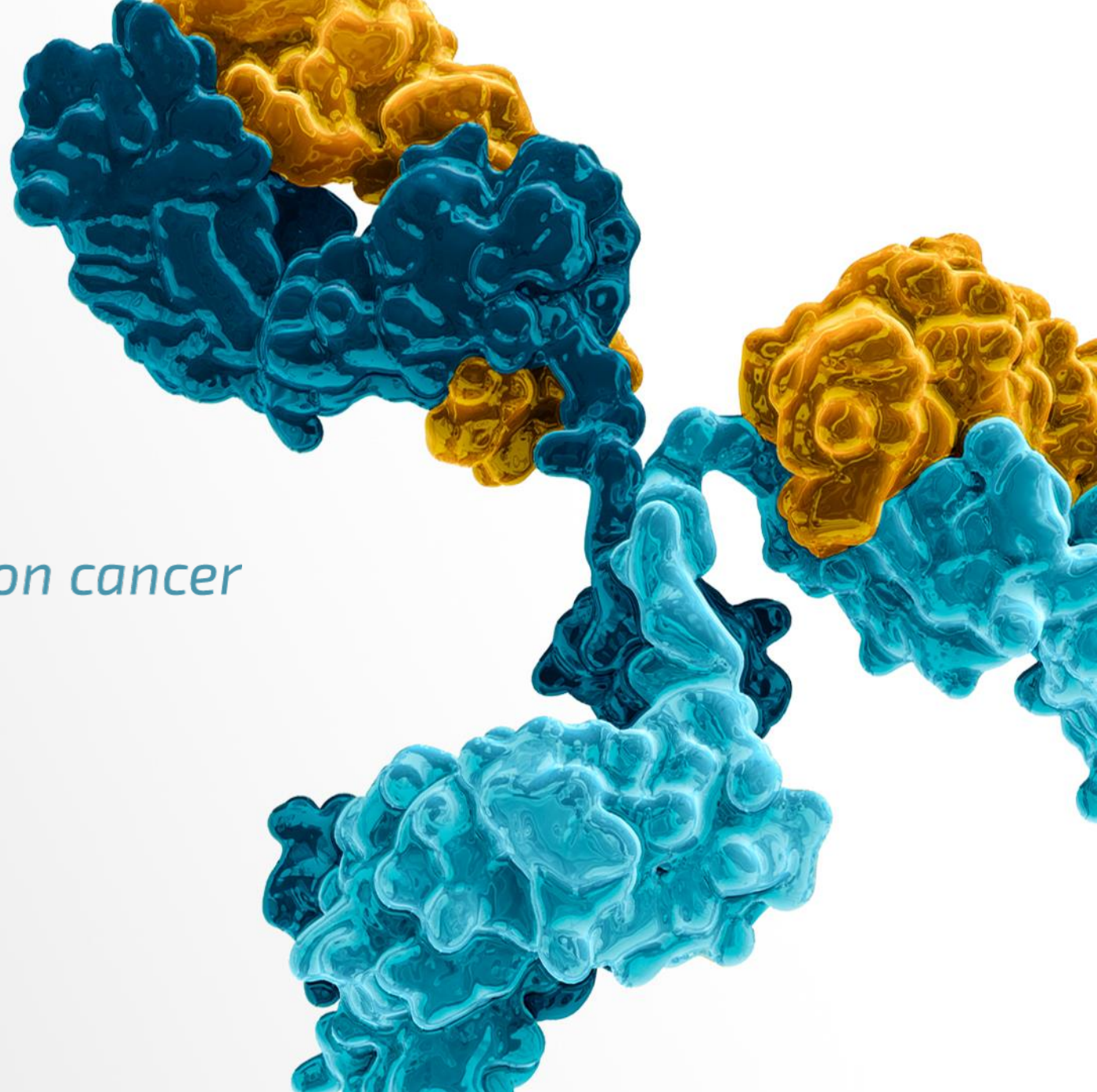


Merus *closing in on cancer*

Corporate Presentation

May 2024

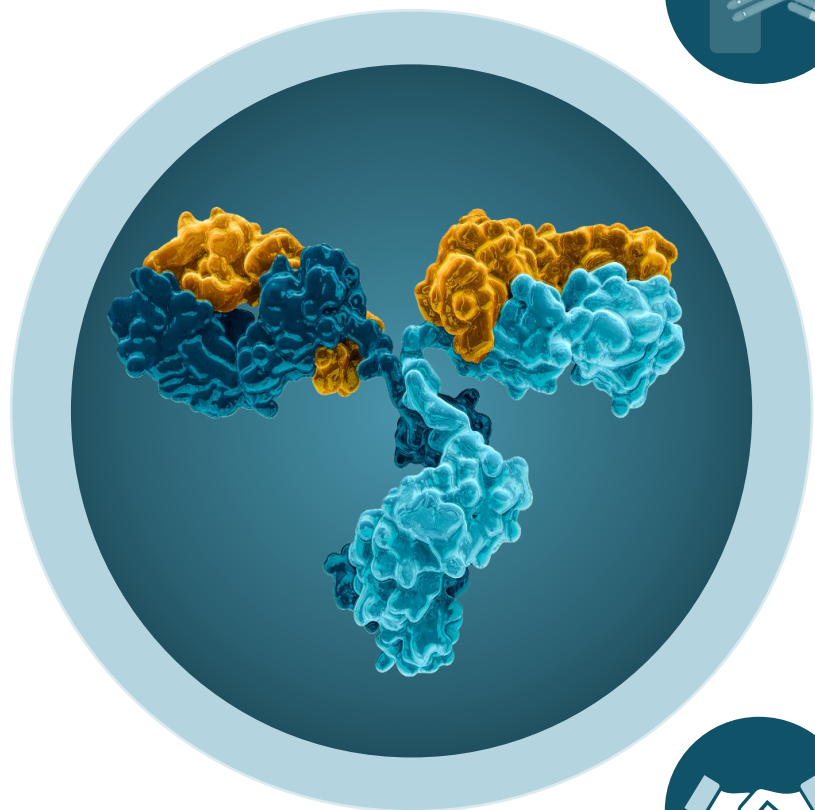


Disclaimer

This presentation (including any oral commentary that accompanies this presentation) contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this presentation that do not relate to matters of historical fact should be considered forward-looking statements, including without limitation statements regarding the impact our Biclomics® and Triclomics® platforms can have on cancer, our intellectual property, our product candidates' potential to treat certain types of tumors, the timing of regulatory filings and the timing and anticipated data read-outs, updates or results from our clinical trials and our collaborations, and anticipated cash runway. These forward-looking statements are based on management's current expectations. These statements are neither promises nor guarantees, but involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements, including, but not limited to, the following: we have incurred significant losses, are not currently profitable and may never become profitable; our need for additional funding, which may not be available and which may require us to restrict our operations or require us to relinquish rights to our technologies or antibody candidates; potential delays in regulatory approval and impacts of the market volatility, and global conflict in Russia, Ukraine and the Middle East, which would impact our ability to commercialize our product candidates and affect our ability to generate revenue; the unproven approach to therapeutic intervention of our Biclomics®, and Triclomics® technology; our limited operating history; economic, political, regulatory and other risks involved with international operations; the lengthy and expensive process of clinical drug development, which has an uncertain outcome; the unpredictable nature of our stage of development efforts for marketable drugs; potential adverse public reaction to the use of cancer therapies; potential delays in enrollment of patients, which could affect the receipt of necessary regulatory approvals; failure to obtain marketing approval internationally; failure to compete successfully against other drug companies; potential competition from other drug companies if we fail to obtain orphan drug designation or maintain orphan drug exclusivity for our products; our reliance on third parties to conduct our clinical trials and perform clinical development and the potential for those third parties to not perform satisfactorily; our reliance on third parties to manufacture our product candidates, which may delay, prevent or impair our development and commercialization efforts; protection of our proprietary technology; our patents being found invalid or unenforceable; potential lawsuits for infringement of third-party intellectual property; our ability to attract and retain key personnel; managing our growth could result in difficulties.

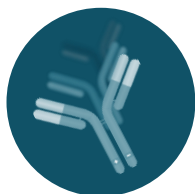
These and other important factors discussed under the caption “Risk Factors” in our Annual Report on Form 10-Q for the period ended March 31, 2024 filed on May 8, 2024 with the Securities and Exchange Commission, or SEC, and our other reports filed with the SEC, could cause actual results to differ materially from those indicated by the forward-looking statements made in this presentation. Any such forward-looking statements represent management's estimates as of the date of this presentation. While we may elect to update such forward-looking statements at some point in the future, we disclaim any obligation to do so, even if subsequent events cause our views to change.

