

# **Corporate Presentation**

February 2022

## **Forward Looking Statements**

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## Now is the Time for a Breakthrough in Cell Therapy

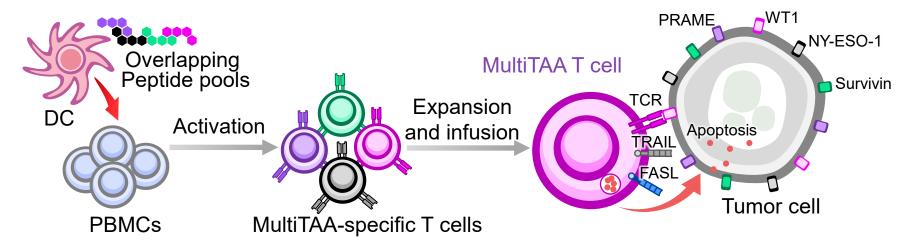
CAR-T, TCR and NK therapies have made headway in treating cancer, but data underscores the many hazards and limitations

| Clinical Impact                              | <ul> <li>Limited durability of response</li> <li>Limitations in solid tumors</li> </ul>   |
|--|---|
| Limitations of Single<br>Antigen Targeting   | <ul> <li>Treatment limited to targeted antigen</li> <li>High relapse rate due to antigen-negative escape</li> <li>Unproven ability beyond B-cell tumors</li> </ul>  |
| Clinical Safety<br>Concerns                  | <ul> <li>Cytokine Release Syndrome (CRS) is not only common but potentially required for<br/>CAR-T efficacy</li> <li>Neurotoxicity has caused program ending fatalities and is still not well understood</li> </ul> |
| Product Safety<br>Concerns                   | <ul> <li>Retroviral, Lentiviral, Transposon (integrated genes) potential of insertional<br/>mutagenesis</li> </ul>  |
| High Cost and<br>Manufacturing<br>Complexity | <ul> <li>High cost of genetic modification and selection</li> <li>Requirement for hospitalization and use of tocilizumab for treatment</li> </ul>   |



## Marker – Non-engineered, Multi Tumor Associated Antigen T cells

Marker has strong clinical data and potentially addresses limitations of other cell therapies



- Platform technology developed at Baylor College of Medicine : T cell therapy product which targets multiple antigens (4-5 TAAs), requires no genetic modification of cells and generates epitope spreading
- Tested in over 150 patients across 7 indications in Ph I/II trials at Baylor demonstrating efficacy with no evidence of CRS, neurotoxicity or DLTs
- Generated proof of concept human clinical data in AML, lymphoma and pancreatic cancer
- Starting the first company-sponsored Phase 2 study in AML with data expected in 2022
- Marker has implemented significant process improvements of the Baylor process for Ph II AML study



## **Marker Therapeutics Management Team**

Peter L. Hoang President & Chief Executive Officer

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**Gerald Garrett** Vice President, Clinical Operations

Tsvetelina P. Hoang, Ph.D. Vice President, Research & Development

> Juan Vera, M.D. **Chief Development Officer**

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James P. Allison, Ph.D. Chair, Department of Immunology The University of Texas MD Anderson Cancer Center





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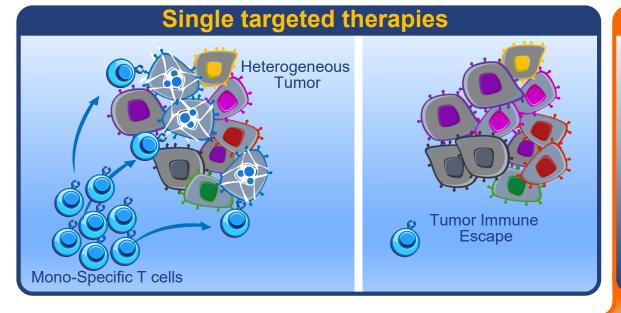
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M.D., Ph.D. Genitourinary Medical Oncology The University of Texas MD Anderson Cancer Center

# About MultiTAA

## **Unique Benefits of MultiTAA T Cell Therapy**



#### Multi-Tumor Specific T cells

#### Marker multi targeted therapies

Targeting Multiple Antigens for Improved Outcomes

In contrast to mono-specific T cells, MultiTAA –specific T cells recognize up to 5 antigens for a more potent, durable anti-tumor response.

#### **Targets Multiple Antigens**

Target expression of multiple tumor antigens may enhance tumor destroying capability, bringing about total responses that may be superior to current CAR and TCR therapies

#### **Epitope Spreading**

MultiTAA induces patient's own T cells to expand, contributing to a broader, more durable anti-tumor effect

#### **Clinical Safety**

No related SAEs or CRS observed in more than 150 patients

#### **No Genetic Modification**

Natural T cells expand with no mutagenesis risk

#### **Lower Cost**

No genetic modification = reduced manufacturing complexity and significant cost reduction compared to current options

