic response per Lugano Response Criteria.
^ more than 80% increase from baseline. * 1 patient with rapid fatal progressive disease not represented in plot

NHL: EVORPACEPT CLINICAL PHARMACOKINETICS AND EXPOSURE-RESPONSE ANALYSIS



Evorpacept concentration-time profiles following first IV infusion at Cycle 1 Day 1 as single agent or in combination with Rituximab.



*A significant improvement in patients with clinical response (PR,CR) with increased evorpacept exposure (AUC; p = 0.023) was observed across the exposure range evaluated (10 mg/kg QW - 15 mg/kg QW).

ALX ONCOLOGY

Data Cutoff October 1, 2020

NON-HODGKIN LYMPHOMA PROOF-OF-PRINCIPLE SUMMARY

Other agents in CD47 class reduced dosing leading to reduced responses

Higher dosing enabled by evorpacept tolerability profile

Higher dosing of evorpacept led to higher responses

CLINICAL ACTIVITY OF EVORPACEPT COMBINATIONS IN RESPONSE EVALUABLE PATIENTS WITH ≥2L HER2 POSITIVE GC CANCER

HER2 GC Population	N	ORR	DOR (m) [95% CI]	PFS (m) [95% CI]	OS (m) [95% CI]	OS rate at 12 m	Follow up (m) [95% CI]
2L GC evorpacept + Herceptin + Cyramza + paclitaxel	18	72%	14.8 [3.9–NR]	17.1 [5.4-NR]	17.1 [9.8-NR]	79%	14.5 [7.2-19.0]
≥2L Gastric ramucirumab/paclitaxel RAINBOW[1]	330	28%	4.4 [IQR 2.8–7.5]	4.4 [4.2-5.3]	9.6 [8.5-10.8]	40%	
≥2L Gastric trastuzumab/ram/paclitaxel[2]	50	52%	5.1 [3.3-6.9]	7.4 [6.5-8.3]	13.6 [9.6-17.5]	-	22.9
2L Gastric trastuzumab-deruxtecan DESTINY 02[3]	79	38%	8.1 [4.1-NE]	5.5 [4.2-7.3]	-	-	5.7
≥3L Gastric trastuzumab-deruxtecan DESTINY 01[4]	126	41%	11.3 [5.6-NE]	5.6 [4.3-6.9]	12.5 [9.6-14.3]	52%	
≥2L Gastric evorpacept (10 mg/kg) + Herceptin	19	21%	8.7 [5.6; NR]	2.2 [1.9 ; 5.5]	8.1 [3.4 ; 12.6]	38%	27.0
≥3L Gastric Irinotecan or Paclitaxel DESTINY 01 Control Arm[4]	62	11%	3.9	3.5	8.4	29%	

ALX ONCOLOGY

[1]Wilke et al, Lancet October 2014, [2]Rha et al #4063 ASCO 2021, [3]Van Cutsem et al ESMO 2021, [4]Enhertu product insert, and Shitara et al, NEJM June 18, 2020; NE could not be estimated; NR not reached

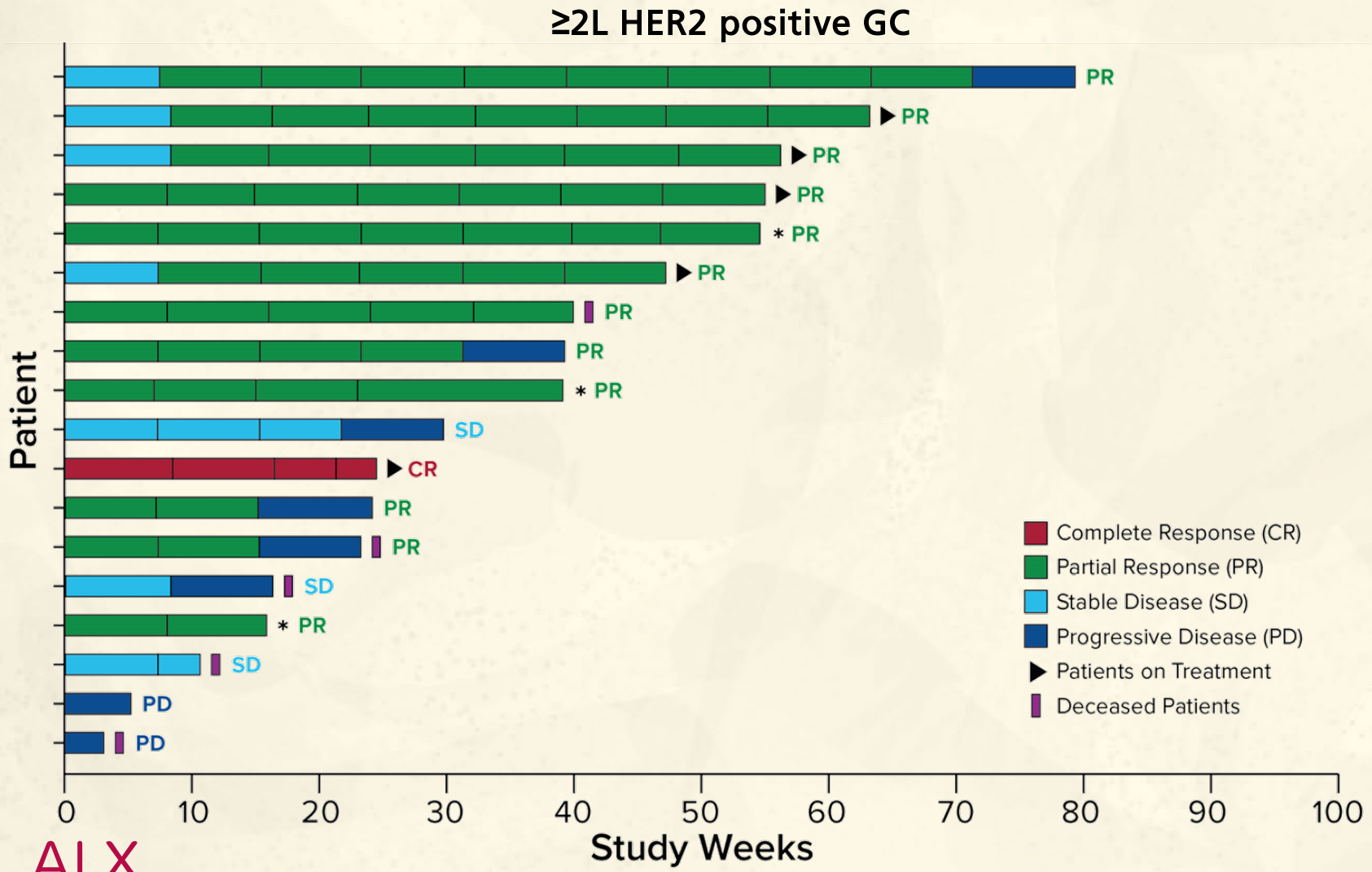
PHASE 1B ≥2 LINE GC TRIAL: EVORPACEPT + HERCEPTIN + CYRAMZA + PACLITAXEL TREATMENT EMERGENT ADVERSE EVENTS

	Evorpacept + Trastuzumab + Ramucirumab + Paclitaxel (N=18) / Adverse Event, n (%)					
Grade	ALL Causality			Evorpacept - related		
Evorpacept Dose QW	G1-2	G3	G4	G1-2	G3	G4
Neutrophil Count Decreased	3 (17)	5 (28)	3 (17)	–	–	–
Epistaxis	9 (50)	–	–	–	–	–
Peripheral Neuropathy / Peripheral Sensory Neuropathy	8 (44)	1 (6)	–	–	–	–
Decreased Appetite	8 (44)	–	–	–	–	–
Fatigue	7 (39)	1 (6)	–	2 (11)	–	–
Anemia	3 (17)	4 (22)	–	1 (6)	–	–
Hypertension	–	6 (33)		–	–	–
Abdominal Pain / Abdominal Pain Upper	5 (28)	–	–	1 (6)	–	–
Headache	5 (28)	–	–	1 (6)	–	–
Stomatitis	5 (28)	–	–	1 (6)	–	–
Alanine Aminotransferase Increased	4 (22)	–	–	–	–	–
Alopecia	4 (22)	–	–	–	–	–
Aspartate Aminotransferase Increased	3 (17)	1 (6)	–	–	–	–
Asthenia	3 (17)	1 (6)	–	–	–	–
Diarrhea	4 (22)	–	–	3 (17)	–	–
Insomnia	4 (22)	–	–	–	–	–
Rash/Dermatitis Acneiform	4 (22)	–	–	4 (22)	–	–
Pruritis	3 (17)	–	–	2 (11)	–	–
Urticaria	3 (17)	–	–	3 (17)	–	–
Back Pain	2 (11)	–	–	1(6)	–	–
Diverticulitis	1 (6)	1 (6)	–	–	–	–
Dysphagia	1 (6)	1 (6)	–	–	–	–
Hypophosphatemia	1 (6)	1 (6)	–	–	–	–
Platelet Count Decreased	1 (6)	1 (6)	–	–	–	–
Hydronephrosis	–	1 (6)	–	–	–	–
Lymphocyte Count Decreased	–	1 (6)	–	–	1 (6)	–
Non-Cardiac Chest Pain	–	1 (6)	–	–	–	–
Urinary Tract Infection	–	1 (6)	–	–	–	–
Vision Blurred	1 (6)	–	–	1 (6)	–	–

ALX ONCOLOGY

Data Cutoff September 1, 2021
Evorpacept: 10 mg/kg (n=3) & 15 mg/kg (n=15); All TEAEs occurring in ≥4 patients. For cases of TEAEs Grade ≥3 and any TRAE, all AEs are listed irrespective of patient numbers.