Merus Overview



Oncology-focused Company Developing Multispecific Antibody Therapies

- Bispecific and trispecific cancer therapeutic candidates in the human IgG format
- Common light chain technology permits broad, high throughput discovery of promising Biclonics® and Triclonics® antibodies with potential for meaningful clinical activity in patients



Established Pipeline with Multiple Active Molecules in the Clinic

- The FDA has accepted a Biologics License Application (BLA) for priority review for zenocutuzumab (Zeno) in NRG1 fusion (NRG1+) non-small cell lung cancer (NSCLC) and pancreatic cancer (PDAC)
- Petosemtamab granted breakthrough therapy designation (BTD) and fast track designation (FTD) for previously treated recurrent or metastatic head and neck squamous cell cancer (HNSCC)²
- MCLA-129³ highly active in an evolving competitive landscape of EGFRm NSCLC development



Strong Cash Position into 2027¹

- Well capitalized into multiple planned clinical milestones
- Phase 3 trial of petosemtamab monotherapy in 2L+ HNSCC planned to start in mid-2024



Strategic Collaborations to Unlock Value from our Multiclonics® Platforms

- Multiple strategic collaborations and license agreements, researching Biclonics® and Triclonics® candidates for clinical development for potential future milestone and royalty opportunities

¹ See May 8, 2024 10-Q noting our belief that our cash, cash equivalents and marketable securities, will fund our operations into 2027

² For further details of the BLA acceptance, BTD and FTD see prior releases <https://ir.merus.nl/news-releases>

³ Cappuzzo et al, ESMO Asia 2023

Merus Potential Milestones 2024

PETOSEMTAMAB

in head and neck & other cancers

- ☐ **Initiate phase 3** monotherapy trial in 2L+ HNSCC (planned to start mid-2024)
- ☐ **Evaluate the safety and tolerability** of petosemtamab with pembrolizumab as first-line therapy for advanced HNSCC expressing PD-L1 (CPS \geq 1) (clinical update planned 2024 ASCO®)
- ☐ **Clinical data** update on monotherapy in 2L+ HNSCC, including updated AACR 2023 dataset and new dose evaluation cohorts (planned 2H24)
- ☐ **Initiate cohort** of petosemtamab with standard chemotherapy in 2L colorectal cancer (planned 2024)

ZENOCUTUZUMAB

in NRG1+ cancer & CRPC

- ☒ **BLA** accepted for priority review for NRG1+ NSCLC & PDAC

MCLA-129

in NSCLC & other cancers

- ☐ **Initiate cohort** of MCLA-129 in combination with chemotherapy in 2L+ EGFRm NSCLC (planned 2024)

Merus Clinical Pipeline

PROGRAM	BISPECIFIC TARGETS	INDICATION(S)	PRECLINICAL	PHASE 1	PHASE 1/2	STATUS
Petosemtamab (MCLA-158)	EGFR x LGR5	2L+ HNSCC				• Monotherapy phase 3 trial planned to start mid-2024
		1L HNSCC with a PD1 inhibitor				• Clinical update on 2L+ planned 2H24 (AACR 2023 follow-up and dose evaluation cohorts)
		2L CRC with standard chemotherapy				• Clinical update on 1L combination planned 2024 ASCO® • 2L CRC planned to start 2024
Zenocutuzumab (Zeno) (MCLA-128)	HER2 x HER3	NRG1+ cancer				• BLA accepted for priority review for NRG1+ NSCLC & PDAC
		Other cancers				
MCLA-129	EGFR x c-MET	Solid tumors				• Clinical update on MET exon14 skipping NSCLC planned 2024 ASCO®
		2L+ EGFRm NSCLC with chemotherapy				• Combination with chemotherapy planned to start 2024
MCLA-145	CD137 x PD-L1	Solid tumors with a PD1 inhibitor				• Clinical update planned 2024 ASCO®

Strategic Relationships

Expanding the pipeline potential through global collaborations



PROGRAM	BISPECIFIC TARGETS	INDICATION(S)	PRECLINICAL	PHASE 1	PHASE 1/2
MCLA-129 ²	EGFR x c-MET	Solid tumors	(China)		
		NSCLC with a 3 rd gen EGFR TKI	(China)		
ONO-4685 ³	PD-1 x CD3	Relapsed/Refractory T Cell Lymphoma; Psoriasis			
INCA32459 ^{3,4}	LAG3 x PD-1	Advanced malignancies			
INCA33890 ^{3,4}	TGFB α 2 x PD-1	Select advanced solid tumors			

¹ Collaboration on Merus' Triclonics® platform to research up to three T-cell engaging multi-specific antibody products in oncology

² If commercialized, Merus to receive potential milestones and royalties, if approved based on Betta's development in China; Merus retains full rest of world rights ex-China

³ If commercialized, Merus to receive potential milestones and royalties, if approved

⁴ Incyte February 13, 2024 10K

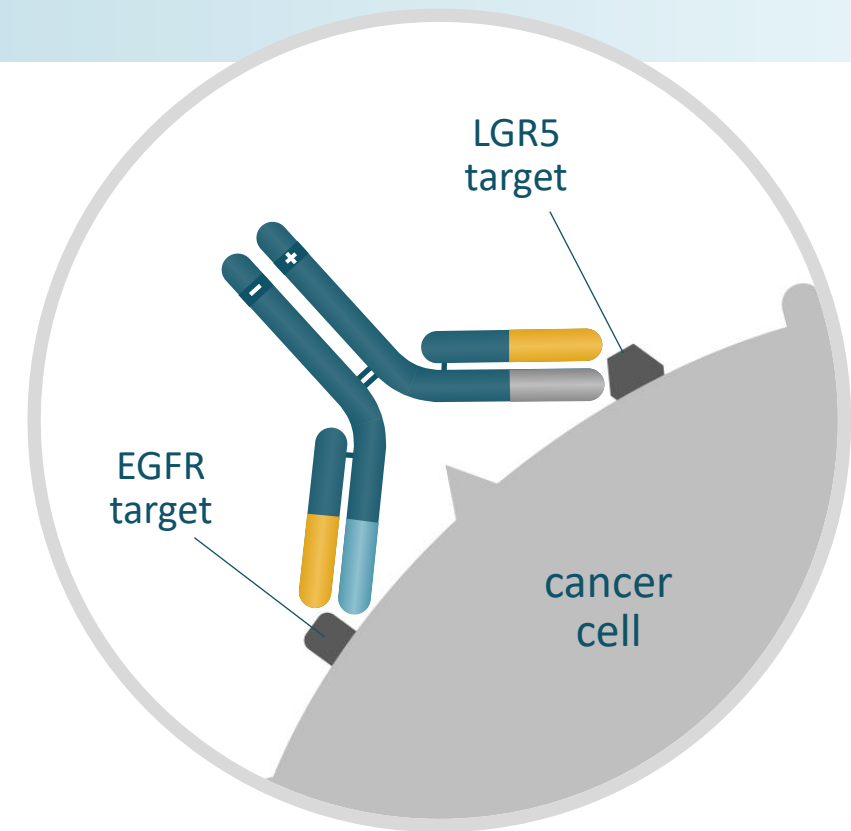
Potential first and best in class EGFR x LGR5 Biclonics® designed to potently block dysregulated signaling and growth in solid tumors¹

- Targets EGFR and LGR5, a cancer-stem cell antigen; modifications to enhance antibody-dependent cell-mediated cytotoxicity (ADCC)
- Granted BTI and FTD for recurrent or metastatic HNSCC³
- AACR 2023²: Meaningful single agent clinical activity observed in previously treated (2L+) HNSCC; clinical data update planned for 2H24
- Dose comparison of petosemtamab monotherapy 1100 vs 1500 mg in 2L+ HNSCC ongoing; initial clinical data planned 2H24
- Phase 3 trial in 2L+ HNSCC planned to start mid-2024
- Cohort ongoing in 1L HNSCC in combination with pembrolizumab; initial clinical data planned 2024 ASCO®
- Cohort in 2L CRC planned to start in 2024

Petosemtamab

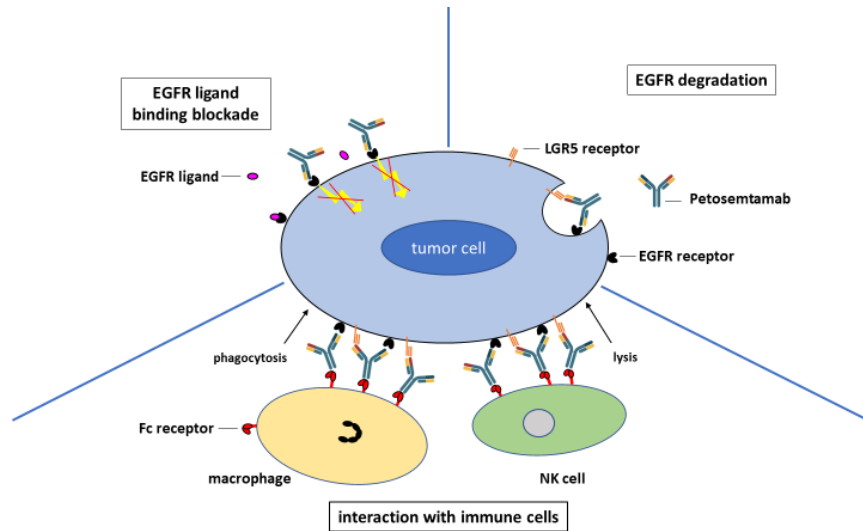
MCLA-158

EGFR x LGR5 bispecific



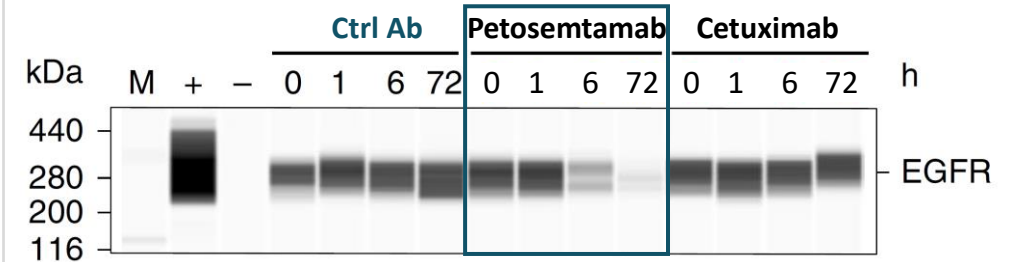
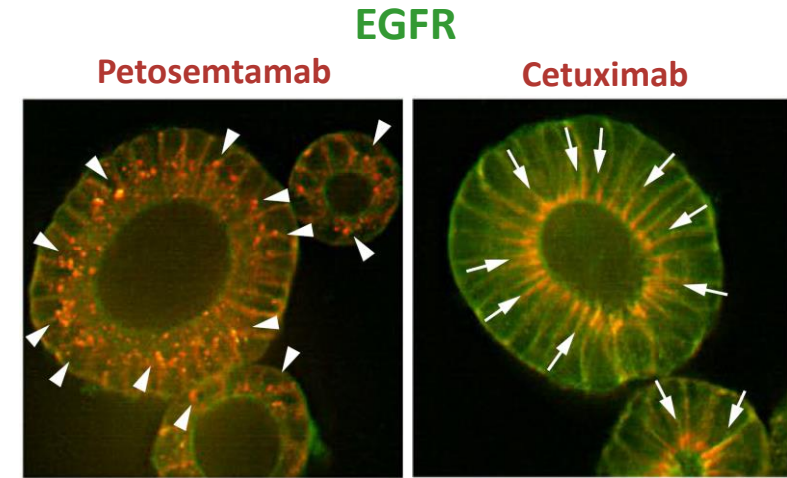
Petosemtamab — Unique Mechanism of Action