#### **Efficient Administration**

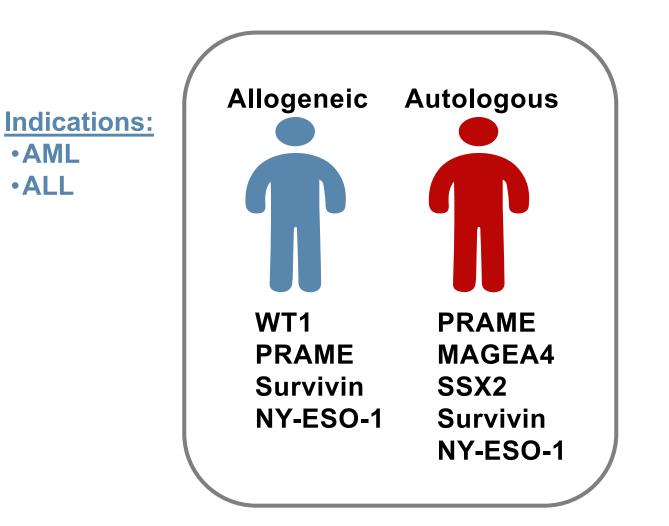
Administered in an outpatient setting, enabling therapy to be given by a medical professional according to standard IV procedures



# Manufacturing

# **Introduction to MT-401**

## Products

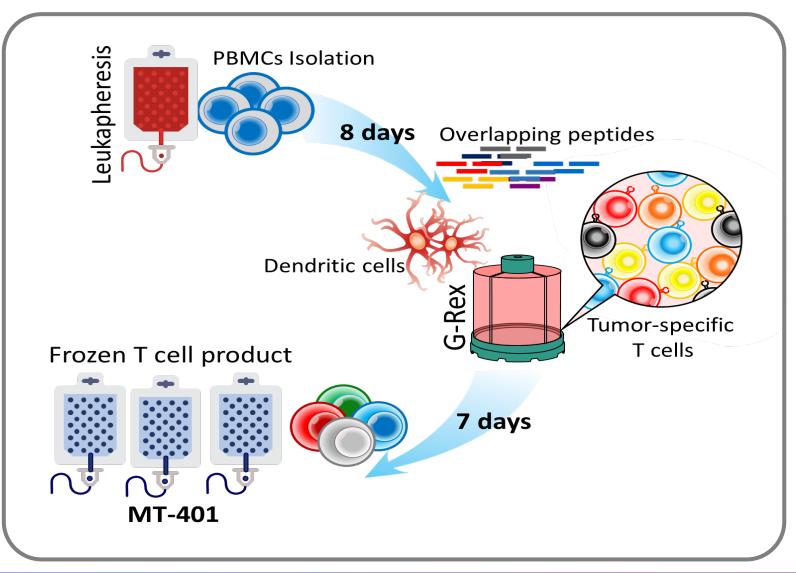


Indications:

- •Lymphoma
- MM
- Solid Tumors



## **Manufacturing Process**





## **Favorable Safety Profile and Administration**

## Administration & dose

- 10 minute infusion at clinic without need for hospitalization or ICU stay
- Administered in various tumor types, typically 20 x 10<sup>6</sup>/m<sup>2</sup> with 3 infusions over 2-4 week intervals

## Safety profile in over 150 patients treated to date

- No dose-limiting toxicities (DLT)
- No cytokine release syndrome (CRS)
- No neurotoxicity
- No Gr3-5 GvHD in post-allogeneic transplant setting

**Conclusion:** Overall, MultiTAA T cells are easy to administer and have been well tolerated in clinical trials to date



# Leveraging the Accomplishments at Baylor and Advancing our Programs at Marker

## Where We've Been

- Technology founded at the Baylor College of Medicine in 2012
- Seven Phase I/II clinical trials:
  - > AML, Lymphoma, ALL, Multiple Myeloma
  - Pancreas, Breast, Sarcomas
- Largest data set in Lymphoma with response rates similar to CAR-T programs but with improved safety and durability
- Strong response rates in post-transplant AML with high unmet medical need
- Pancreatic cancer study shows proof of concept in a solid tumor and combinability with other toxic regimens

## Where We're Going

- Clinical landscape in Lymphoma program is complicated due to approved CD-19 CARs
  - However, lymphoma and pancreatic cancer clinical data show proof of concept and demonstrates the potential of our technology
- Addressing critical unmet need and advancing Marker-sponsored Phase 2 clinical trial in posttransplant AML
  - Post transplant AML is challenging for CAR-T programs due to antigen signature on normal cells
- Phase 2 manufacturing at Marker facility