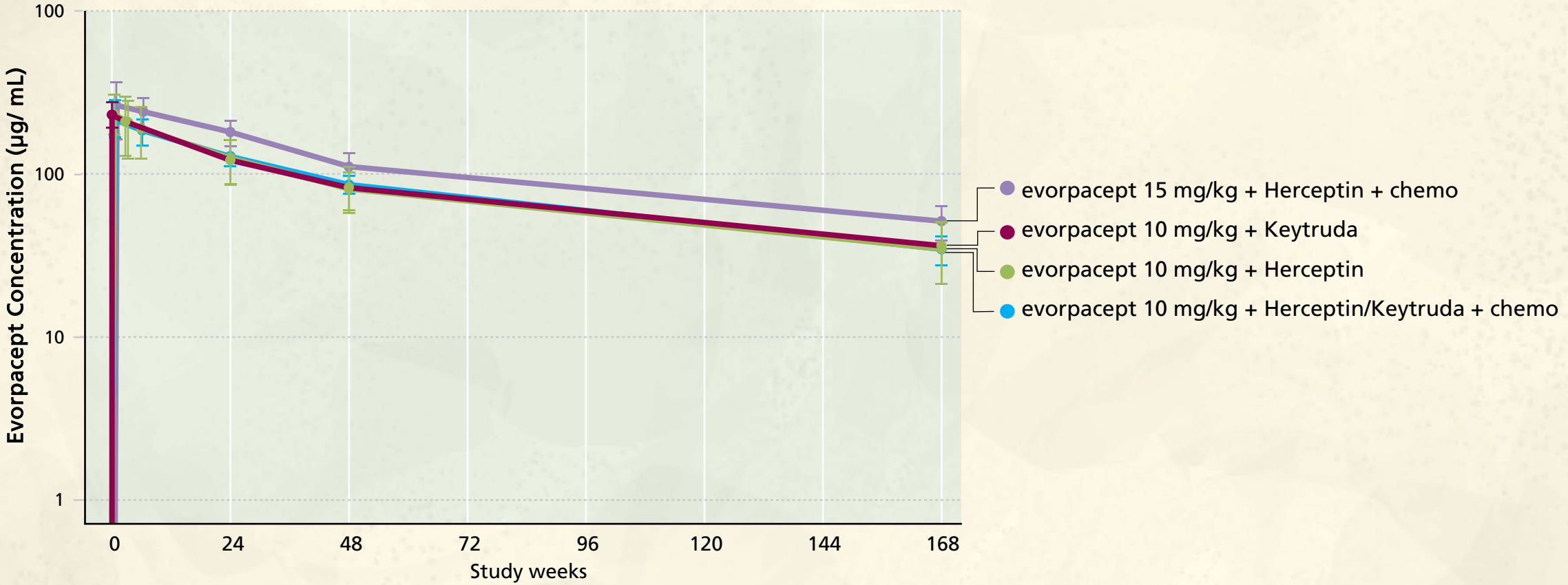
PHASE 1B ≥2 LINE GC TRIAL: EVORPACEPT + HERCEPTIN + CYRAMZA + PACLITAXEL BEST OVERALL AND DURATION OF RESPONSE WHILE ON TREATMENT



Data Cutoff September 1, 2021; Discontinuation due to symptoms of disease progression (n=1), unrelated AE (n=1), patient's decision (n=1).

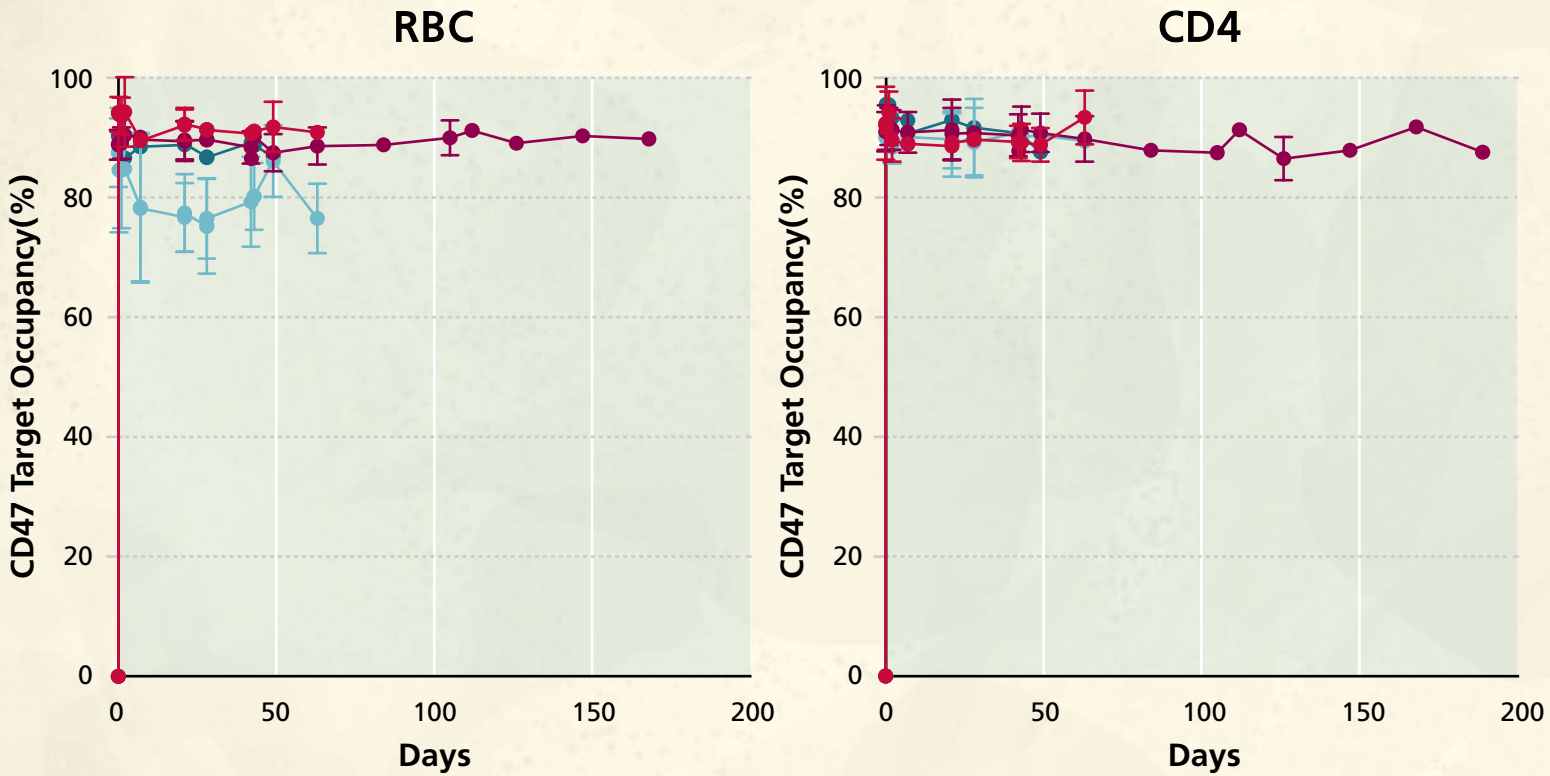
ALX ONCOLOGY

EVORPACEPT PK FOLLOWING COMBINATION THERAPIES IS COMPARABLE WITH AND WITHOUT CHEMOTHERAPY



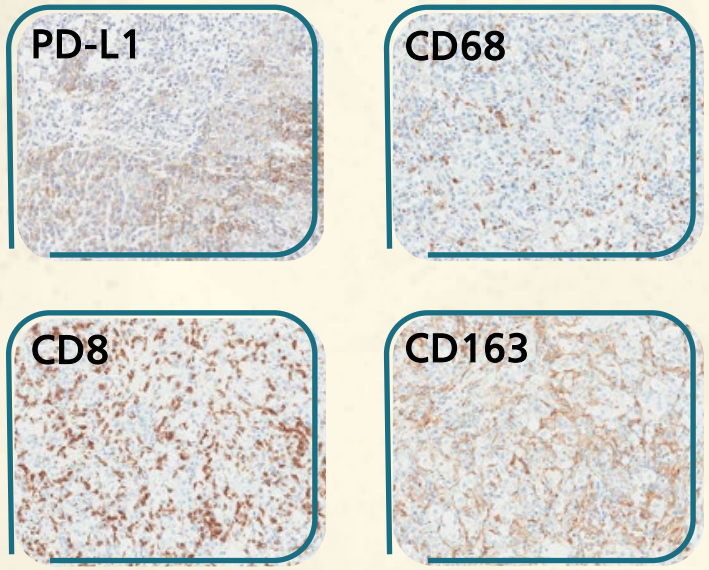
ALX ONCOLOGY

NEAR COMPLETE CD47 TARGET OCCUPANCY IS MAINTAINED THROUGHOUT EVORPACEPT DOSING INTERVAL WHEN COMBINED WITH CHEMOTHERAPY CONTAINING REGIMENS

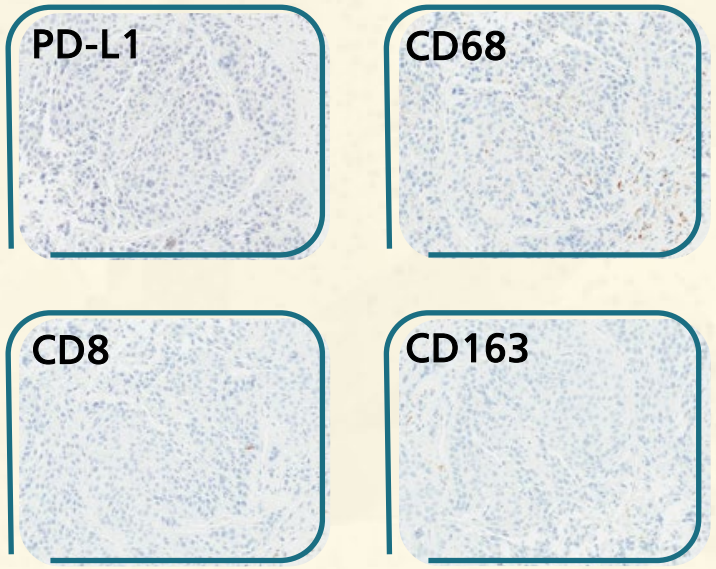


PRE-TREATMENT IHC RESULTS IN HOT AND COLD TUMORS
HNSCC PATIENT 1 (PD-L1 POSITIVE) AND PATIENT 2 (PD-L1 NEGATIVE)

Patient 1 Best Overall Response: CR
Immunologically "hot" tumor



Patient 2 Best Overall Response: PR
Immunologically "cold" tumor



Patient 1: HNSCC (CPS 50) characterized as immunologically "hot" with a high density of infiltrating T lymphocytes (CD8) and tumor associated macrophages and myeloid cells (CD68 and CD163).

Patient 2: HNSCC (CPS 0) characterized as immunologically "cold" where immune cells are excluded from the tumor core while present at lower density in the peri-tumoral regions.