Mechanism of Action¹



- Blocks EGFR ligand and inhibits signaling
- Degrades EGFR (via LGR5/E3 ligase)
- Facilitates interaction with immune cells (ADCC and antibody-dependent cellular phagocytosis enhanced antibody)¹

Induces EGFR Internalization and Degradation¹



Phase 1/2 Trial

Cohort Expansion in HNSCC¹

Dose escalation is completed: No DLTs were reported; the dose of 1500 Cohort Expansion in HNSCC mg Q2W was selected based on safety, PK, and predicted receptor occupancy.²

Key HNSCC Inclusion Criteria

- Progression on or intolerant to anti-PD-(L)1 and platinum-based therapy in incurable recurrent or metastatic disease
- ECOG PS 0-1
- Measurable disease



Treatment Plan

- Petosemtamab 1500 mg IV, Q2W, 28-day cycle
- Until PD or toxicity
- Tumor assessment Q8W



Follow-Up

Survival follow-up for up to 18 months

Objectives and Analysis Population

- **Primary objective:** ORR using RECIST 1.1 per investigator
- **Secondary objectives:** ORR (per central review), DOR and PFS (per investigator and central review), OS, safety, PK, immunogenicity, and biomarkers
- **Efficacy evaluable population:** patients with ≥ 2 treatment cycles (≥ 8 weeks) with ≥ 1 post-baseline tumor assessment or discontinued early due to disease progression or death

Enrollment and Interim Analysis

Data cutoff date

01-Feb-2023

Enrollment

49 patients

Efficacy evaluable population

43 patients

6 patients excluded per protocol:

- 5 patients withdrew due to IRR on Day 1
- 1 patient with excl. criterion deviation

¹ Cohen, et al., *AACR 2023*

² Argiles et al. *J Clin Oncol.* 39(3_suppl):Abst 62, 2021

HNSCC Patient Population Demographics and Disease Features

Demographics and Disease Features	N=49
Age (years), median (range)	63 (31 - 77)
Male / female	38 (78%) / 11 (22%)
ECOG PS 0 / 1	14 (29%) / 35 (71%)
Squamous cell carcinoma histology	48 (98%) ¹
Tumor location	
▪ Oropharynx	17 (35%)
▪ Oral cavity	15 (31%)
▪ Larynx	8 (16%)
▪ Hypopharynx	4 (8%)
▪ Other	5 (10%) ²
Measurable disease	48 (98%)

¹ One patient had p16-negative epidermoid cancer with unknown origin

² Other: nasal cavity and paranasal sinuses, nasopharynx, supraglottis, vocal cord, unknown origin

Tumor Biomarkers	N=49
EGFR	
▪ H-score ³ , median (range) (n=35)	170 (0 - 300)
PD-L1	
▪ Positive (CPS ³ ≥1) / negative	20 (41%) / 9 (18%)
▪ Unknown ⁴	20 (41%)
p16 status: oropharynx	N=17
▪ p16 positive / negative ³	6 (35%) / 3 (18%)
▪ Unknown ⁴	8 (47%)

³ By immunohistochemistry

⁴ Unknown: not yet available or analyzed, not collected, or inadequate quality

HNSCC Patient Population

Prior Therapy, Disposition, and Exposure

Prior Cancer Therapy	N=49
No. lines prior systemic therapy, median (range)	2 (1 - 4)
▪ PD-(L)1 inhibitor	47 (96%)
▪ Chemotherapy	46 (94%)
▪ Platinum-based therapy	45 (92%)
▪ Cetuximab	2 (4%)
Last therapy prior to petosemtamab	
▪ Immunotherapy	27 (55%)
▪ Immunotherapy + chemotherapy	14 (29%)
▪ Chemotherapy	7 (14%)
▪ Investigational	1 (2%)

Patient Disposition	N=49
Petosemtamab treatment	
Treatment continuing	12 (25%)
Treatment discontinuation	37 (75%)
▪ Disease progression	31 (63%)
▪ Related adverse event ¹	4 (8%)
▪ Other ²	2 (4%)
Petosemtamab exposure duration, months	
▪ Median (range)	4.1 (0.5 - 20.8)

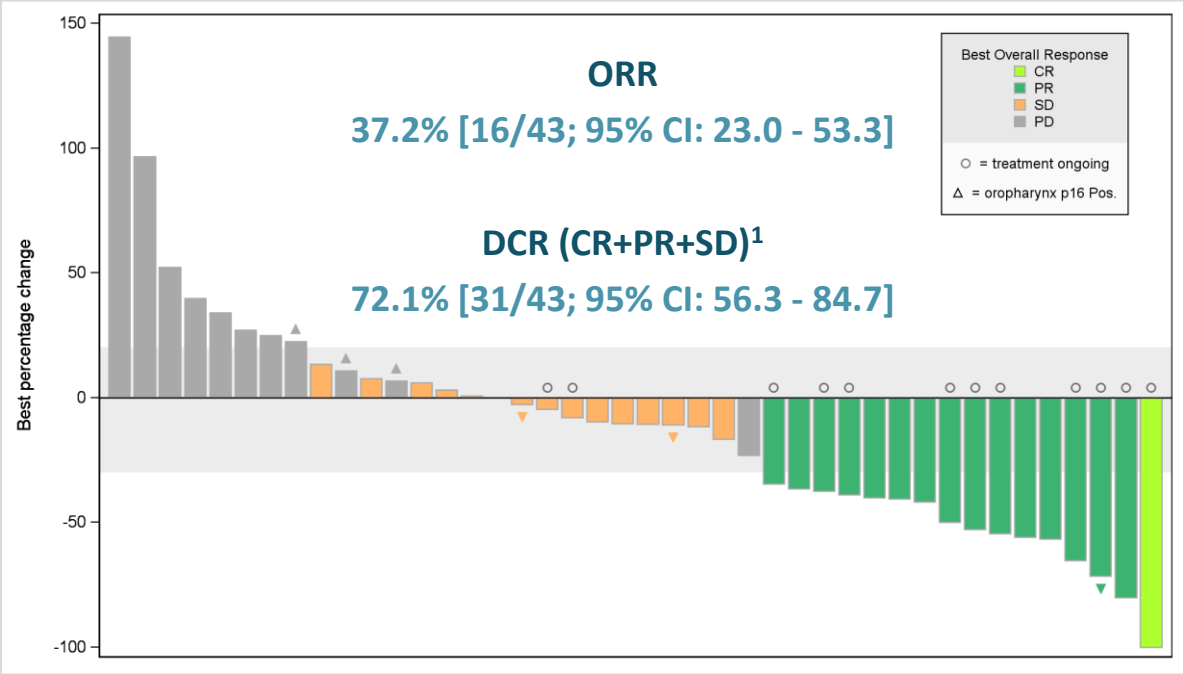
¹ Grade 3-4 IRR

² End of study reason was physician decision following IRR on Day 1 for one patient and one patient died due to underlying disease

Robust Data Supporting Clinical Efficacy in HNSCC

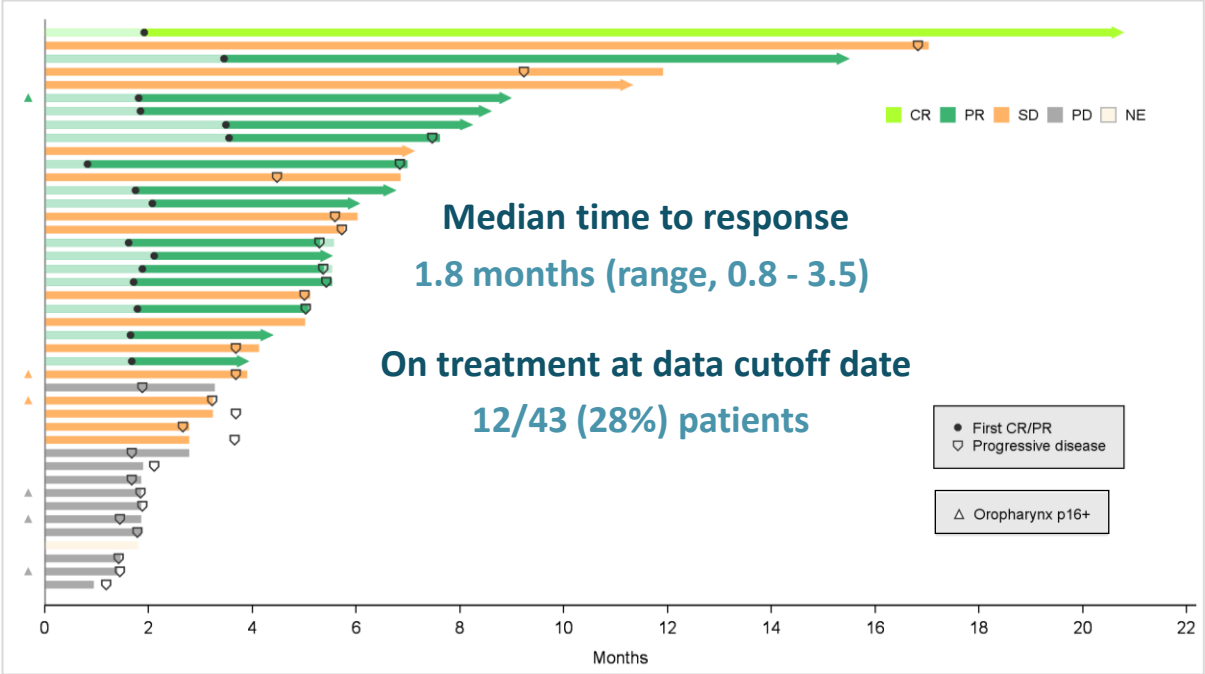
Overall response rate (ORR) 37%

Best Percent Change in Sum of Target Lesions From Baseline (N=43)