# MultiTAA in Blood Cancers

## **Phase I - Adjuvant Lymphoma Clinical Trial Outcomes**

|    |       |                    |  |  |  |                                   | Mor  | nths   |  |  |  |             |                       |
|----|-------|--------------------|--|--|--|-----------------------------------|--|--|--|--|--|-------------|-----------------------|
| ID | Age/G | Prior<br>Therapies | 4  | 8  | 12   | 16                                | 20   | 24   | 28   | 32   | 36   | 40          | BOR (Time to Relapse) |
| 3* | 39/M  | 3                  | $\rangle \rangle \rangle \rangle$  | $\rightarrow$  | $\rightarrow$  | $\rangle \rangle \rangle \rangle$ | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  |             | CCR (47 mo)           |
| 6* | 78/F  | 2                  | $\rangle \rangle \rangle \rangle \rangle$  |  |  |                                   |  |  |  |  |  |             | CCR (R after 8.6 mo)  |
| 7* | 21/M  | 4                  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow $ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle \rangle$  | $\rangle \rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle $ | $\rightarrow \rightarrow $ |             | CCR (62 mo)           |
| 8* | 34/M  | 4                  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  |  |                                   |  |  |  |  |  |             | CCR (R after 12 mo)   |
| 12 | 78/F  | 4                  | $\rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle \rangle$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  |             | CCR (39.6 mo)         |
| 17 | 73/F  | 4                  | $\rangle \rangle \rangle \rangle$  | $\rangle \rangle $   | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle$ | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  |  |  |             | CCR (29.9 mo)         |
| 18 | 32/F  | 5                  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow $ |                                   | $\rangle \rangle \rangle \rangle \rangle$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  |  |  |  |             | CCR (25.2 mo)         |
| 23 | 61/M  | 3                  | $\rangle \rangle $ | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  |  |                                   |  |  |  |  |  |             | CCR (12.1 mo)         |
| 24 | 54/M  | 4                  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ |  |                                   |  |  |  |  |  |             | CCR (12.2mo)          |
| 25 | 41/F  | 6                  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow $ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ |             | CCR (63 mo)           |
| 26 | 53/M  | 4                  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  |  |                                   |  |  |  |  |  |             | CCR (12 mo)           |
| 27 | 62/M  | 2                  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow $ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ |             | CCR (52.7 mo)         |
| 28 | 67/M  | 2                  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow $ |                                   | $\rangle \rangle $ | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ |             | CCR (49.3 mo)         |
| 29 | 65/F  | 2                  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ | $\rightarrow \rightarrow $ |                                   | $\rangle \rangle $ | $\rightarrow \rightarrow $ | $\rangle \rangle \rangle \rangle$  |  | •  |             | CCR (R after 31.7 mo) |
| 30 | 35/M  | 4                  | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ | $\rightarrow \rightarrow $ | $\boldsymbol{\boldsymbol{\succ}}$ | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow $ |  |  |             | CCR (38.4 mo)         |
| 32 | 41/M  | 3                  |  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow $ |                                   |  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow$  | $\rangle \rangle \rangle \rangle \rangle \rangle$  |  |             | CCR (35.8 mo)         |
| 33 | 25/M  | 4                  | $\rangle \rangle \rangle \rangle \rangle \rangle$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$  |                                   |  |  |  |  |  |             | CCR (24.3 mo)         |
|    |       |                    |  |  |  |                                   |  |  | Progress   | sive Disease   | Comple   | te Response |                       |



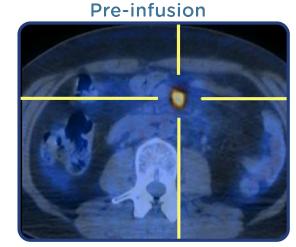
## **Phase I - Active Lymphoma Clinical Trial Outcomes**

|    | Months |                    |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               |  |
|----|--------|--------------------|--------------------------------|---|-----------------------------------|-----------------------------------|---|--|---------------|---|-----------------------------------|-----------------------------------|---------------|--|
| ID | Age/G  | Prior<br>Therapies | 2                              | 4   | 6                                 | 8                                 | 10  | 12   | 14            | 16  | 18                                | 20                                | 22            | BOR (Time to Relapse)                  |
| 1* | 31/F   | 9                  |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (1.4 mo)                            |
| 2* | 55/F   | 3                  |                                | •   |                                   |                                   |   |  |               |   |                                   |                                   |               | CR (3.2mo) Died of unrelated pneumonia |
| 4* | 38/M   | 7                  |                                | $\rangle \rangle \rangle \rangle$                 | $\rangle\rangle\rangle\rangle$    | $\rangle\rangle\rangle\rangle$    | $\rangle \rangle \rangle \rangle \rangle \rangle$             | $\rangle \rangle \rangle \rangle$  |               | $\rightarrow \rightarrow \rightarrow \rightarrow$ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle$ | >>>>          | CR (60.8 mo)                           |
| 5* | 44/F   | 4                  |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (2.5 mo)                            |
| 9  | 46/M   | 4                  | $\rightarrow$                  | $\rangle \rangle \rangle \rangle$                 | $\rangle \rangle \rangle \rangle$ | $\rangle\rangle\rangle\rangle$    | $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$ | $\rangle \rangle $ |               | $\rightarrow \rightarrow \rightarrow \rightarrow$ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle$ | >>>>          | CR (59.4 mo)                           |
| 10 | 46/F   | 3                  | $\rightarrow$                  | $\rangle \rangle \rangle \rangle$                 | $\rangle \rangle \rangle \rangle$ | >>>>                              |   | $\rangle \rangle \rangle \rangle \rangle \rangle$  |               | $\rightarrow \rightarrow \rightarrow \rightarrow$ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle$ | >>>>          | CR (48.7 mo)                           |
| 11 | 31/F   | 9                  | $\rightarrow$                  | $\rightarrow \rightarrow \rightarrow \rightarrow$ | $\rangle \rangle \rangle \rangle$ | > > >                             |   |  |               |   |                                   |                                   |               | SD (9 mo)                              |
| 13 | 69/M   | 3                  | $\rangle\rangle\rangle\rangle$ | $\rightarrow \rightarrow \rightarrow \rightarrow$ | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle$ |   | $\rangle \rangle \rangle \rangle \rangle$  | $\rightarrow$ |   | $\rangle \rangle \rangle \rangle$ | $\rangle\rangle\rangle\rangle$    | >>>>          | CR (38.5 mo)                           |
| 14 | 54/M   | 3                  |                                | $\rangle \rangle \rangle \rangle$                 |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (6 mo)                              |
| 15 | 18/F   | 5                  | $\rightarrow$                  |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (3.1 mo)                            |
| 16 | 48/M   | 4                  |                                | $\rangle \rangle \rangle \rangle$                 | $\rangle \rangle \rangle \rangle$ | >>>>                              | $\rightarrow$   |  |               | $\rangle \rangle \rangle \rangle$                 | $\rangle \rangle \rangle \rangle$ | $\rangle \rangle \rangle \rangle$ |               | CR (30.9 mo)                           |
| 19 | 49/M   | 7                  |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (1.4 mo)                            |
| 20 | 54/M   | 4                  |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (4.1 mo)                            |
| 21 | 64/M   | 5                  |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (1.4 mo)                            |
| 22 | 68/M   | 3                  |                                |   |                                   |                                   |   |  |               |   |                                   |                                   |               | SD (5 mo)                              |
|    |        |                    |                                |   | •                                 | Progressive                       | e Disease 🔴   | Complete Re  | esponse 🔵     | Stable Disea                                      | ase 🛑 Anot                        | her line of the                   | erapy while i | n SD                                   |