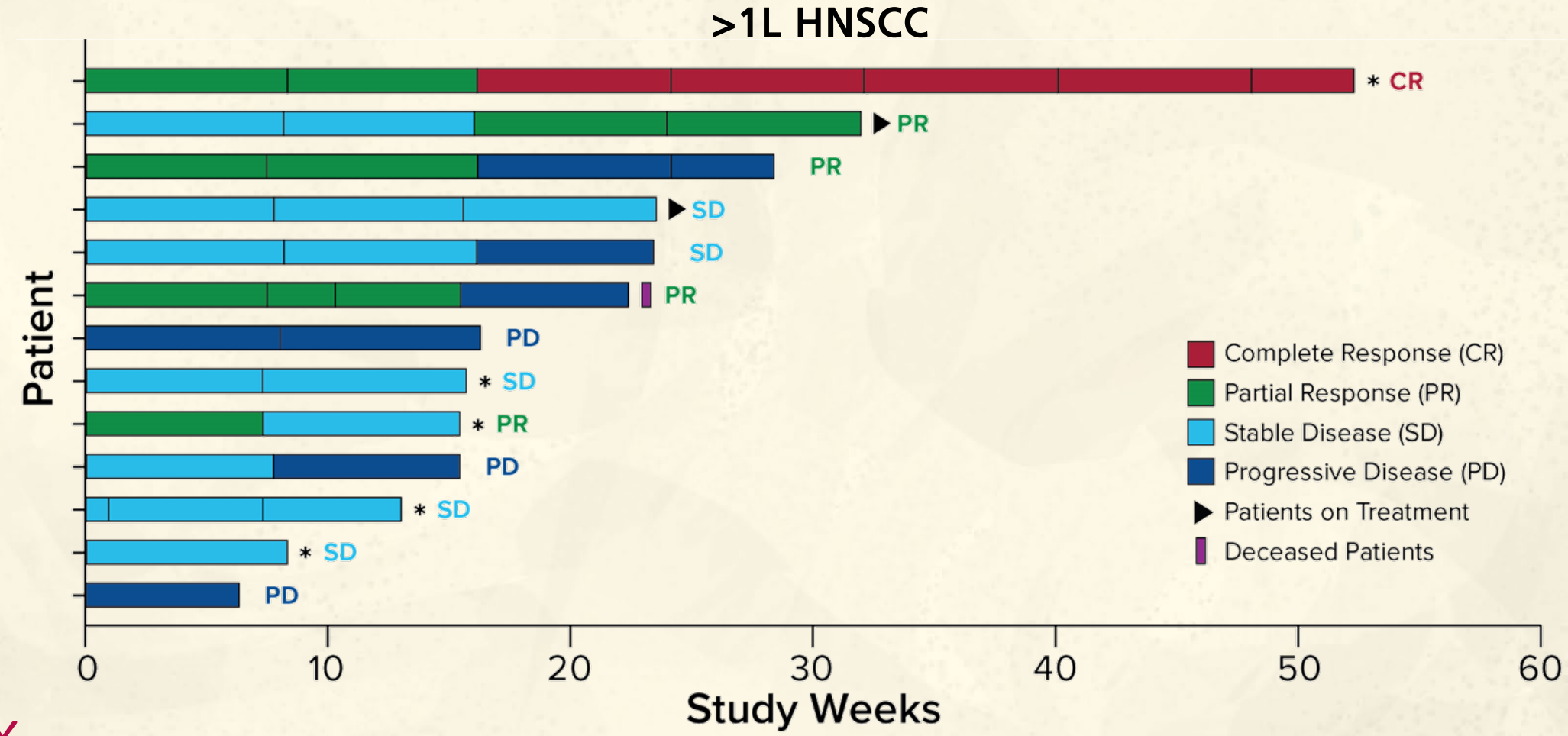
PHASE 1B FIRST LINE HNSCC: EVORPACEPT + KEYTRUDA + 5FU/PLATINUM TREATMENT RELATED ADVERSE EVENTS

	Evorpacept + Pembrolizumab + 5FU + Platinum (N=13) / Adverse Event, n (%)					
Grade	ALL Causality			Evorpacept - Related		
Evorpacept Dose QW	G1-2	G3	G4	G1-2	G3	G4
Anemia	4 (31)	4 (31)	–	–	1 (8)	–
Nausea	8 (62)	–	–	–	–	–
Stomatitis	7 (54)	1 (8)	–	–	–	–
Neutrophil Count Decreased / Neutropenia	2 (15)	5 (38)	–	1 (8)	–	–
Platelet Count Decreased /Thrombocytopenia	7 (54)	–	–	–	–	–
Fatigue	5 (38)	–	–	1 (8)	–	–
Alanine Aminotransferase Increased	3 (23)	1 (8)	–	–	–	–
Dysphagia	1 (8)	1 (8)	–	–	–	–
Hypersensitivity	1 (8)	–	1 (8)	–	–	1 (8)
Pneumonia	1 (8)	1 (8)	–	–	–	–
Pneumonitis	2 (15)	–	—	1 (8)	–	–
Candida Infection	–	1 (8)	–	–	–	–
Cardiac Tamponade	–	–	1 (8)	–	–	–
Headache	–	1 (8)	–	–	–	–
Pericarditis Constrictive	–	1 (8)	–	–	–	–
Supraventricular Tachycardia	–	1 (8)	–	–	–	–
Tracheal Obstruction	–	1 (8)	–	–	–	–

Data Cutoff September 1, 2021
Evorpacept: 10 mg/kg (n=3) & 15 mg/kg (n=10); All TEAEs occurring in ≥ 4patients. For cases of TEAEs Grade ≥3 and any TRAE, all AEs are listed irrespective of patient numbers.

ALX ONCOLOGY

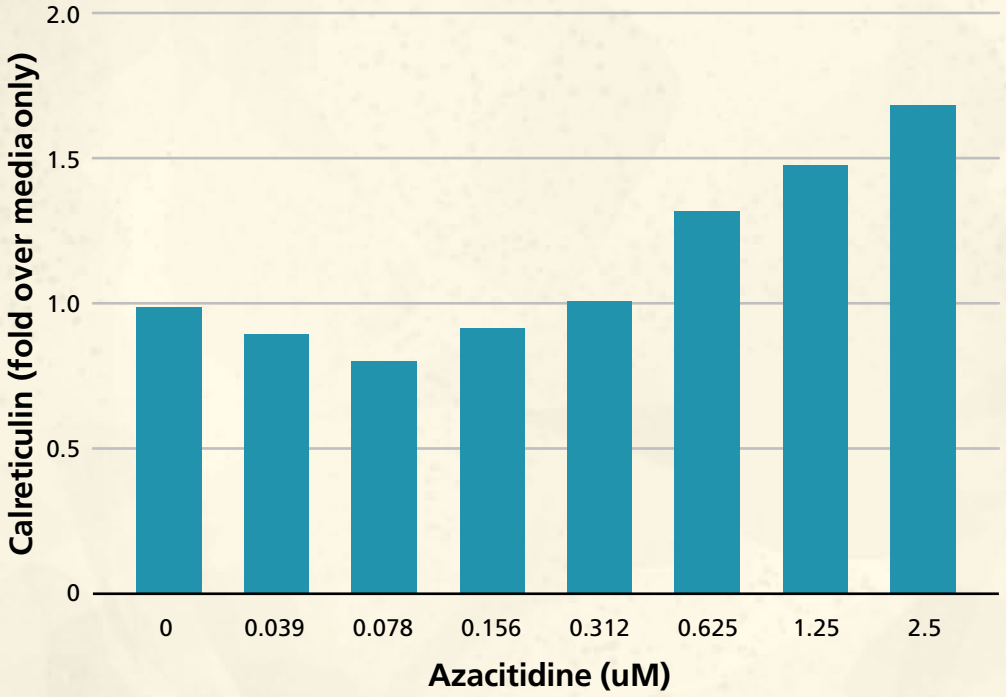
PHASE 1B FIRST LINE HNSCC: EVORPACEPT + KEYTRUDA + 5FU/PLATINUM BEST OVERALL AND DURATION OF RESPONSE WHILE ON TREATMENT

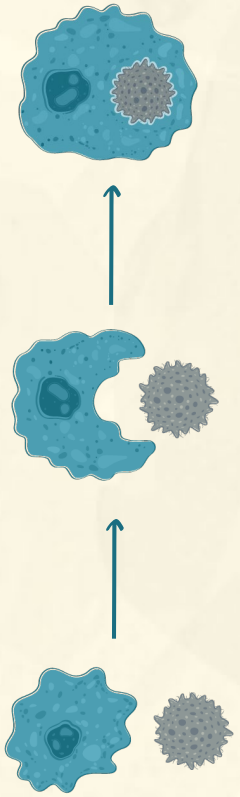


Data Cutoff September 1, 2021; *Discontinuation due to unrelated AE (n=2), patient's decision (n=1), missing data (n=2).

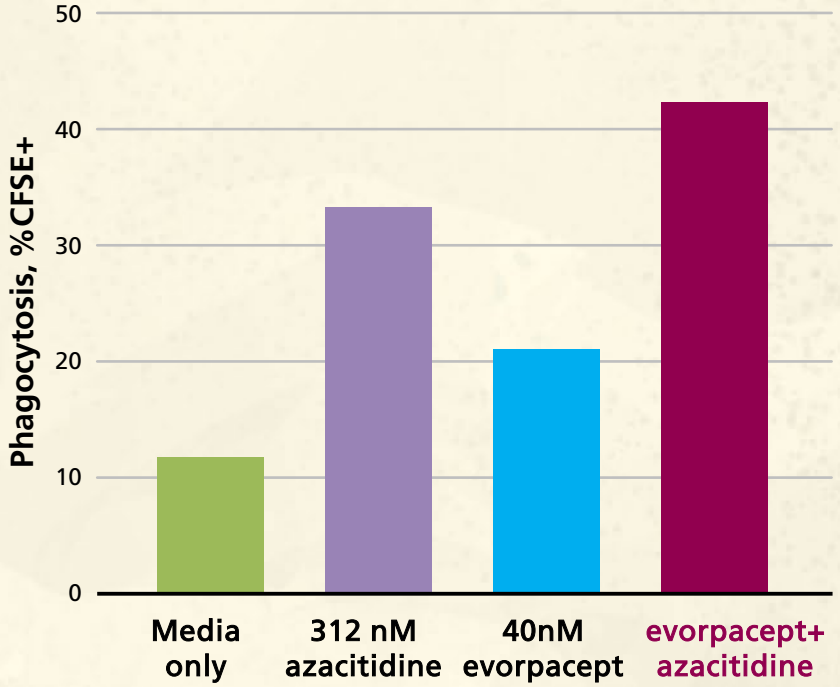
PRECLINICAL: EVORPACEPT INCREASES PHAGOCYTOSIS OF BACKBONE MDS DRUG, AZACITIDINE