One patient with best overall response of not evaluable not included due to no post-baseline tumor assessment
 p16 status was available in 9 of the 15 oropharynx patients (6 positive and 3 negative) in the efficacy evaluable population

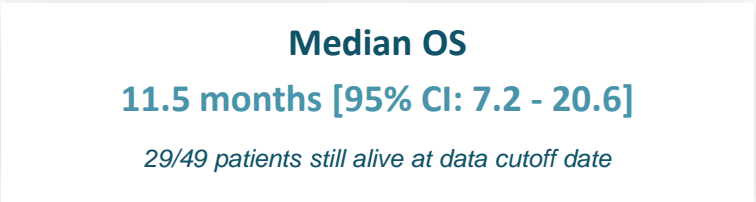
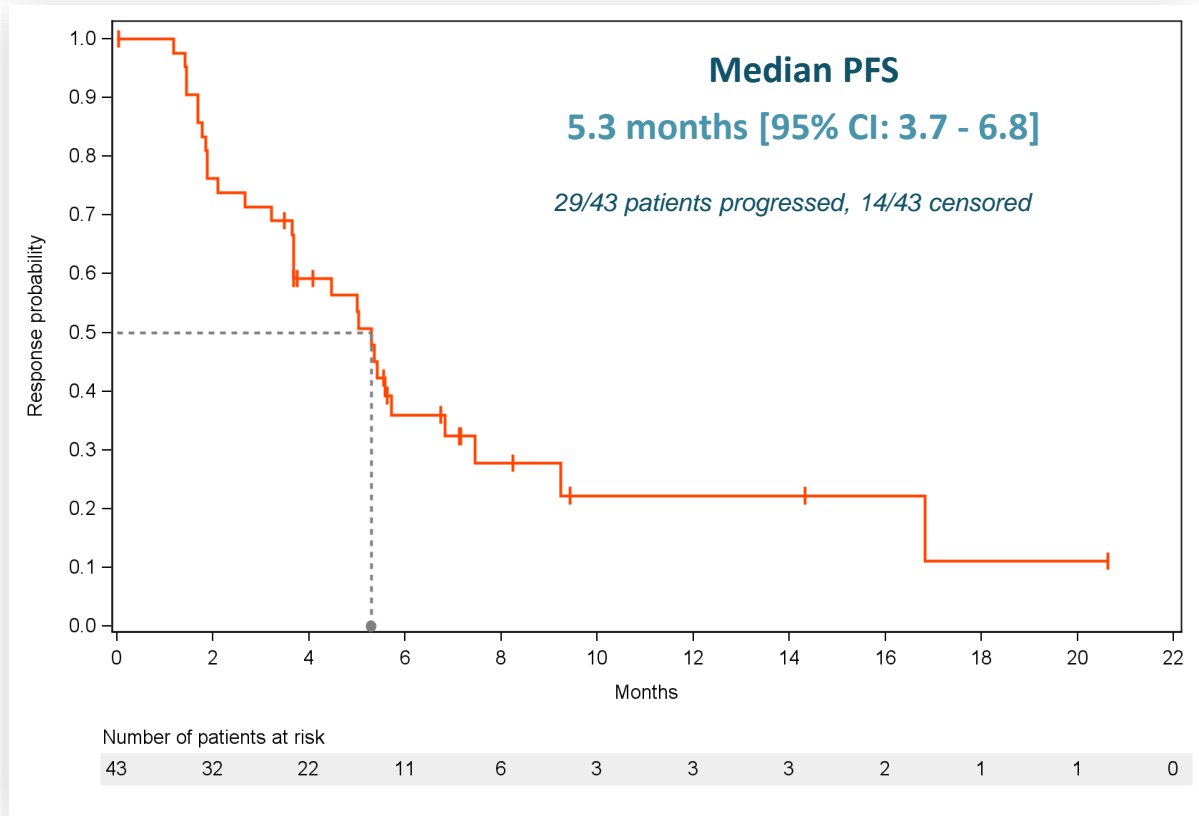
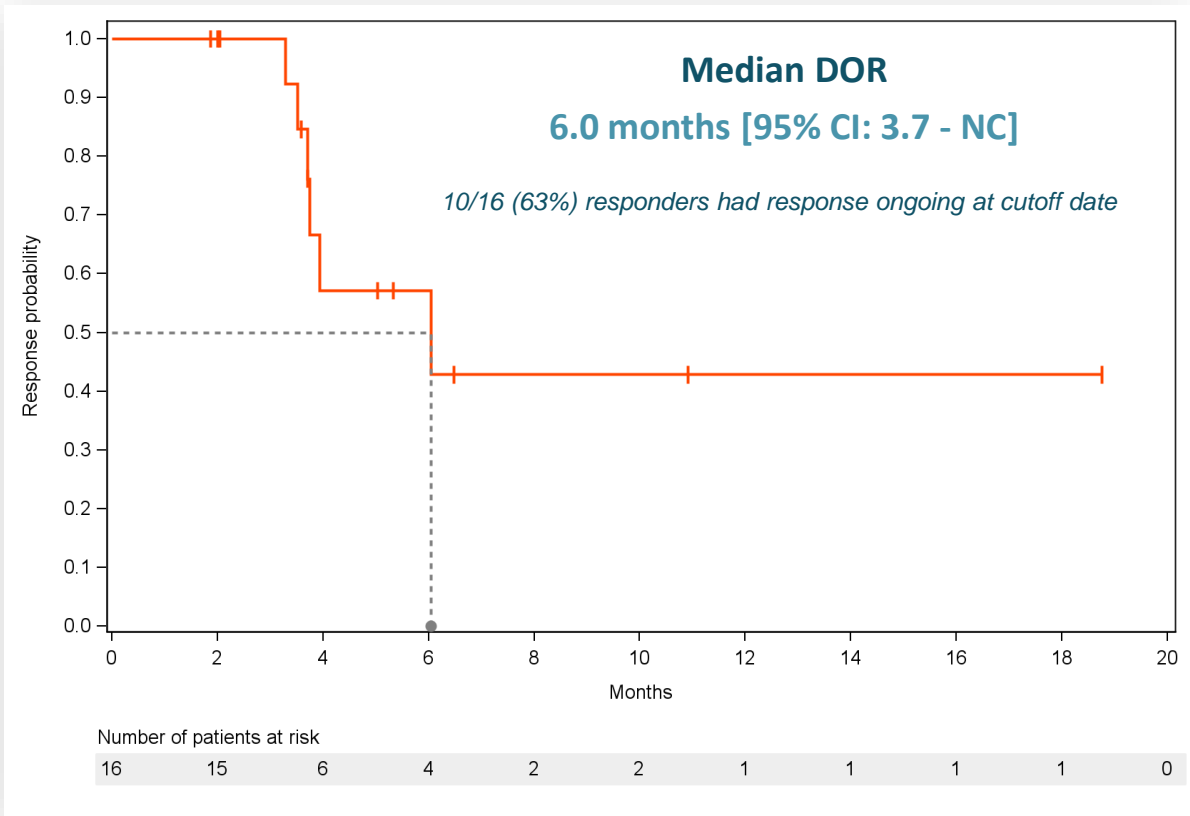
Time to Response and Duration of Therapy



Arrows indicate treatment is ongoing at data cutoff date
 p16 status was available in 9 of the 15 oropharynx patients (6 positive and 3 negative) in the efficacy evaluable population

Petosemtamab Antitumor Activity in HNSCC

DOR, PFS (RECIST 1.1, per Investigator), and OS¹



Safety Profile of Petosemtamab 1500 mg Q2W

Overall Safety

- **Well tolerated** and manageable safety profile based on 80 patients treated at the recommended dose across dose escalation and expansion cohorts of the study
- Gastrointestinal and skin toxicities were mostly mild to moderate
- No treatment-related grade 5 adverse events (AEs)

IRRs (Composite Term)

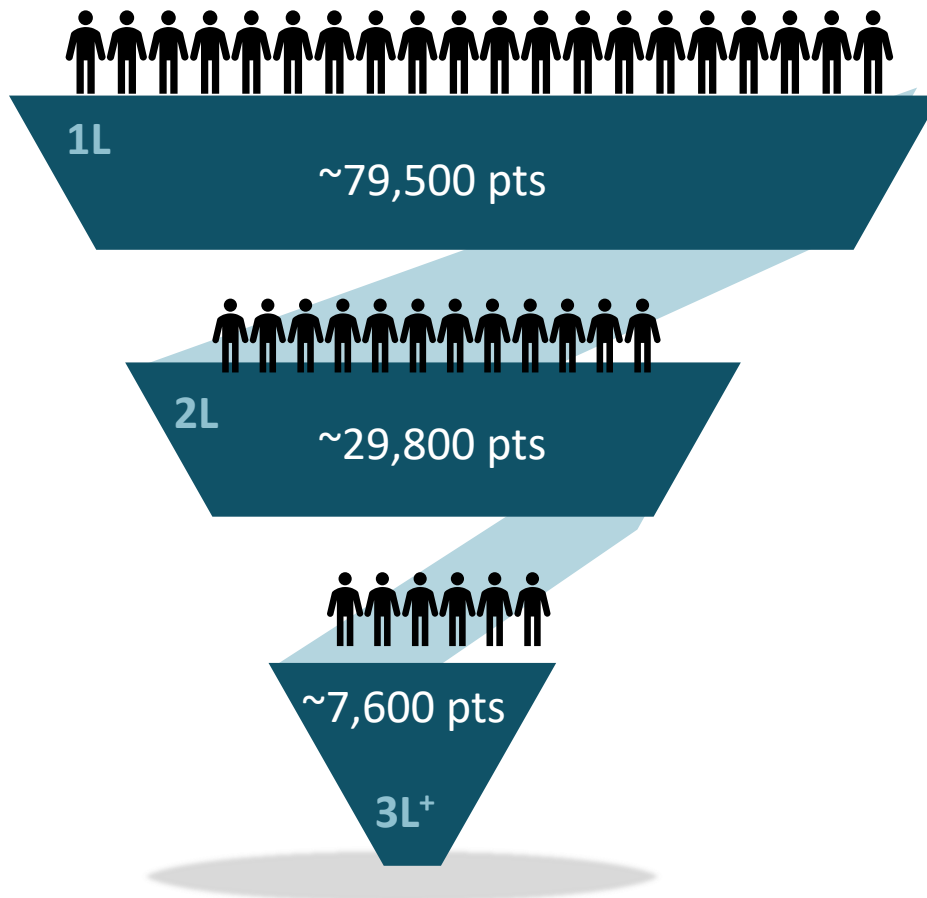
- 74% grade 1-4, 21% grade 3-4
- Mainly occurred during first infusion
- 6 of 80 patients discontinued on Day 1 due to a grade 3-4 infusion related reaction (IRR)
- For all patients rechallenged after an IRR, rechallenge was successful
- IRRs were manageable with prophylaxis/ prolonged infusion (necessary on Day 1 only)