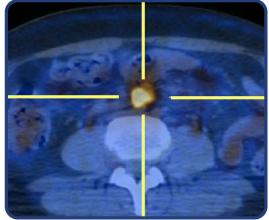


## **Case Study: Response in Lymphoma Trial of Patient 10**

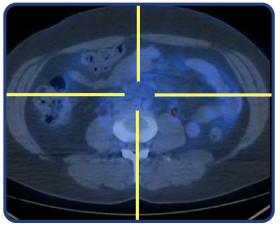
Marker T cell expansion changes over time to match antigen expression on tumor

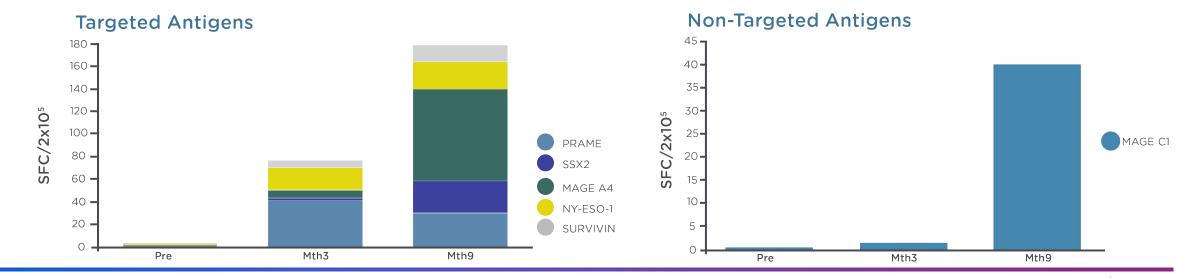


Post-infusion month 3



**Post-infusion month 9** 







## **AML Unmet Medical Need**

Acute myeloid leukemia (AML) is the **most common acute leukemia in adults** and progresses rapidly without treatment. It can spread from the blood to the **lymph nodes**, **liver**, **spleen**, **brain and spinal cord**.

#### Prevalence

• In 2017, there were an estimated **65,000** people living with AML in the U.S.

### Prognosis

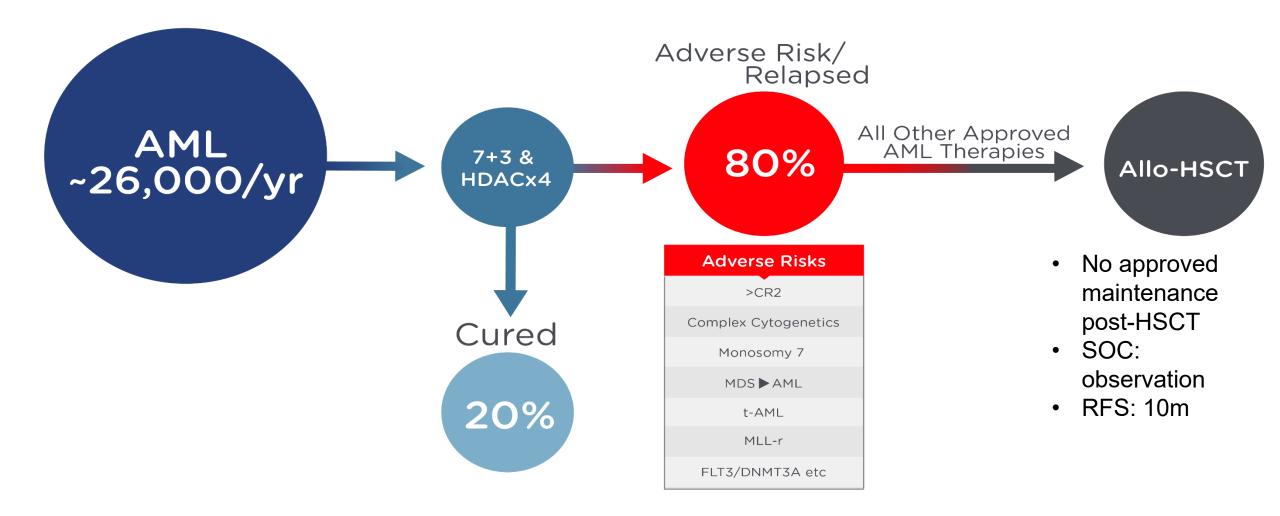
- Estimated new cases in 2020: 19,940
- Estimated deaths in 2020: **11,180**
- Estimated **3,500** AML patients receive HSCT every year
- Percent surviving 5-years (total): **28.7%**
- High risk of relapse (80%) necessitating need for improved treatments