Calreticulin levels on HL60 Cells





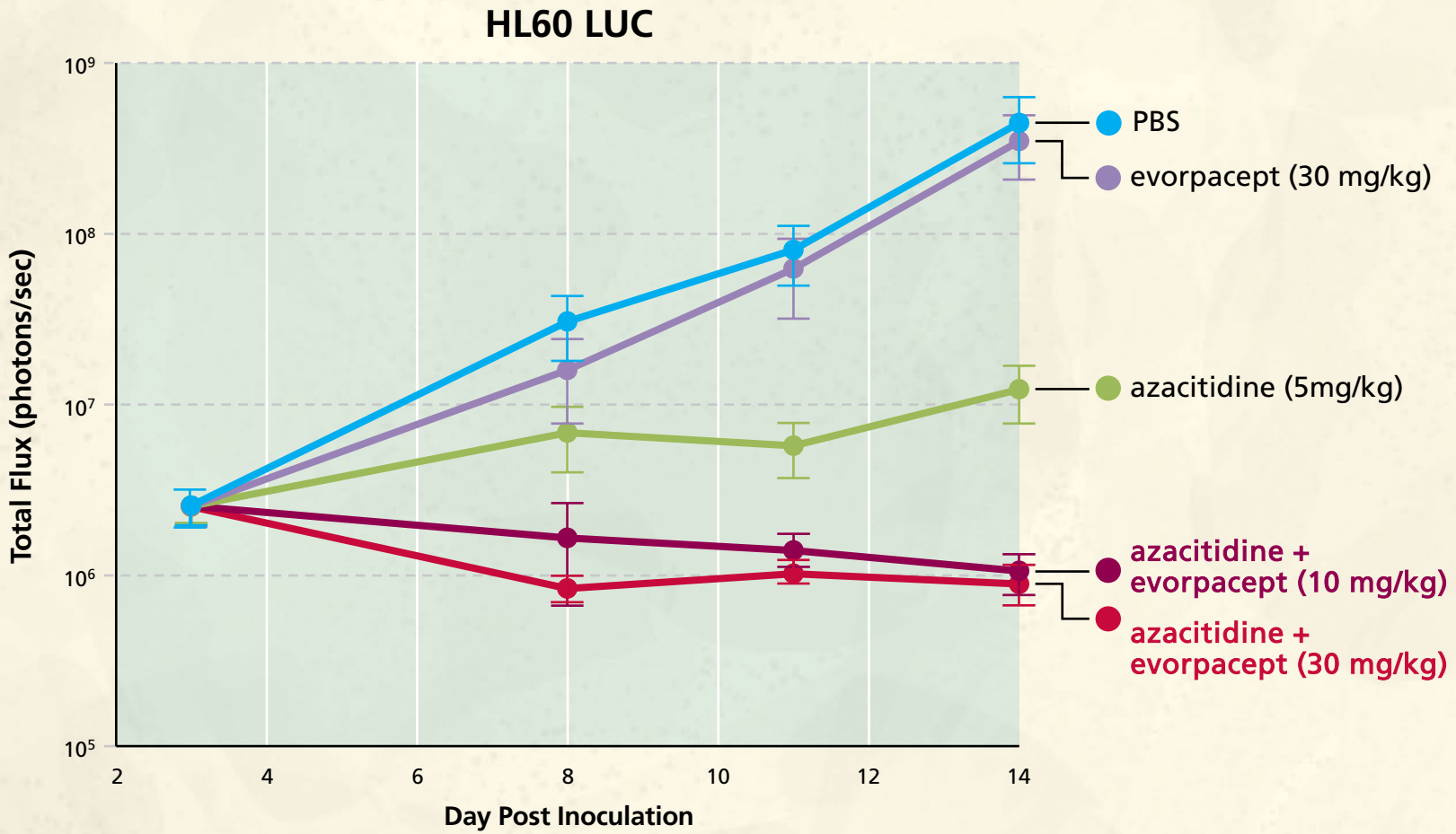
Phagocytosis of HL60 Cells



Azacitidine induces calreticulin display.
Evorpacept increases phagocytosis in combination with azacitidine.

ALX ONCOLOGY

EVORPACEPT INCREASES TUMOR INHIBITION OF AZACITIDINE



Disseminated AML mouse model

Combination opportunity in MDS and AML

ALX ONCOLOGY

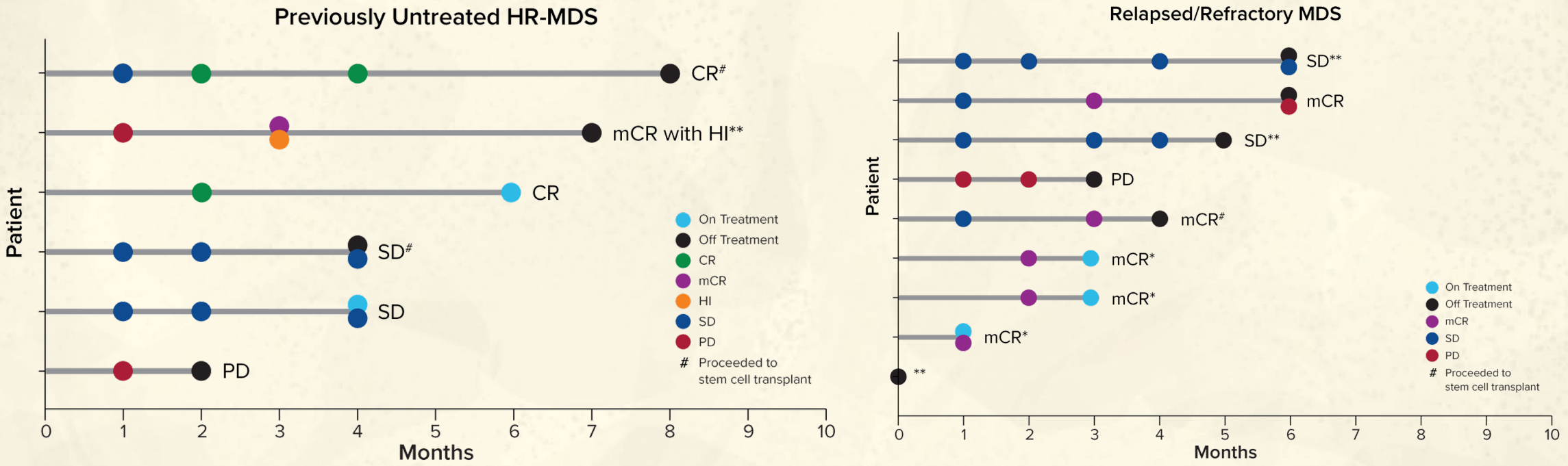
PHASE 1B MDS: EVORPACEPT + AZACITIDINE PREVIOUSLY UNTREATED HR-MDS AND RELAPSED/REFRACTORY MDS ADVERSE EVENTS

Adverse Event, n	20 mg/kg Q2W (N=3)		30 mg/kg Q2W (N=3)		60 mg/kg Q4W (N=16)		Total (N=22) All Grade n (%)
	Grade 1/2	Grade 3/4	Grade 1/2	Grade 3/4	Grade 1/2	Grade 3/4	
Blood Creatinine Increased	2	–	1	–	2	–	5 (23)
Constipation	1	–	1	–	2	1	5 (23)
Diarrhea	1	–	1	–	3	–	5 (23)
Fatigue	–	–	–	–	4	1	5 (23)
Neutropenia/Neutrophil Count Decreased	–	–	–	1	1	3	5 (23)
Anemia	1	1	1	–	–	1	4 (18)
Dizziness	–	–	1	–	3	–	4 (18)
Dyspnea	1	–	–	–	2	1	4 (18)
Febrile Neutropenia	–	2	–	–	–	2	4 (18)
Infusion Related Reaction	–	–	–	–	4	–	4 (18)
Nausea	–	–	1	–	3	–	4 (18)
Abdominal Pain	1	–	1	–	1	–	3 (14)
Contusion	1	–	1	–	1	–	3 (14)
Platelet Count Decreased	–	2	–	1	–	–	3 (14)
Pneumonia	–	1	–	–	–	2	3 (14)
Transfusion Reaction	2	–	–	–	1	–	3 (14)
Vomiting	1	–	–	–	2	–	3 (14)