Preferred Term	Irrespective of Causality (>10%)		Suspected Related	
	All Grades	Grades 3-5 ¹	All Grades	Grades 3-5
N patients with ≥1 AE	80 (100%)	42 (53%)	80 (100%)	26 (33%)
Rash	29 (36%)	0	29 (36%)	0
Dyspnea	22 (28%)	3 (4%)	13 (16%)	3 (4%)
Hypotension	21 (26%)	5 (6%)	20 (25%)	5 (6%)
Nausea	21 (26%)	1 (1%)	14 (18%)	0
Dermatitis acneiform	20 (25%)	1 (1%)	20 (25%)	1 (1%)
Infusion related reaction	17 (21%)	10 (13%)	16 (20%)	10 (13%)
Blood Mg decreased	16 (20%)	4 (5%)	13 (16%)	3 (4%)
Diarrhoea	16 (20%)	0	7 (9%)	0
Erythema	15 (19%)	0	15 (19%)	0
Fatigue	13 (16%)	1 (1%)	5 (6%)	0
Asthenia	12 (15%)	2 (3%)	5 (6%)	1 (1%)
Pruritus	11 (14%)	0	11 (14%)	0
Constipation	11 (14%)	0	2 (3%)	0
Skin fissures	11 (14%)	0	11 (14%)	0
Decreased appetite	9 (11%)	2 (3%)	0	0
Dry skin	9 (11%)	0	8 (10%)	0
Flushing	9 (11%)	2 (3%)	8 (10%)	2 (3%)
Headache	9 (11%)	0	7 (9%)	0
Hypoxia	9 (11%)	2 (3%)	7 (9%)	1 (1%)
Pyrexia	9 (11%)	0	3 (4%)	0
Stomatitis	9 (11%)	0	8 (10%)	0

Head & Neck Cancer

Petosemtamab has the potential to become a new standard of care

Est G8 Patients; Stage IVC¹ Head & Neck Cancer



High Prevalence, Mortality & Unmet Need

- 6th most common cancer worldwide (WW) in 2020 with ~930,000 new cases and 467,000 deaths²
- Incidence rising; anticipated to increase by 30% to >1 million new cases annually by 2030³

Treatment Paradigm Trends

- **1L:** Pembrolizumab-based regimens are preferred
- **2L:** Fragmented market with cetuximab-based regimens often utilized & some use of pembrolizumab or nivolumab
- **3L:** Highly fragmented treatment paradigm

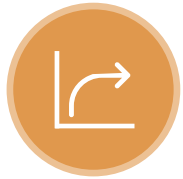
Opportunity in Head & Neck Cancer

- WW Market expected to exceed \$4.7B in 2028⁴
- Limited treatment options after platinum-based chemotherapy + pembrolizumab
- Opportunity for chemo-free regimen 1L in combo with pembrolizumab

¹ Data: Kantar CancerMPact Epidemiology Pulled July 2023. Estimates rounded. Statistics from CancerMPact® Patient Metrics. G8 Includes: US,FR,DE,IT,SP,UK,JP, CN (Urban only); ² Sung et al. CA Cancer J Clin, 71:209-49, 2021; ³ Johnson, D.E., Burtneess, B., Leemans, C.R. et al. Head and neck squamous cell carcinoma. Nat Rev Dis Primers 6, 92 (2020); ⁴ Evaluate Pharma

Petosemtamab

Potential first and best in class bispecific targeting EGFR and LGR5



Meaningful Clinical Activity
observed in previously treated
HNSCC¹

- 37.2% ORR (95% CI: 23.0-53.3)
- 6 months median DOR (95% CI: 3.7-NC)
- Antitumor activity independent of biomarkers



Generally well tolerated & manageable safety profile¹

- Gastrointestinal and skin toxicities were mostly mild to moderate
- Most frequent related AEs were infusion related reactions (IRRs)
- IRRs were manageable with prophylaxis/ prolonged infusion (necessary on Day 1 only)



Potential new standard of care
for patients with HNSCC

- Limited treatment options after pembrolizumab and platinum-based chemotherapy
- Significant market opportunity

Powerful single agent efficacy

2L+ HNSCC phase 3 trial planned to start mid-2024

1L HNSCC evaluation of petosemtamab with pembrolizumab ongoing; clinical update planned 2024 ASCO®

Potential first in class and best in class for NRG1+ cancer

Zenocutuzumab

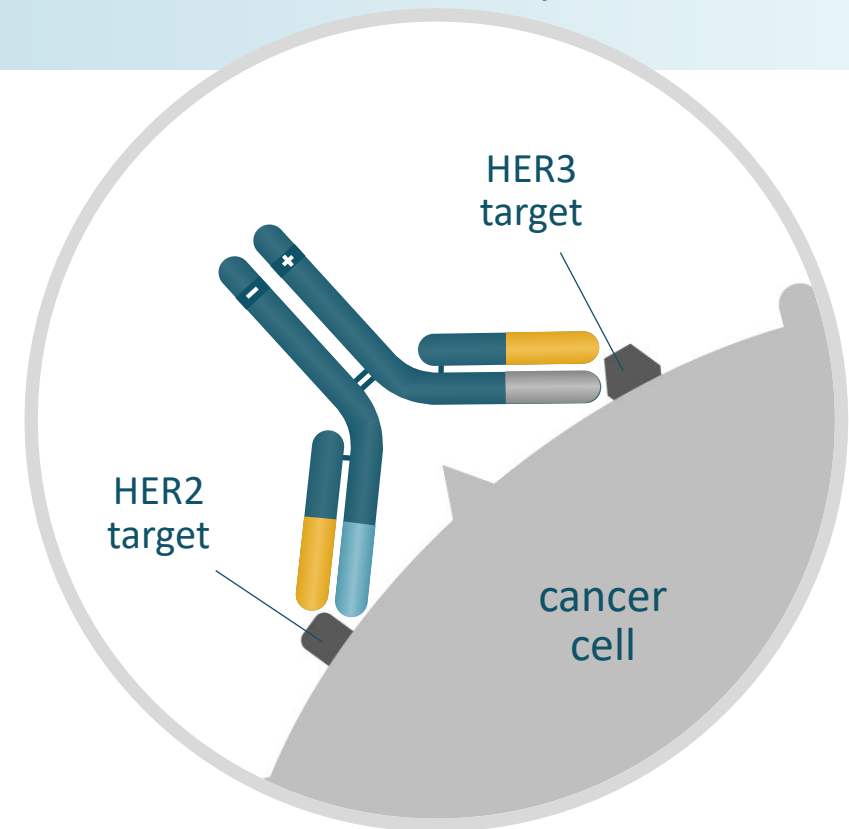
MCLA-128 or Zeno
HER2 x HER3 bispecific

NRG1 fusions

- Translocations of the Neuregulin-1 (NRG1) gene, also called Heregulin, the ligand for the HER3 receptor. Rare events in solid tumors reported to typically occur in the absence of other cancer driver mutations¹
- Reported as associated with poor prognosis¹, lower response rates to standard therapy², and shorter overall survival in lung cancer^{1,3}

Zeno

- Biclonics® antibody binds to HER2 and blocks HER3; 100-fold more potent *in vitro* than anti-HER3 mAbs tested⁴
- Granted orphan designation for PDAC, BTD for both NRG1+ NSCLC and NRG1+ PDAC; FTD for NRG1+ cancer⁵
- BLA accepted for priority review for NRG1+ NSCLC & PDAC



¹ Chang et al., Clin Cancer Research 2021,

² Drilon et al., J Clin Oncol 2021,

³ Shin et al., Oncotarget 2016,

⁴ Geuijen, et al., Cancer Cell 2018,

⁵ For details and complete description of designations see prior releases <https://ir.merus.nl/news-releases>

Schema Global, Multicenter Zenocutuzumab NRG1+ Cancer Development Program

Ongoing phase 1/2 global, open-label clinical trial (eNRGy) + Early Access Program (EAP)

NSCLC, PDAC, and other solid tumors

Inclusion Criteria

- Locally advanced unresectable or metastatic solid tumor
- NRG1+ cancer
- Previously treated with or unable to receive standard therapy
- ≥ 18 years of age
- ECOG PS ≤ 2



Treatment Plan

- Zenocutuzumab 750 mg IV Q2W until PD
- Tumor assessment Q8W



Follow-up

Survival follow-up: up to 2 years

Endpoints and Population

Primary endpoint includes

Overall response rate (ORR) using RECIST v1.1 per investigator assessment

Secondary endpoints includes

Duration of response (DOR), ORR per central review, safety

Primary analysis population

≥ 1 dose of zenocutuzumab, opportunity for ≥ 24 weeks follow-up at the data cutoff date, and met criteria for primary efficacy population

Enrollment and Analysis

Data cutoff date
July 31, 2023

Enrollment
105 patients with NRG1+ NSCLC

NSCLC primary analysis population
79 patients

87 patients with ≥ 24 weeks follow-up; of them, 8 patients were excluded

- 2 patients discontinued early for reasons not related to PD
- 2 patients with prior anti-HER3 inhibitor
- 2 patients with other genetic driver mutation
- 1 patient with concomitant anti-cancer medication use
- 1 patient with baseline scan > 5 weeks before first dose