### **Treatment**

- Current treatment for AML is chemotherapy, sometimes in combination with a bone marrow transplant
- Both treatments carry risk of bleeding, life-threatening infections and permanent infertility
- Bone marrow transplants also carry risk of graft-versus-host disease (GvHD)



## **Therapeutic Pathway for an AML Patient**





## **Outcomes of AML/MDS Patients Post Allo-HSCT**





## Marker Lead Clinical Trial: Post-Transplant AML

## **Positive Phase 1 Data**

- Anti-tumor effect, as well as significant *in vivo* expansion of T cells
- Well-tolerated, with no incidence of cytokine release syndrome, neurotoxicity or Gr3-5 GvHD

## **Unmet Need for Effective Therapies in Post-transplant Setting**

- Competitors are pursuing specific targets (i.e. CD123), with limited improvements in patient outcomes either pretransplant or bridge to transplant
- A multi-antigen approach can potentially induce the patient's own T cells to expand and contribute to a lasting antitumor effect. MultiTAA is designed target multiple potential epitopes of up to five tumor-associated antigens in order to deal with tumor heterogeneity and ultimately leading to epitope spreading

#### Phase 1 AML/MDS Results:

#### Group A: Adjuvant

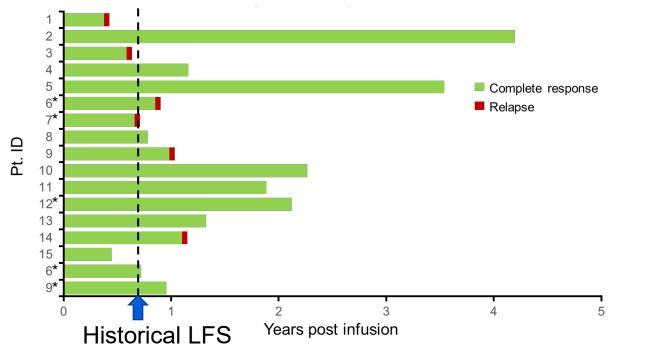
- 17 patients (12 post-HSCT, 5 received salvage post-HSCT)
  - 11/17 in continued CR (median leukemia-free survival not reached at a median follow-up of 1.9 years)

#### Group B: Active disease

- 8 patients (one patient treated twice)
  - 1 CR durable for 13 months
  - 1 PR
  - 6 SD



## **Adjuvant AML / MDS Clinical Trial Outcomes**



#### **Ph1 Adjuvant AML / MDS Clinical Trial Outcomes**



- LFS (leukemia free survival):
  - NR (f/u 1.9 yrs) vs
  - Historical control of 10m
- Estimated 2-year OS of 77% compared to risk-matched AML/MDS patients post-HSCT of 42%

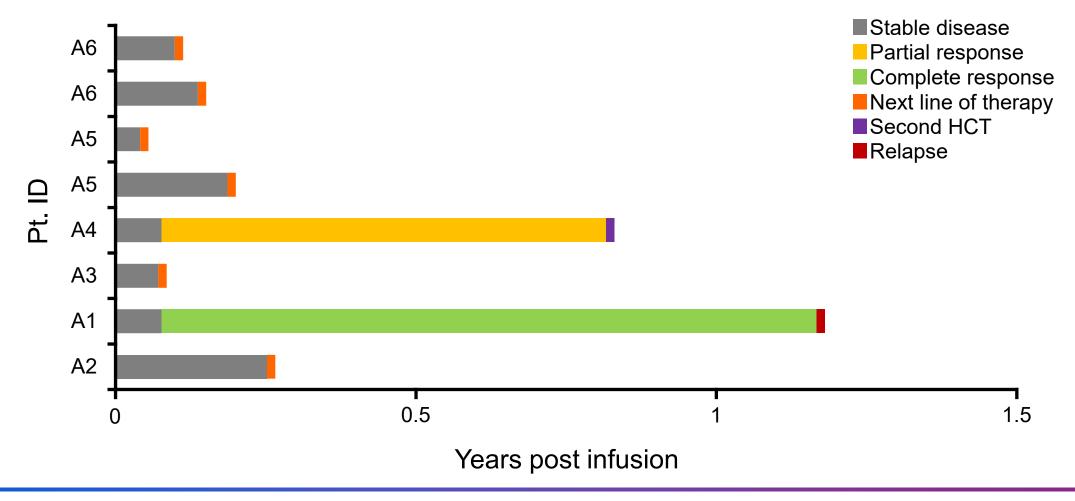
Note: Add additional 3-6 months from time of transplant to first infusion to obtain LFS for patients

#### References

- 1) Lulla P. Clinical effects of administering leukemia-specific donor T cells to patients with AML/MDS post-allogeneic transplant. Blood. 2020 Dec 3:blood.2020009471. PMID: 33270816.
- 2) Vasileiou S et al. T-Cell Therapy for Lymphoma Using Nonengineered Multiantigen-Targeted T Cells Is Safe and Produces Durable Clinical Effects. J Clin Oncol. 2021 Jan 28. PMID: 33507803.
- 3) Lulla PD. The safety and clinical effects of administering a multiantigen-targeted T cell therapy to patients with multiple myeloma. Sci Transl Med. 2020 Jul 29;12(554). PMID: 32727914.