ALX ONCOLOGY

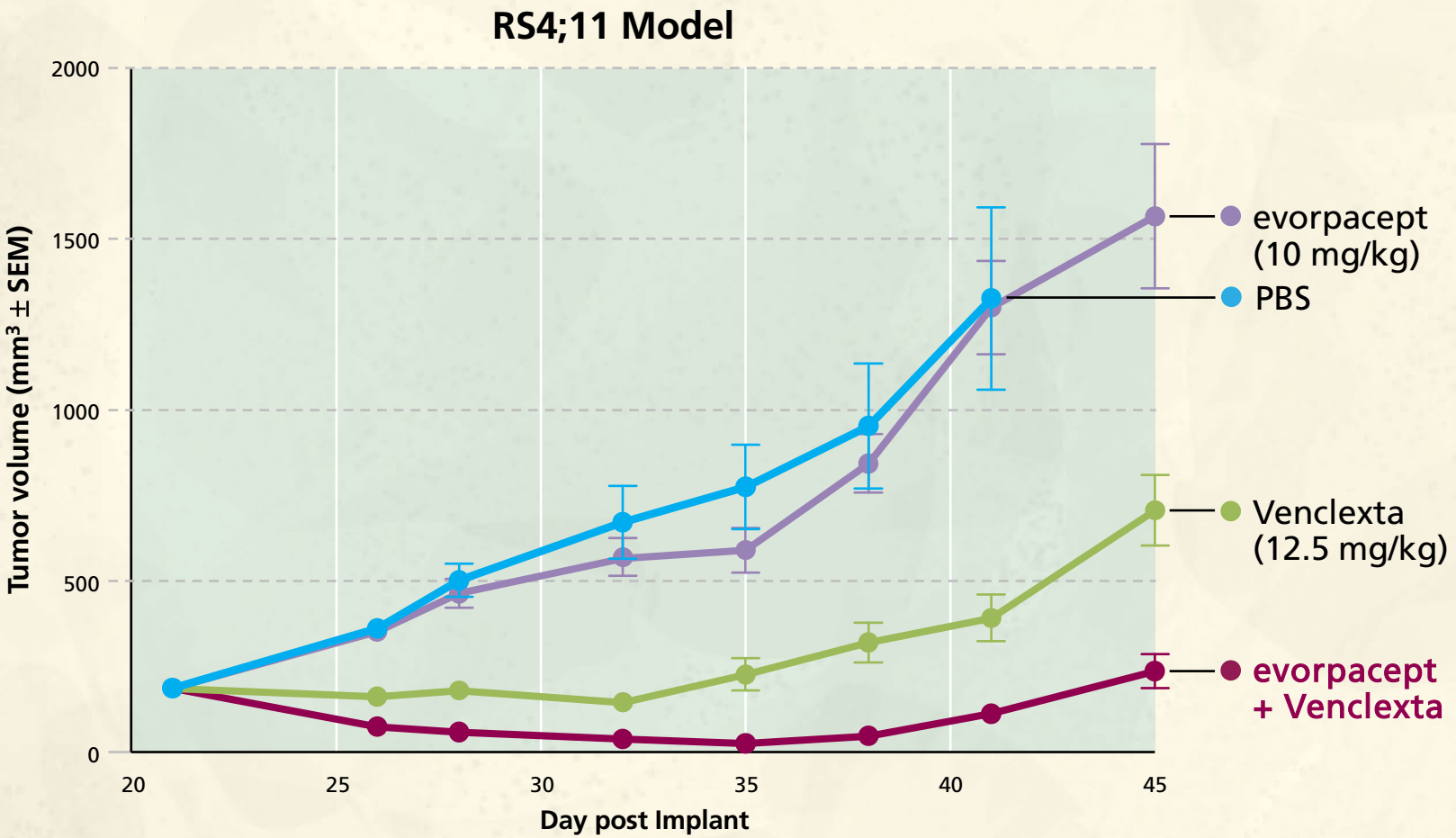
Data Cutoff October 25, 2021

PHASE 1B MDS: EVORPACEPT + AZACITIDINE
PREVIOUSLY UNTREATED HR-MDS AND RELAPSED/REFRACTORY MDS
DURATION OF RESPONSE



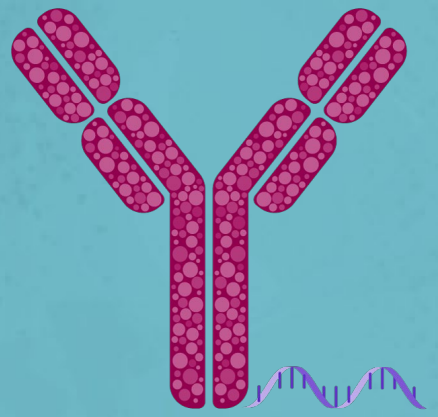
Data Cutoff 25Oct2021; Response-evaluable population (n=15); *Unconfirmed responses; **Off treatment due to disease progression (n=1), investigator decision (n=2), and G5 unrelated event (n=1).

EVORPACEPT INCREASES TUMOR INHIBITION OF VENCLEXTA



Combination opportunity in AML

ALX ONCOLOGY



EARLY STAGE PIPELINE: SIRPα-TRAAC COLLABORATION

ALX ONCOLOGY

ALX ONCOLOGY AND TALLAC THERAPEUTICS 50/50 JOINT COLLABORATION ON NOVEL SIRPα ANTIBODY – TLR9 AGONIST CONJUGATE (SIRPα TRAAC)

Provides SIRPα antibody

- CD47-SIPRα is a dominant myeloid checkpoint mechanism where SIRPα is expressed on myeloid and dendritic cells as well as on a range of tumor cells.
- SIRPα expression on tumor cells enables tumor microenvironment localization of SIRPα TRAAC.

Provides TRAAC platform and TLR9 agonist

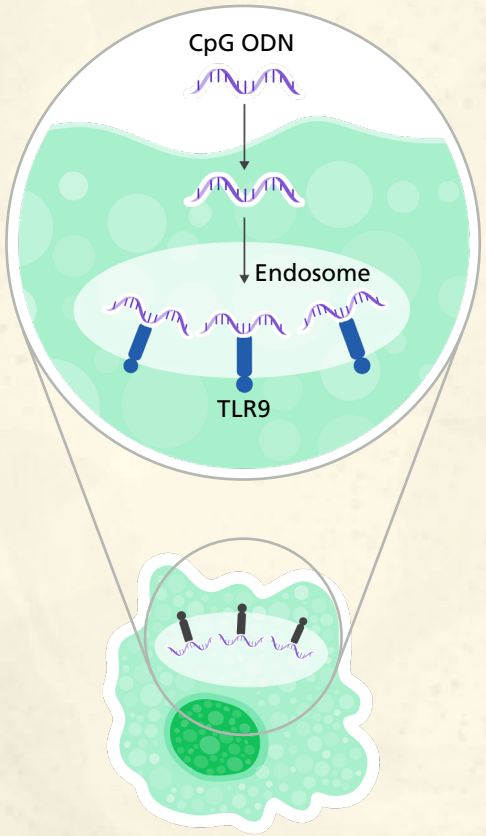
- Toll-like receptor 9 (TLR9) is a key receptor in the innate immune response.
- Synthetic CpG oligonucleotides (CpG ODNs) are potent TLR9 agonists that stimulate antitumoral cytokine production and immune activation.
- Novel Toll-like receptor agonist antibody conjugation platform (TRAAC) enables systemic delivery of targeted TLR9 activation.

SIRPα TRAAC induces targeted immune activation, bridging innate and adaptive immune responses.

SIRPα TRAAC simultaneously overrides "don't eat me" signals by blocking CD47-SIRPα myeloid checkpoint pathway and induces TLR9-based immune activation in antigen presenting cells (APCs).

TOLL-LIKE RECEPTOR 9 (TLR9): A KEY INNATE PATHWAY
PROOF-OF-CONCEPT DATA IN MELANOMA PATIENTS WITH INTRATUMORAL TLR9 AGONISTS

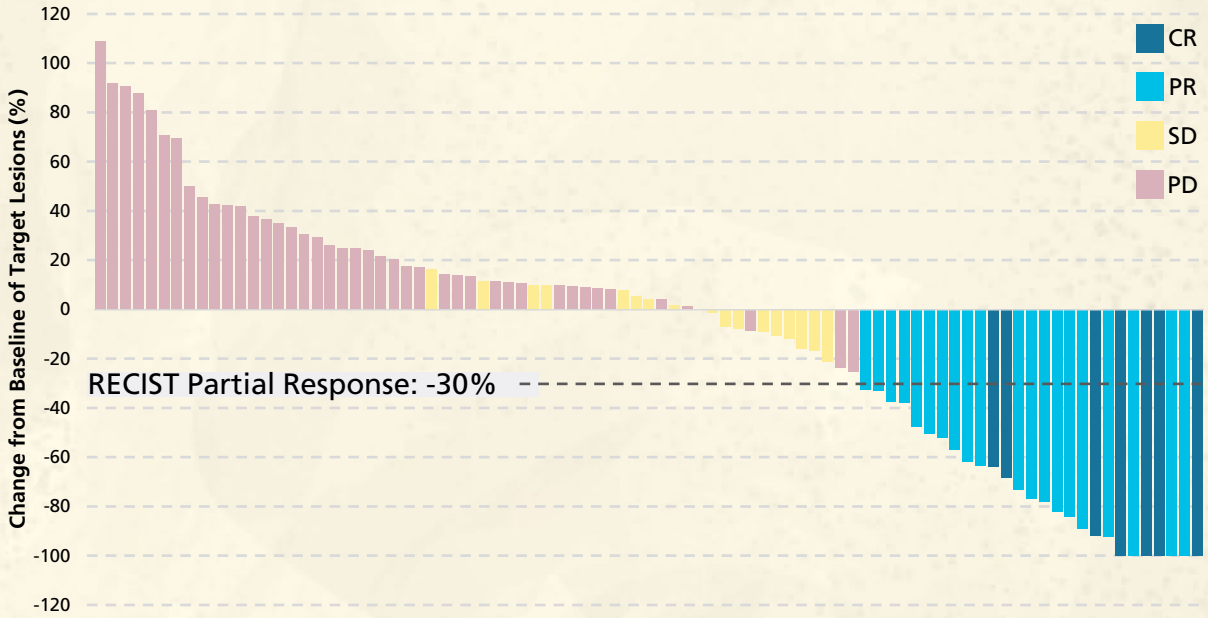
TLR9 stimulation by CpG ODN leads to immune cell activation



CpG ODN uptake

Immune activation

Intratumoral programs have demonstrated clinical activity



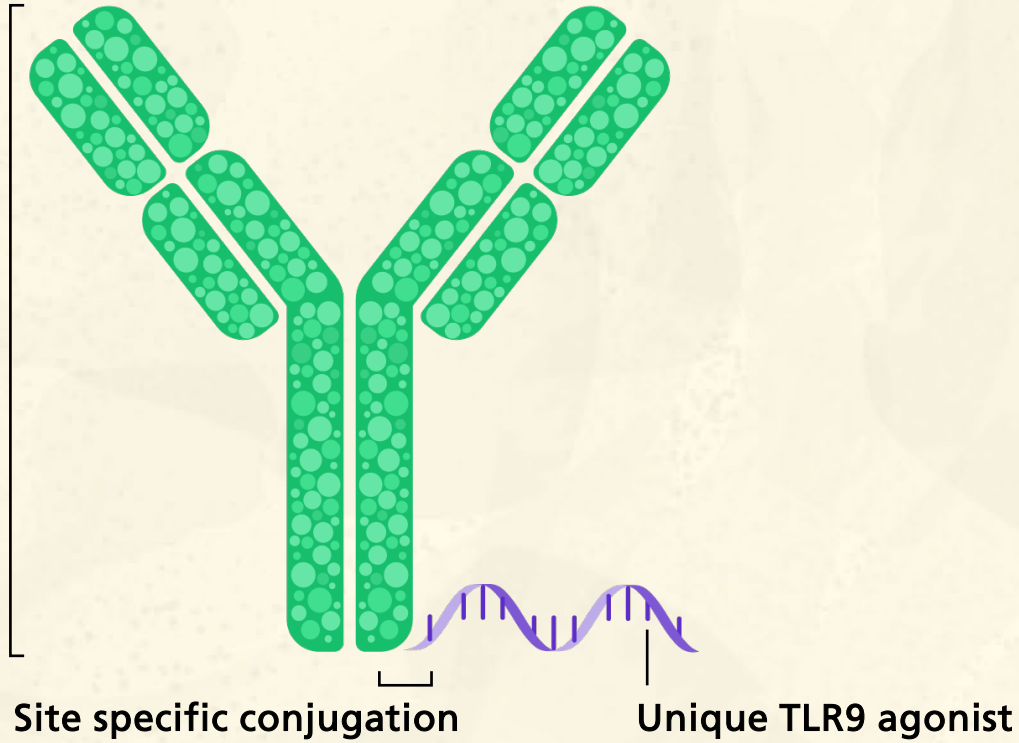
CMP-001 (Checkmate) + Pembrolizumab in Anti-PD-1 Refractory Melanoma, [1-4]Checkmate, S1 2020.