Enrollment and Analysis

Data cutoff date
July 31, 2023

Enrollment
44 patients with NRG1+ PDAC

PDAC primary analysis population
33 patients

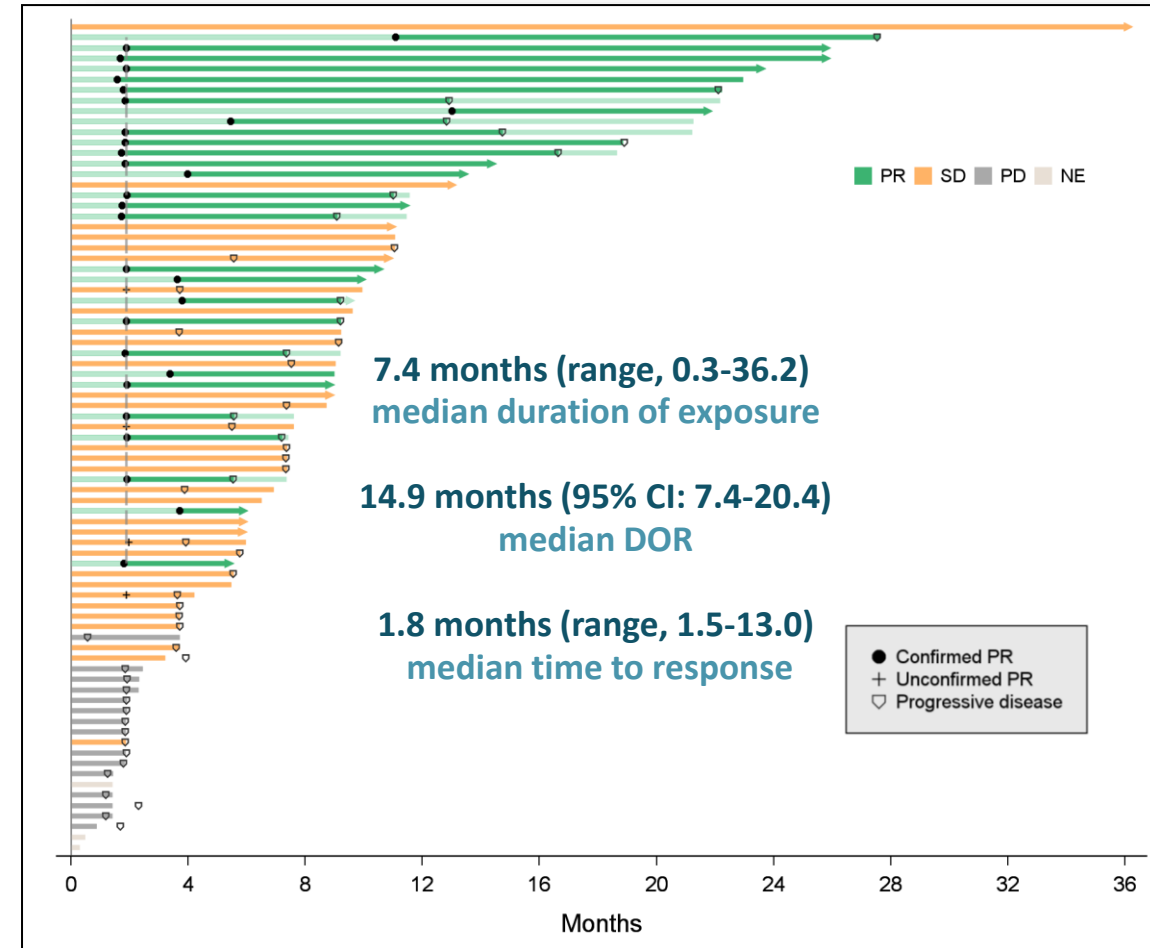
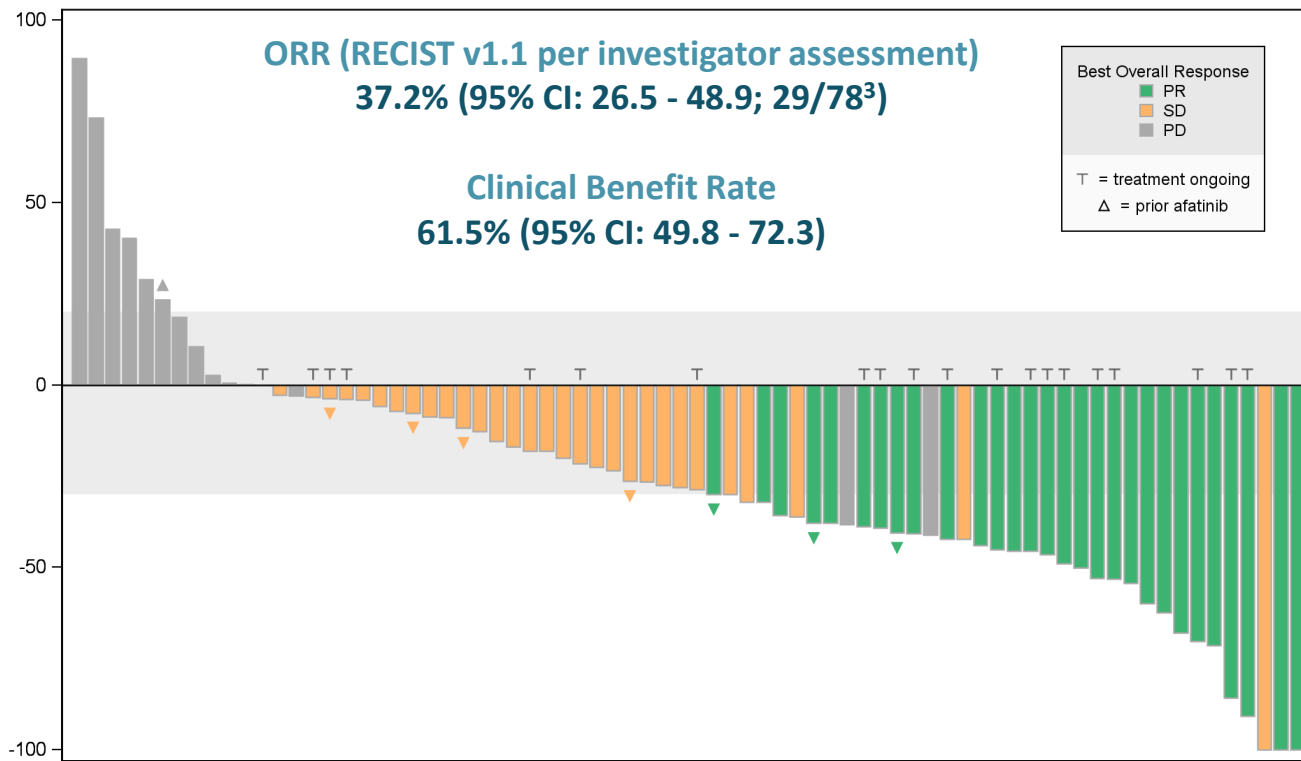
38 patients received first treatment allowing for ≥ 24 weeks follow-up; of them, 5 patients were excluded

- 2 patients with other genetic driver mutations
- 1 patient with prior anti-HER3 therapy
- 1 patient with a nonfunctional NRG1 fusion
- 1 patient with a baseline scan > 5 weeks before the first dose