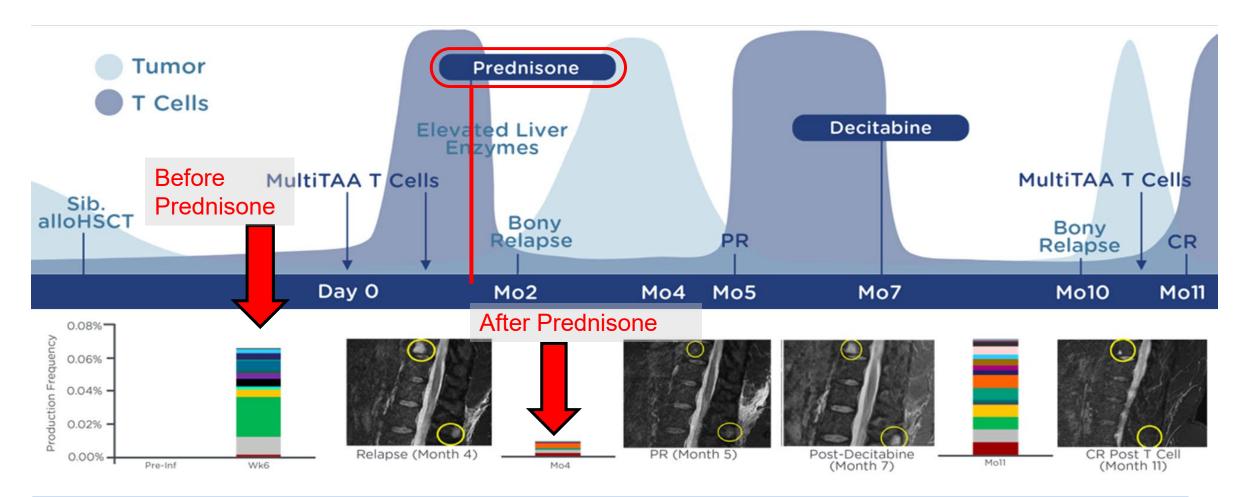


## **Active AML / MDS Clinical Trial Outcomes**





## **Clinical Course of Patient 1 (Group B: Active Disease)**

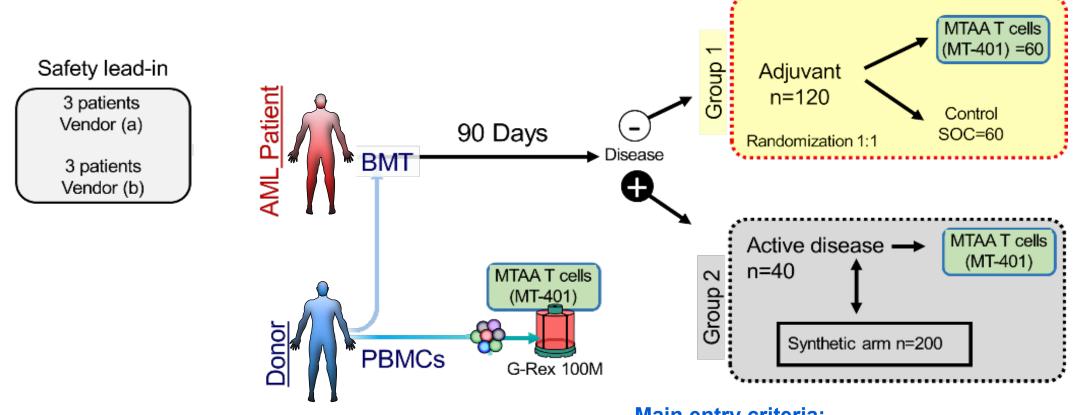


Conclusion: Steroids resolve treatment-related AEs and decrease Multi-TAA T cells



23 23

## Phase 2 Study Design for AML with Safety Lead-in



#### Primary objectives are to evaluate:

- Relapse-free survival (RFS) (Group 1)
- Complete remission (CR), duration of CR (DOCR) (Group 2)

#### Main entry criteria:

- Patients with AML after allogeneic HSCT (HLA-matched related donor, matched unrelated donor, or haploidentical)
- Karnofsky/Lansky score of ≥ 60
- Age ≥ 18
- Life expectancy  $\geq$  8 weeks
- Adequate organ function



# MultiTAA in Solid Tumors

## **Pancreatic Cancer – Difficult to Treat**

Pancreatic cancer is the seventh leading cause of global cancer deaths and the third leading cause of cancer death in the U.S.