Additional clinical data from SD-101 (Dynavax), IMO-2125 (Idera) and AST-008 (Exicure) further validate TLR9 agonism in cancer.

ALX ONCOLOGY

TALLAC TRAAC PLATFORM: SYSTEMIC, TARGETED IMMUNE ACTIVATION
ANTIBODY DIRECTS TLR9 AGONIST (T-CPG) TO SPECIFIC IMMUNE CELLS

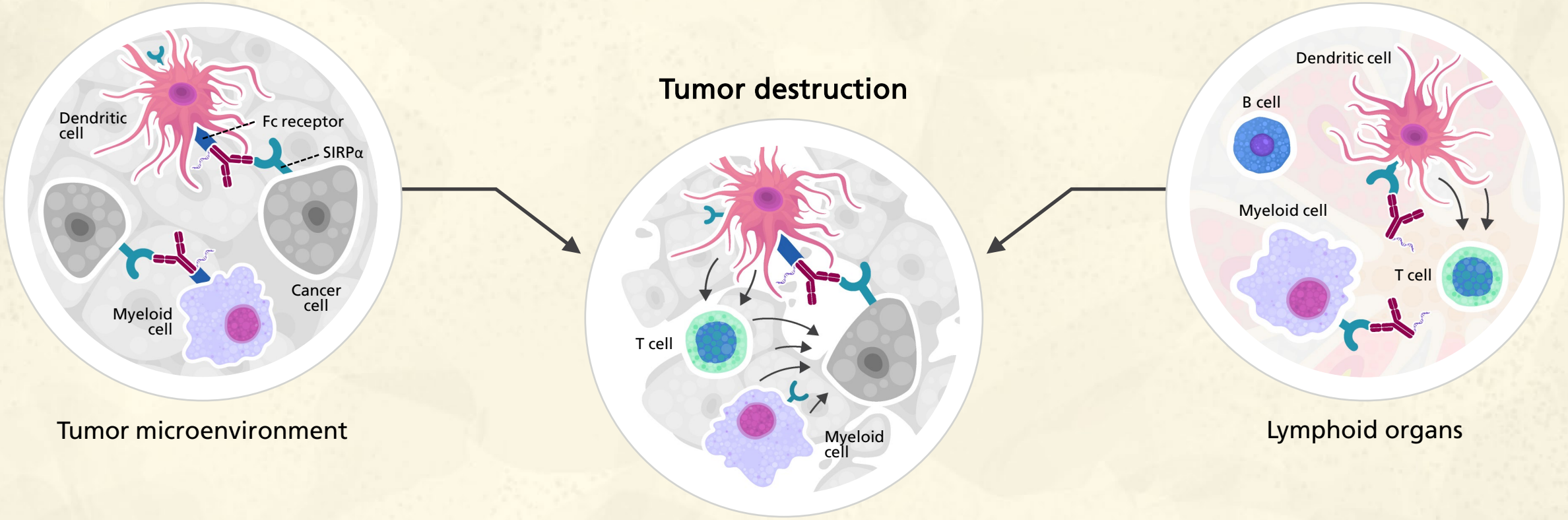
TLR9 Agonist Antibody Conjugate (TRAAC):
Systemic dosing with cell specific TLR9 activation



Targeted-CpG (T-CpG) designed specifically for compatibility with antibody conjugation, superior PK, receptor-mediated uptake and TLR9 stimulation

ALX ONCOLOGY

SIRPα IS EXPRESSED ON MYELOID AND DENDRITIC CELLS AS WELL AS SELECTED TUMOR TYPES



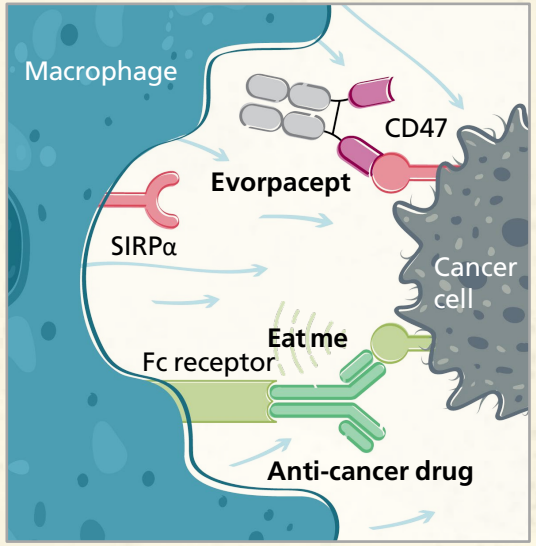
- SIRPα TRAAC binding to myeloid cells targets TLR9 activation in myeloid cells that matter (e.g. dendritic cells).
- SIRPα expression on tumor cells enables tumor microenvironment localization of SIRPα TRAAC.
- SIRPα TRAAC blocks CD47-SIRPα myeloid checkpoint pathway.

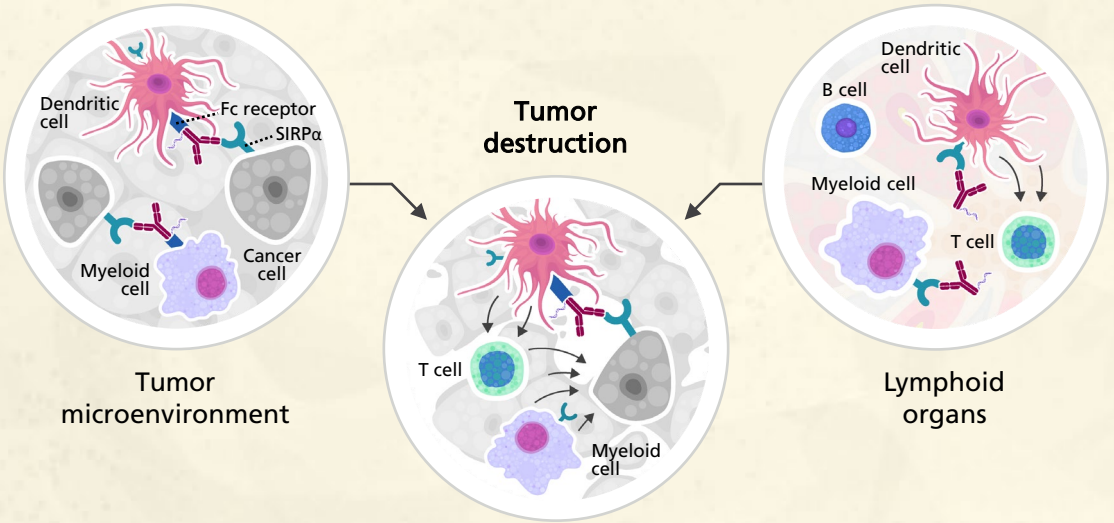
ALX ONCOLOGY

SIRPα TRAAC PROGRAM IS COMPLEMENTARY TO EVORPACEPT

Evorpacept is an antagonistic molecule designed to maximize the activity of a wide array of anti-cancer agents by blockade of the CD47 myeloid checkpoint.

Removal of the CD47 inhibitory signal requires constant, full blockade of the pathway.





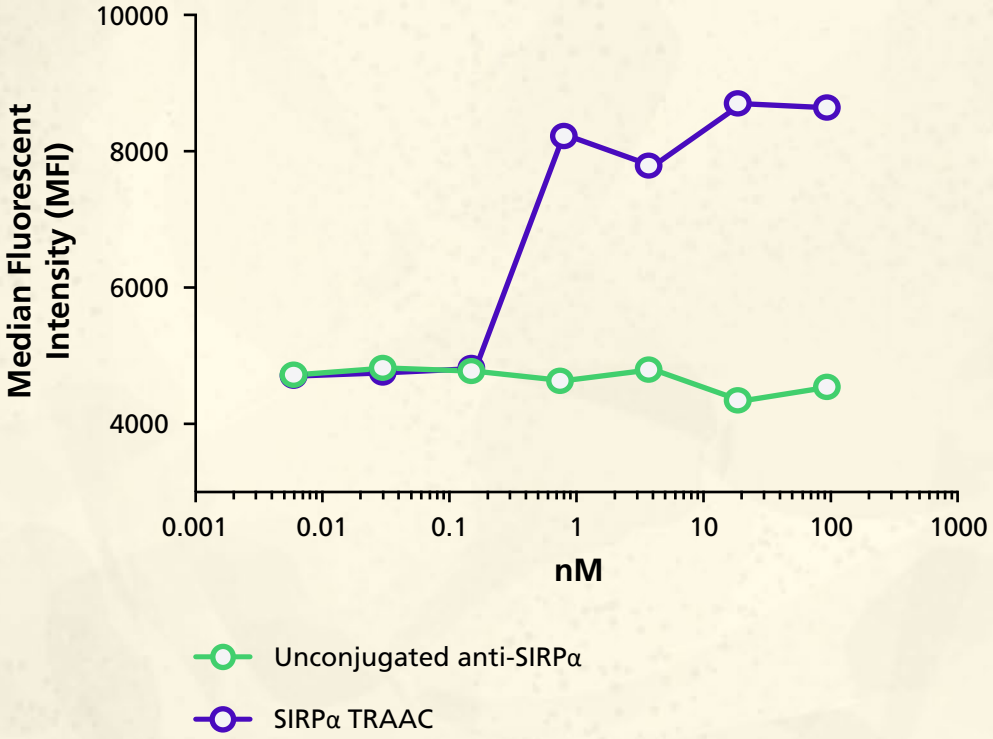
SIRPα TRAAC is an agonistic molecule that directly activates dendritic cells and initiates a coordinated innate and adaptive immune response against cancer.

In the case of agonistic molecules (TLR9 agonist), constant blockade is not required.