Zeno Activity in NRG1+ NSCLC¹

ORR 37%; Median DOR 15 months

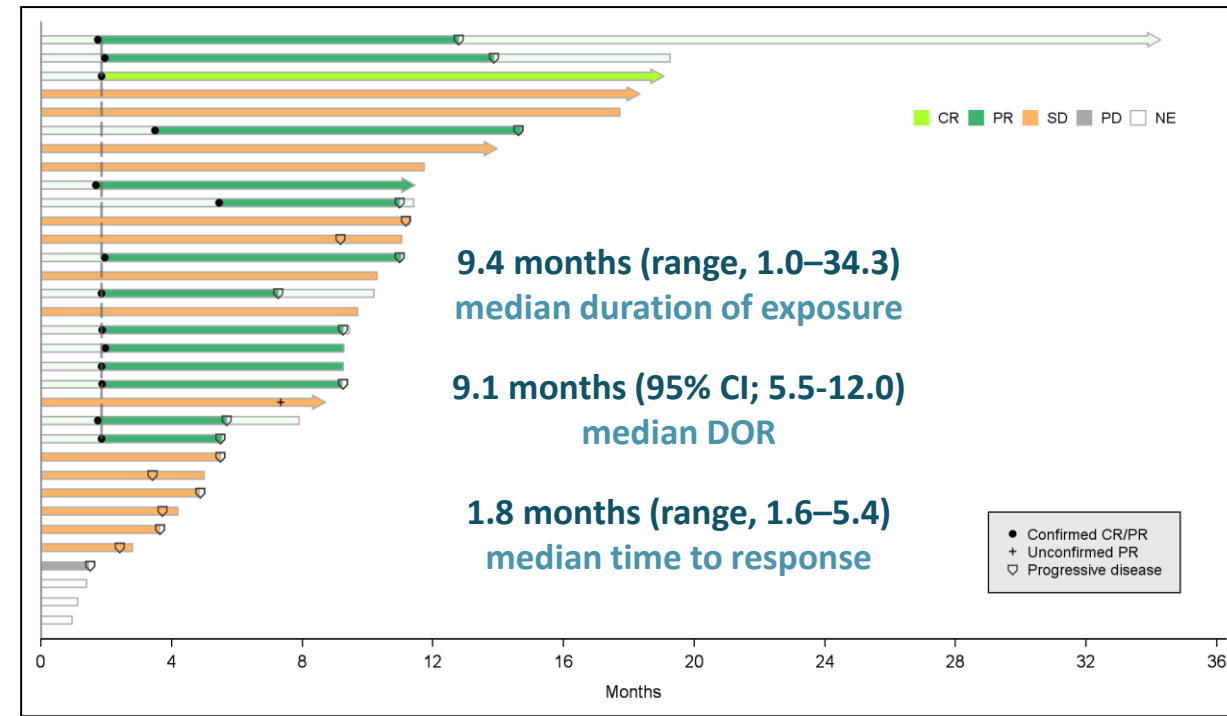
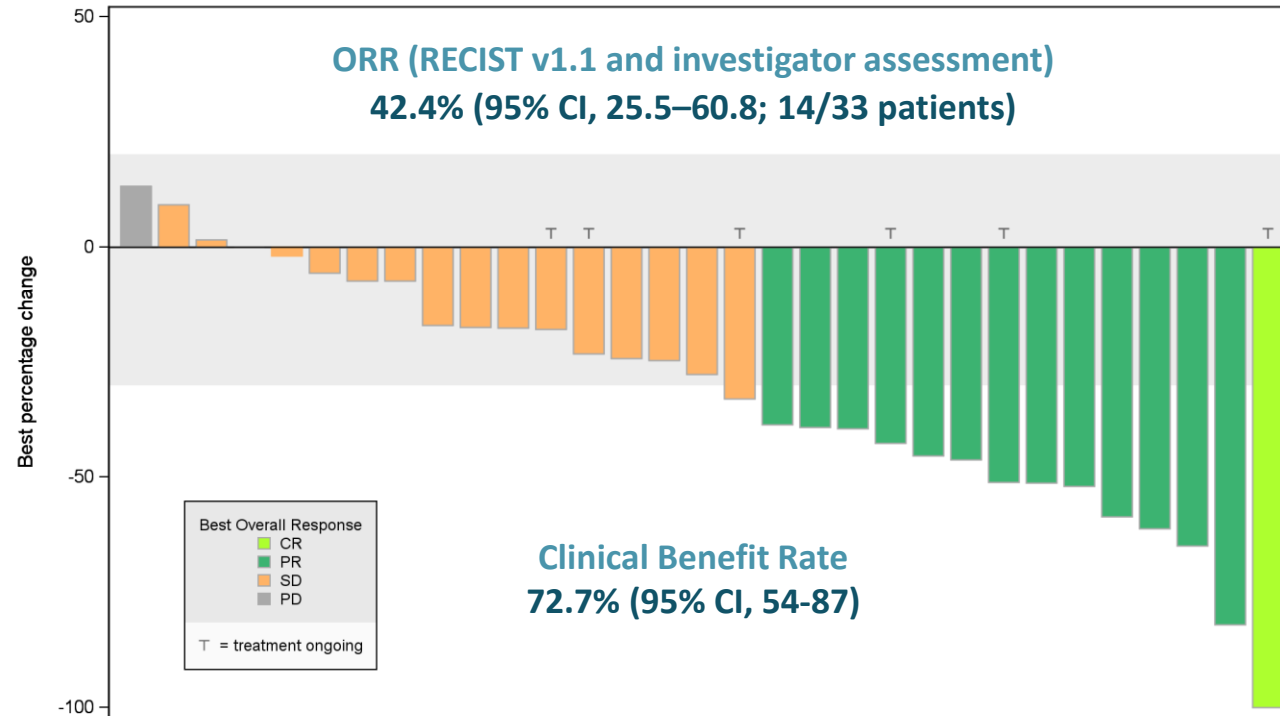
Best Percent Change in Target Lesions from Baseline²



Zeno Activity in NRG1+ PDAC¹

ORR 42%; Median DOR 9 months

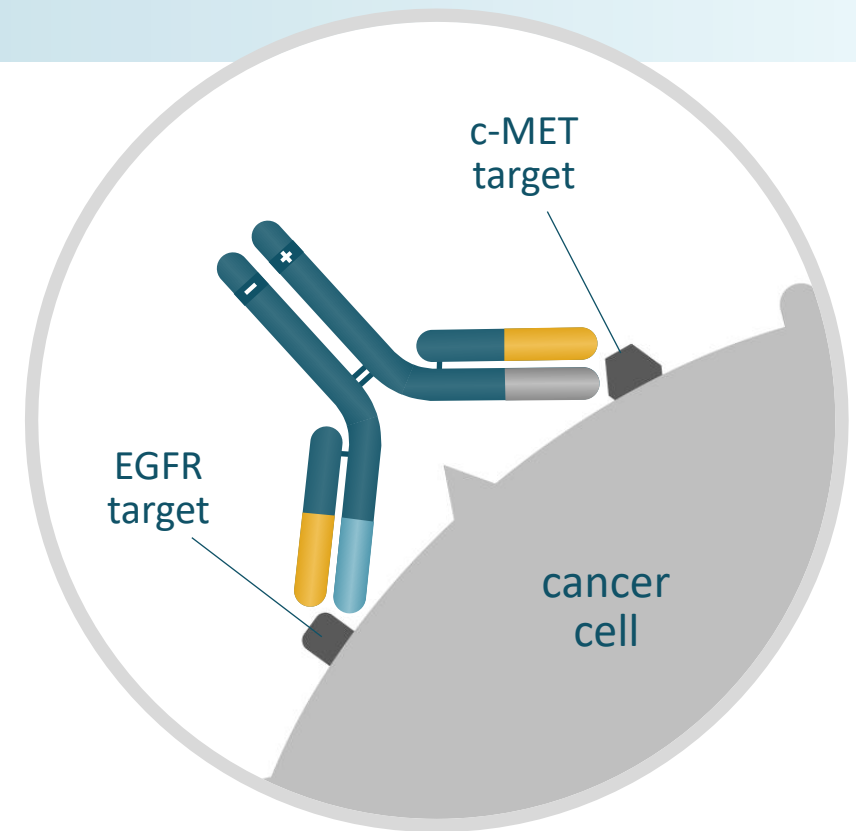
Best Percent Change in Sum of Target Lesions Diameter from Baseline²



***Designed to target lung cancer
and other solid tumors
expressing EGFR and c-MET***

MCLA-129
EGFR x c-MET Bispecific

- Targets both EGFR and c-MET on cancer cells
- Modifications to enhance ADCC, observed preclinically to have greater potency than amivantamab in certain high-affinity (FcγRIII 158V) or low-affinity (FcγRIII 158F) variant effector cells¹
- Significant potential opportunity in lung cancer
- Clinical data update from three expansion cohorts published at ESMO Asia 2023; evaluation continues in MET exon14 skipping NSCLC with initial clinical data planned 2024 ASCO®
- MCLA-129 in combination with chemotherapy in 2L+ EGFRm NSCLC (planned to start 2024)

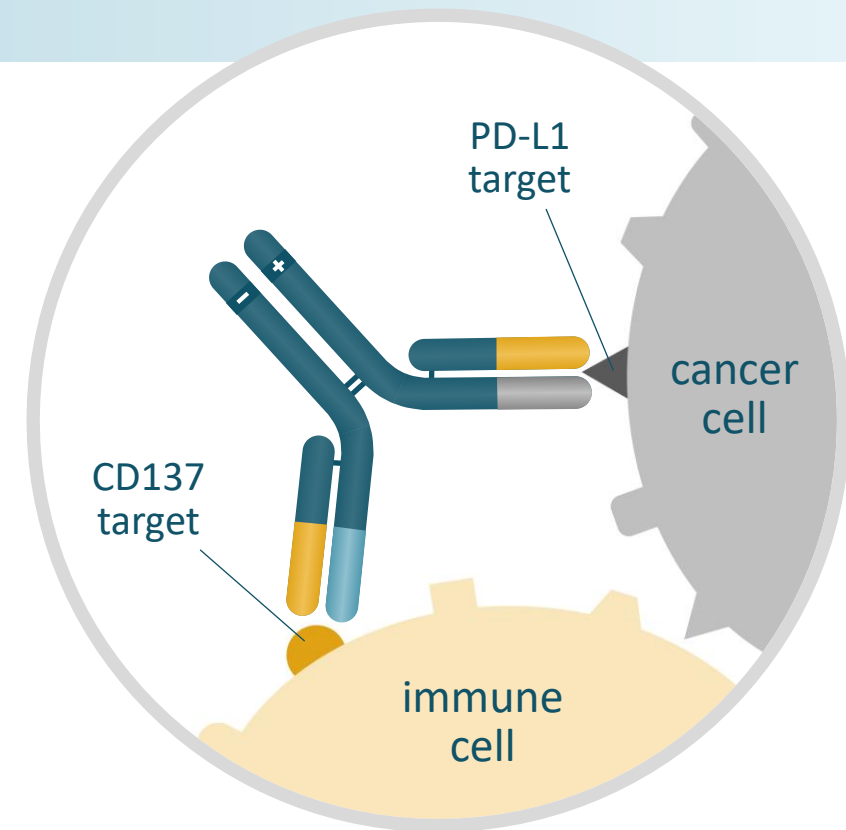


Designed to recruit and activate tumor infiltrating T-cells

- Binds to PD-L1 on tumor cells and CD137 (4-1BB), a potent activator of tumor infiltrating T-cells, on activated T-cells¹
- Targets PD-L1 positive cells in the tumor and blocks the PD-1/PD-L1 inhibitory signal²
- Potential in a variety of solid tumors
- Evaluation of MCLA-145 continues in combination with a PD1 inhibitor; initial clinical data planned 2024 ASCO®