#### Prevalence

- In 2017, there were an estimated 78,969 people living with pancreatic cancer in the U.S.
- Estimated new cases in 2020: 57,600
- Estimated deaths in 2020: 47,050

### **Survival Rates**

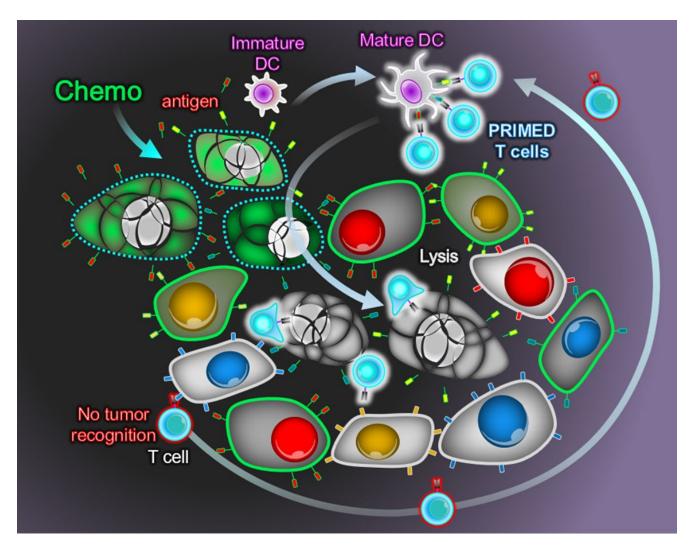
- Local (pancreas): Accounts for **10%** of cases; 5-year survival rate is **37%**
- Regional (lymph nodes): **29%** of cases; 5-year survival rate is **12%**
- Distant (Stage IV or metastatic): More than half of all cases (53%) are diagnosed at the distant stage; 5-year survival rate is 3%
- Overall 5-year survival rate = **10%**

#### **Combination Treatment**

- SOC for front-line unresectable pancreatic cancer: Chemotherapy (FOLFIRINOX or Gemcitabine/nab-paclitaxel)
- Less than 20% of patients are candidates for surgery (resectable) because cancer has usually spread by the time of diagnosis
- FOLFIRINOX: Median PFS = 6.4 months; Gemcitabine/nab-paclitaxel: Median PFS = 5.3 months



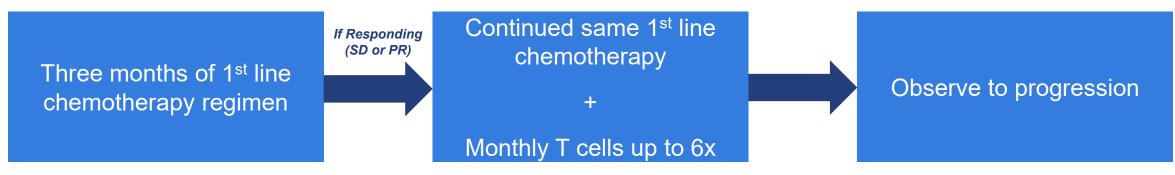
## Pancreatic Cancer: Synergy Between Chemotherapy and MultiTAA T Cells





# Efficacy of MultiTAA T Cell Therapy in Pancreatic Cancer

## Pancreatic Phase 1/2 Trial Results

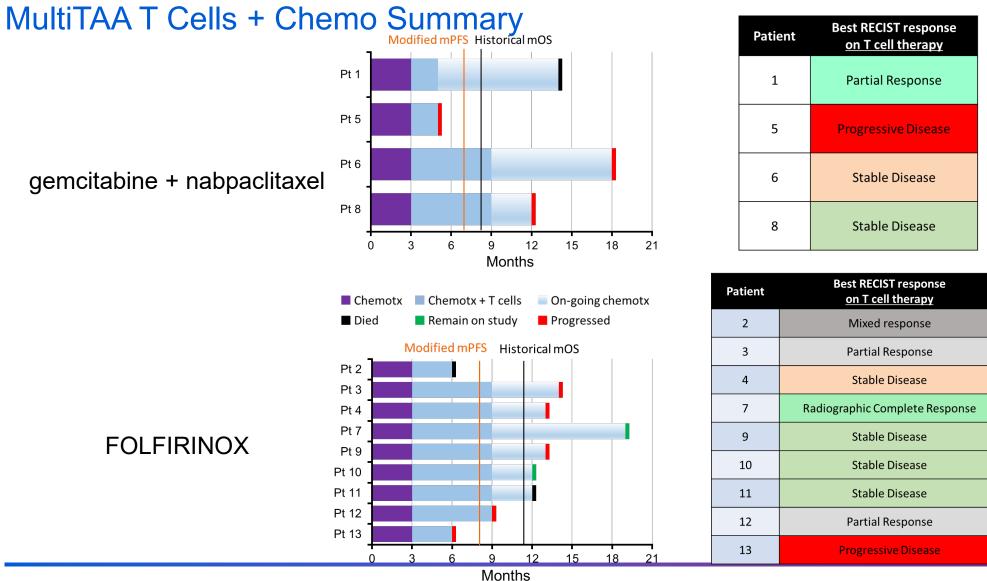


### Front Line, Active Disease Highlights: 13 Evaluable Patients

- All patients had stable disease after receiving chemotherapy alone
- 4 confirmed objective responses (OR):
  - 1 complete response (CR) and 3 partial responses (PR) after receiving MultiTAA cells
- 6 stable disease (SD):
  - Notably, 2 patients within stable disease boundaries (+20%/-30%) saw reversal of tumor growth—tumors
    previously growing after chemotherapy alone showed shrinkage following administration of MultiTAA cells
- 1 mixed response:
  - Some lesions increased and others decreased for a net zero change in size of tumor lesions
- Aggregate tumor volume shrinkage observed and 9 out of 13 patients exceeded historical control of overall survival