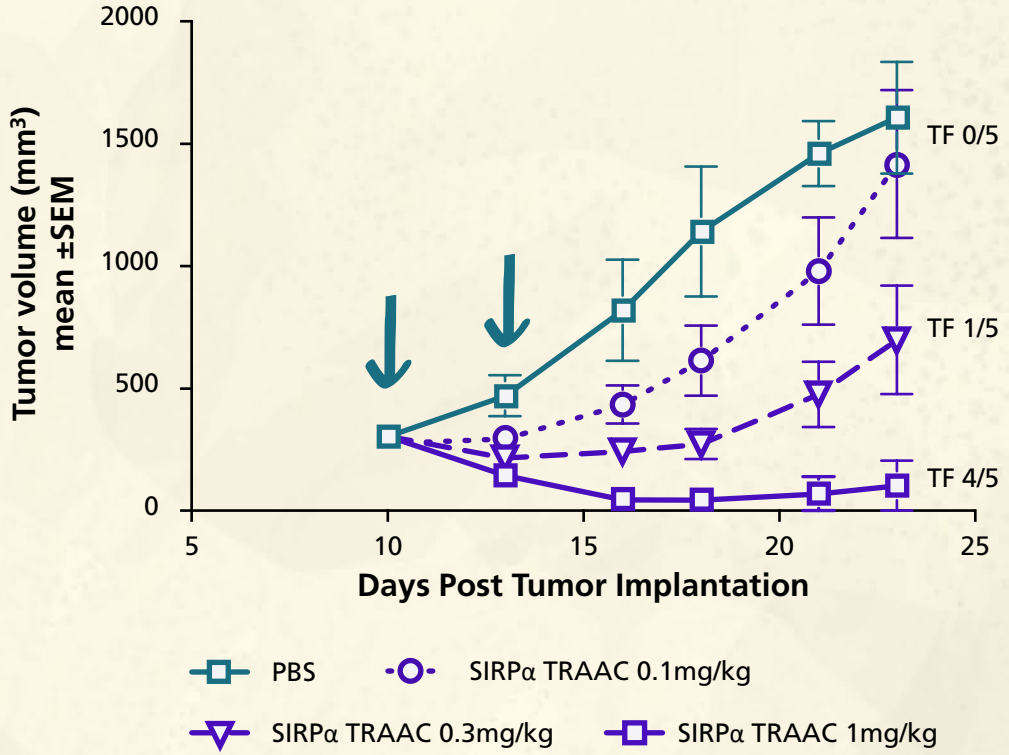
ALX ONCOLOGY

SIRPα TRAAC INDUCES POTENT AND SELECTIVE IMMUNE ACTIVATION AND LEADS TO POTENT SINGLE AGENT ACTIVITY IN TUMOR MODELS

Human dendritic cells
Activation Marker CD86



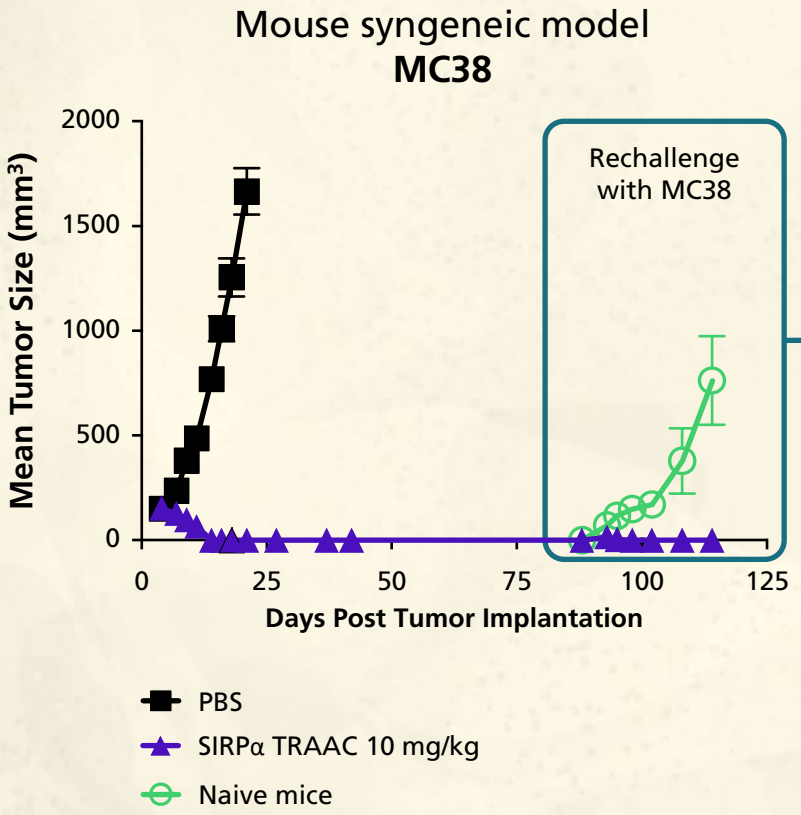
Mouse syngeneic model
CT26

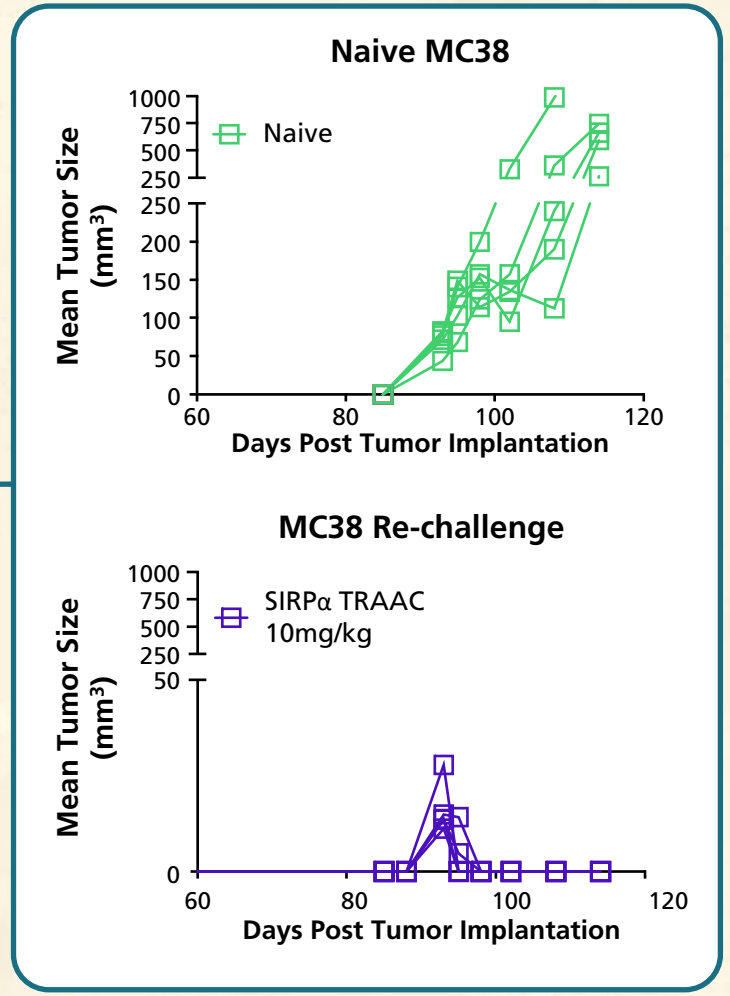


Harrabi et al., SITC, 2020

ALX ONCOLOGY

SYSTEMIC ADMINISTRATION OF SIRPα TRAAC GENERATES DURABLE ANTI-TUMOR RESPONSE AND IMMUNOLOGICAL MEMORY



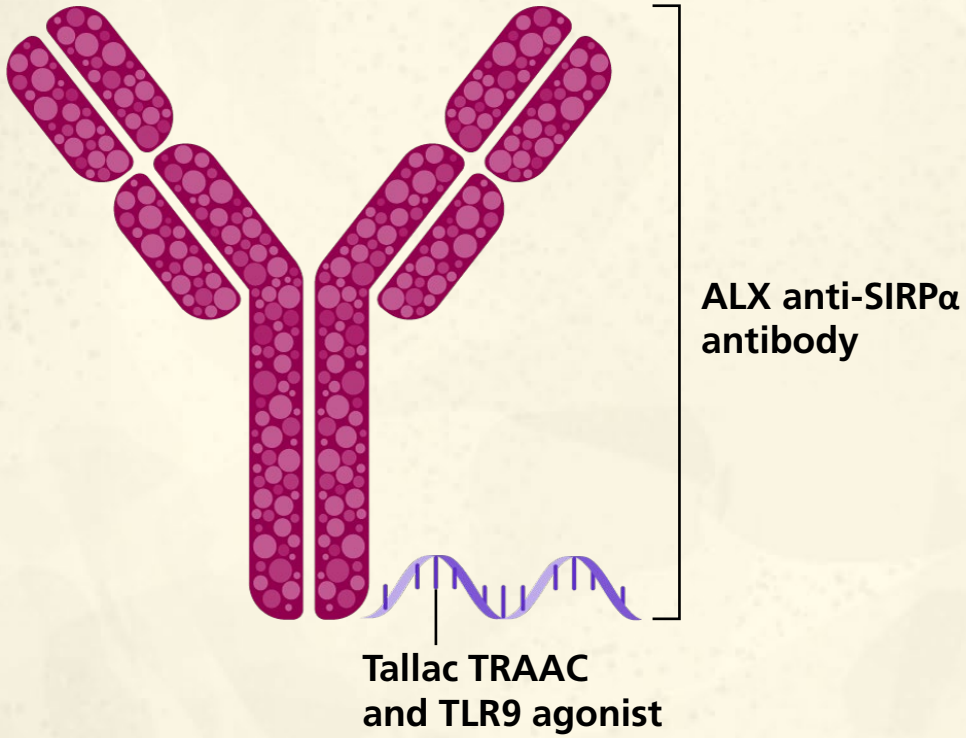


- Established MC38 tumors were eradicated following 10 mg/kg 2q3d systemic treatment with SIRPα TRAAC.
- These tumor free mice were then re-challenged 60-70 days post tumor clearance.
- SIRPα TRAAC treatment group demonstrated immune protection from the tumor re-challenge.
- Naïve age-matched mice were used as control for tumor growth.