MCLA-145

PD-L1 x CD137 bispecific



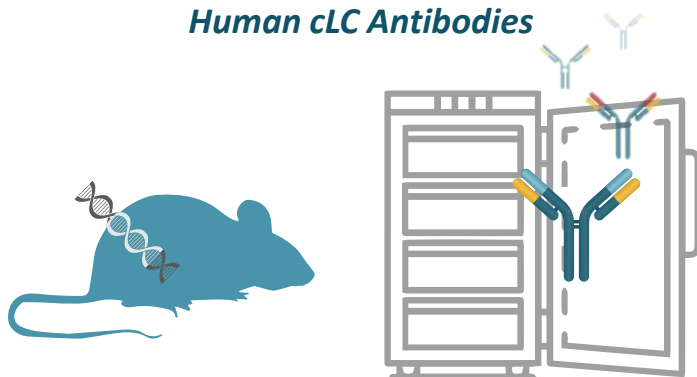
¹ Prenen, et al., *ESMO IO 2021*

² Geuijen, et al., *AACR 2019*

Our Platform – Unique Capabilities in Multispecific Antibodies

Generate

Human cLC Antibodies



Patented Mouse Technology

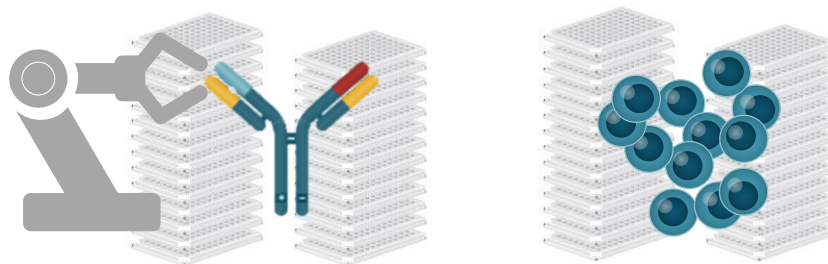
“Merus Mouse” (MeMo®) to generate diverse, high quality common light chain (cLC) antibody panels

Established Inventory

Diverse panels of cLC antibodies against numerous targets

Evaluate

Thousands of Multispecific Abs



Multiclonics® Libraries

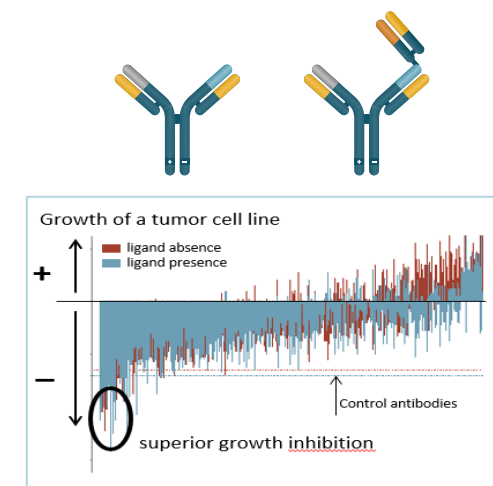
Robotics generate thousands of Multiclonics® by combining cLC antibody panels and our patented “DEKK” IgG heterodimerization technology

Unbiased Screening

In-format, unbiased functional screening in relevant molecular and cellular assays

Identify

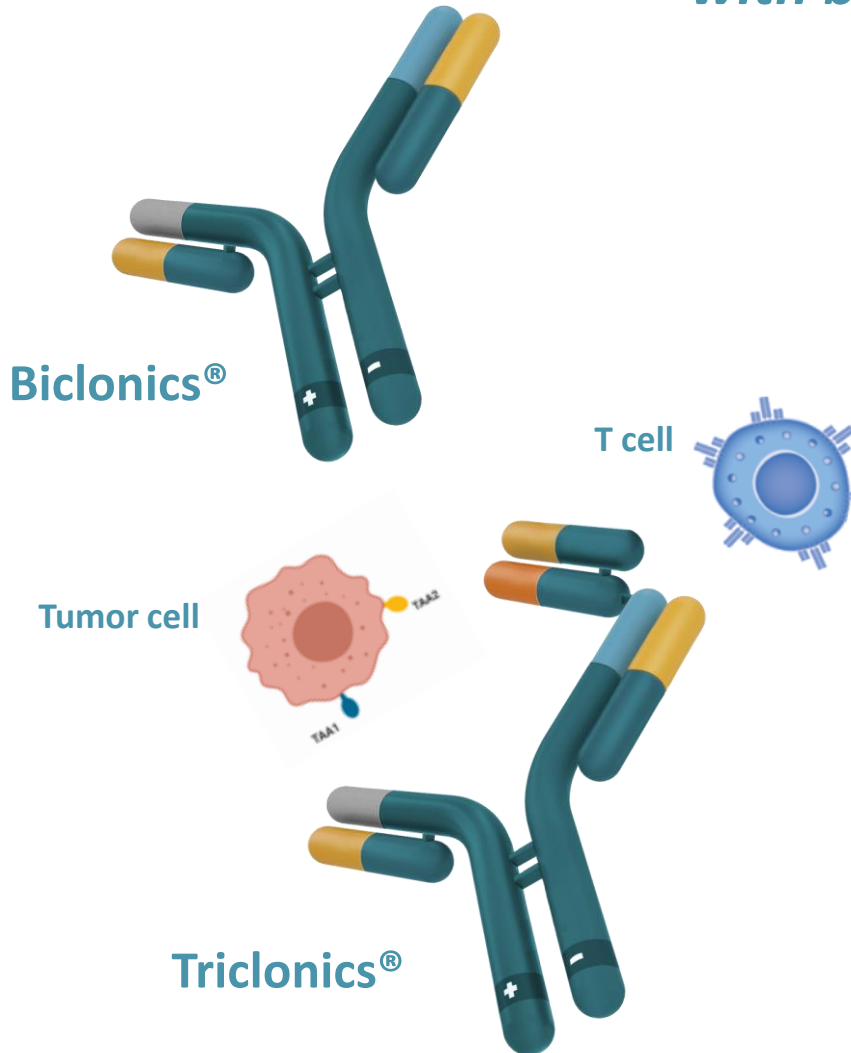
Best Candidates



Develop unique, best candidates from thousands of different Biclonics® and Triclonics® with potential to achieve meaningful clinical activity in patients

Merus Multiclonics®

*Bispecific and Trispecific therapeutic candidates for cancer
with broad application for human disease*



Large-scale screening of Biclonics® and Triclonics®

- To select the best molecules from up to 1,000s of candidates

Fully human IgG structure

- Ease of manufacturing
- Low immunogenicity risk
- Predictable in vivo behavior
- Durable, consistent half life
- Potential for ADCC enhancement and Fc silencing

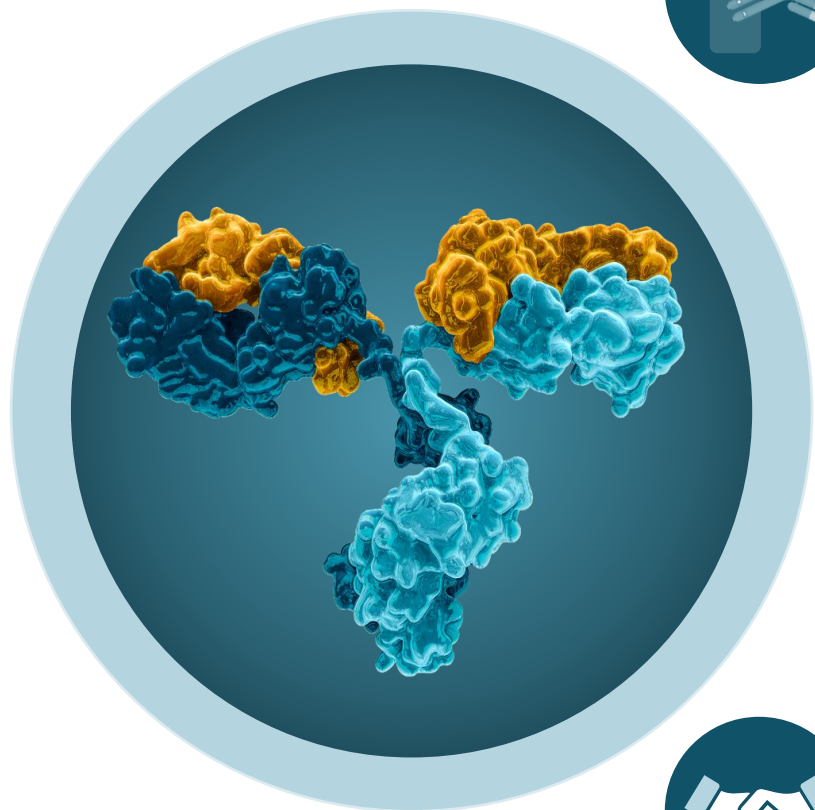
Novel, innovative trispecific Triclonics® format

- Allows for three specificities without the need to engineer each individual Fab
- Significant tumor cell binding designed to occur when both tumor-associated antigen (TAA)1 and TAA2 are present, or as a bi-paratopic
- T cell activation designed to occur when the molecule binds at sufficient levels to the tumor cells

Robust IP portfolio of patents covering the platform technology, including

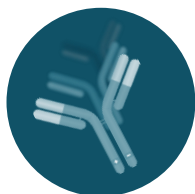
- Common light chain antibody generation and screening
- Dimerization by charge engineering

Merus Overview



Oncology-focused Company Developing Multispecific Antibody Therapies

- Bispecific and trispecific cancer therapeutic candidates in the human IgG format
- Common light chain technology permits broad, high throughput discovery of promising Biclonics® and Triclonics® antibodies with potential for meaningful clinical activity in patients



Established Pipeline with Multiple Active Molecules in the Clinic

- The FDA has accepted a Biologics License Application (BLA) for priority review for zenocutuzumab (Zeno) in NRG1 fusion (NRG1+) non-small cell lung cancer (NSCLC) and pancreatic cancer (PDAC)
- Petosemtamab granted breakthrough therapy designation (BTD) and fast track designation (FTD) for previously treated recurrent or metastatic head and neck squamous cell cancer (HNSCC)²
- MCLA-129³ highly active in an evolving competitive landscape of EGFRm NSCLC development



Strong Cash Position into 2027¹

- Well capitalized into multiple planned clinical milestones
- Phase 3 trial of petosemtamab monotherapy in 2L+ HNSCC planned to start in mid-2024



Strategic Collaborations to Unlock Value from our Multiclonics® Platforms

- Multiple strategic collaborations and license agreements, researching Biclonics® and Triclonics® candidates for clinical development for potential future milestone and royalty opportunities

¹ See May 8, 2024 10-Q noting our belief that our cash, cash equivalents and marketable securities, will fund our operations into 2027

² For further details of the BLA acceptance, BTD and FTD see prior releases <https://ir.merus.nl/news-releases>

³ Cappuzzo et al, ESMO Asia 2023

Merus *closing in on cancer*