Harrabi et al., SITC, 2020

ALX ONCOLOGY

ALTA-002: TARGETING IMMUNE ACTIVATION TO WHERE IT MATTERS



- SIRPα TRAAC binding to myeloid cells targets TLR9 activation in key myeloid cells (e.g. dendritic cells).
- SIRPα expression on tumor cells enables localization of SIRPα TRAAC to tumor microenvironment.
- SIRPα TRAAC blocks CD47-SIRPα myeloid checkpoint pathway.
- Antibody-like PK profile allows for convenient dosing.
- Antibody conjugate produced through established manufacturing processes.

IND expected beginning of 2023

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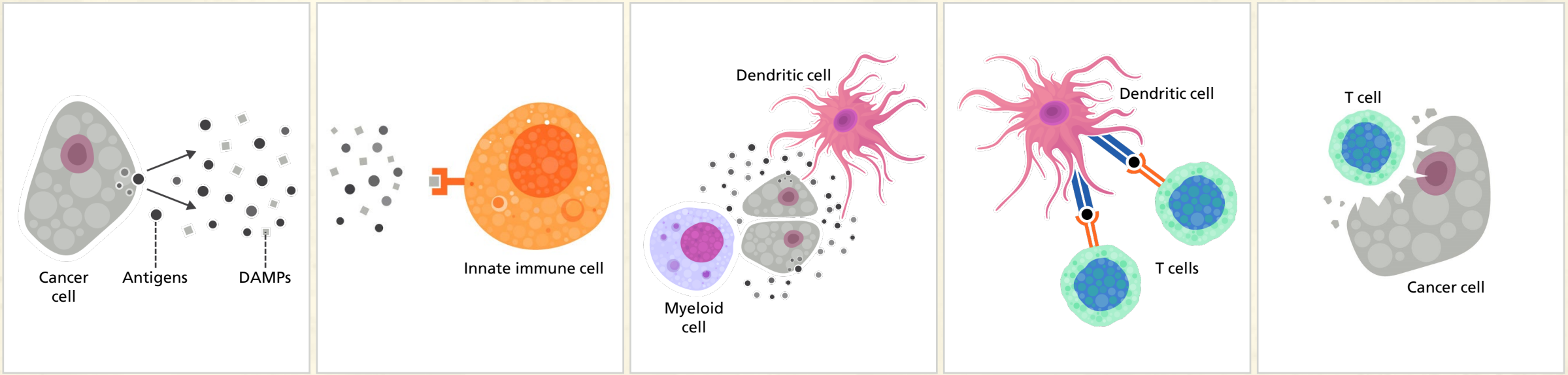
HARNESSING THE POWER OF INNATE AND ADAPTIVE IMMUNE RESPONSES TO CANCER



1. Release of PAMPs/DAMPs and tumor antigens

2. Detection by PRRs on innate immune cells

3. Amplification of innate immune cell activation

4. Antigen presentation and activation of T cells

5. Recognition and elimination of tumor by T cells

- Successful immune-mediated elimination of cancer requires coordination between the innate and adaptive arms of the immune system.
- Innate immune cells (macrophages, myeloid cells and dendritic cells) may utilize a variety of signaling pathways, including TLR9, TLR7 or 8, STING and CD40, to trigger proinflammatory programs and engage the adaptive immune system.

DAMPs: damage-associated molecular patterns
PAMPs: pathogen-associated molecular patterns
PRRs: pattern recognition receptors

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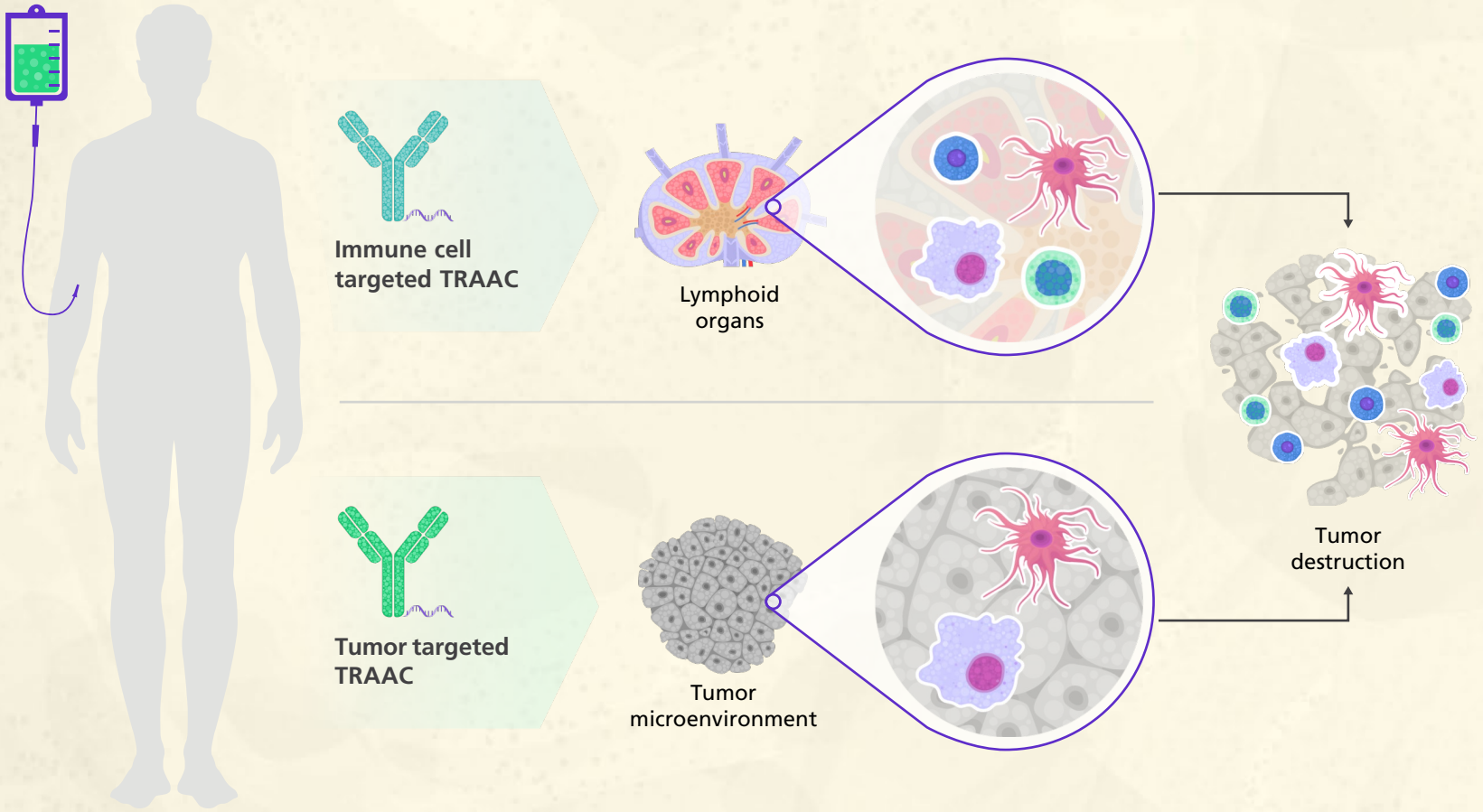
TLR9 AGONIST ANTIBODY CONJUGATE (TRAAC) ENABLES VERSATILE TARGETING OF IMMUNE CELLS THAT MATTER



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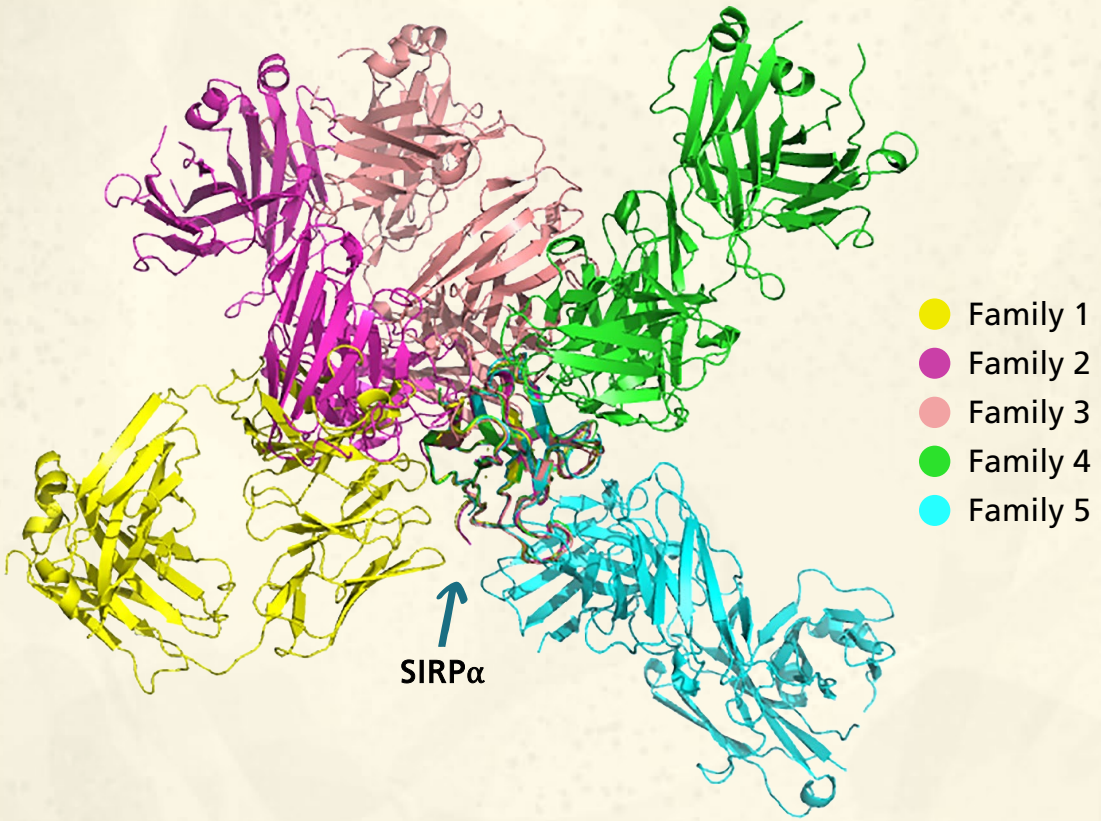
ALX ONCOLOGY'S SIRPα ANTIBODIES: HIGH AFFINITY AND DIVERSE EPITOPES



ALX's diverse range of SIRPα antibodies

Diversity allows selection of best-in-class SIRPα antibodies:

- Binds human SIRPα variants V1 and V2
- Cross reacts with rodent, monkey and human SIRPα
- Wide range of affinities
- Full coverage of SIRPα domain 1 surface allows selection for optimal epitope

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