# **Efficacy of MultiTAA T Cell Therapy in Pancreatic Cancer**

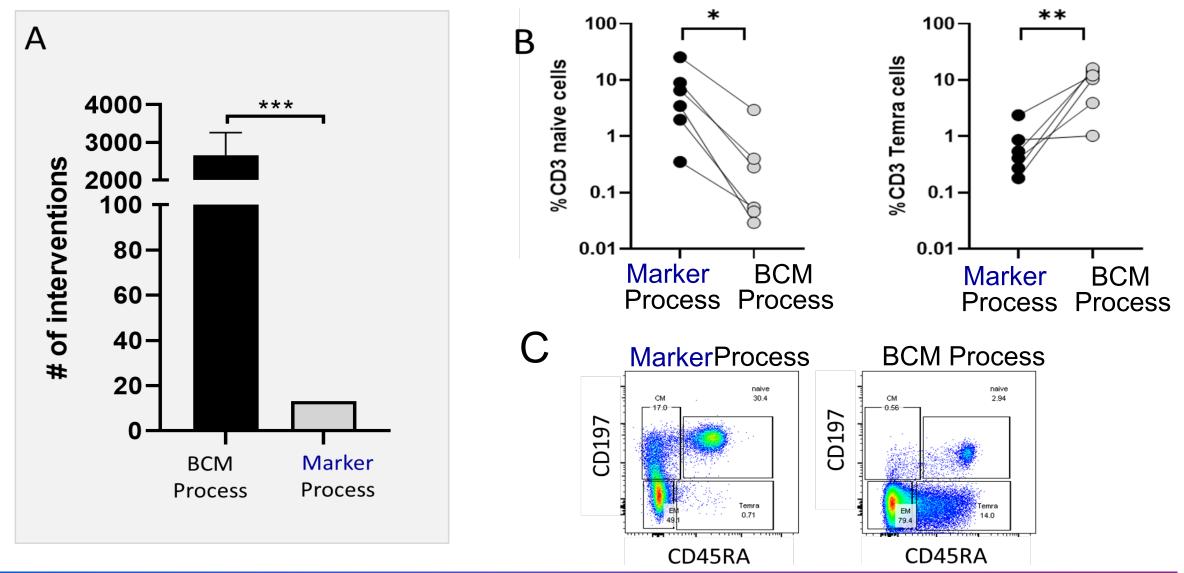




#### **Efficacy of MultiTAA T Cell Therapy in Pancreatic Cancer Aggregate Tumor Measurements** Patient 1 Patient 2 Start T cells **1 Year Therapy** 8 Patient 3 Patient 4 7 Patient 5 6 Patient 6 Patient 7 Tumor Size (cm) 5 Patient 8 Patient 9 4 Patient 10 Patient 11 3 Patient 12 2 Patient 13 1 0 Baseline 3 mths 6 mths 3 mths Post #3 Post #6 Post T cells ChemoTx infusion infusion Post T cells

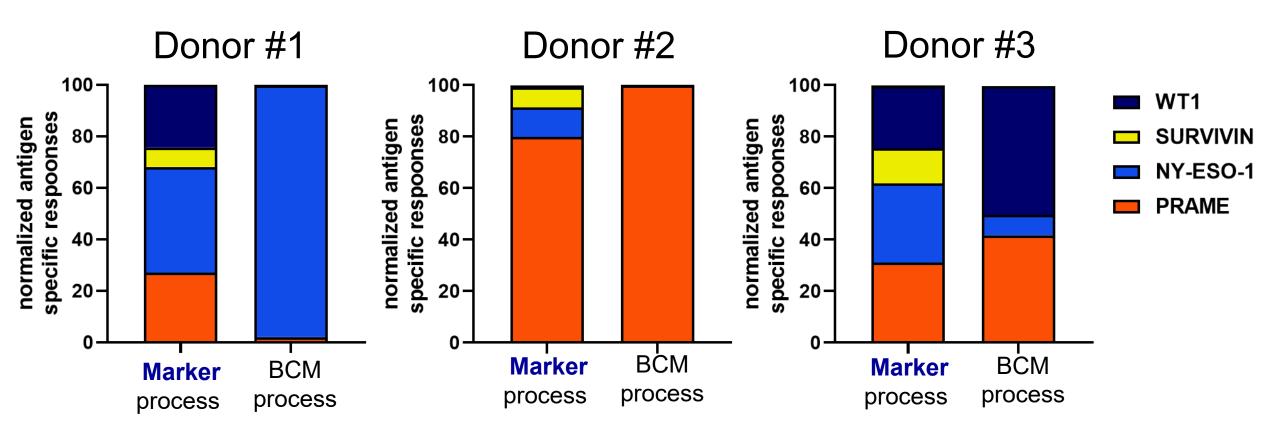


## Simplified manufacture process yield T cells with better phenotype



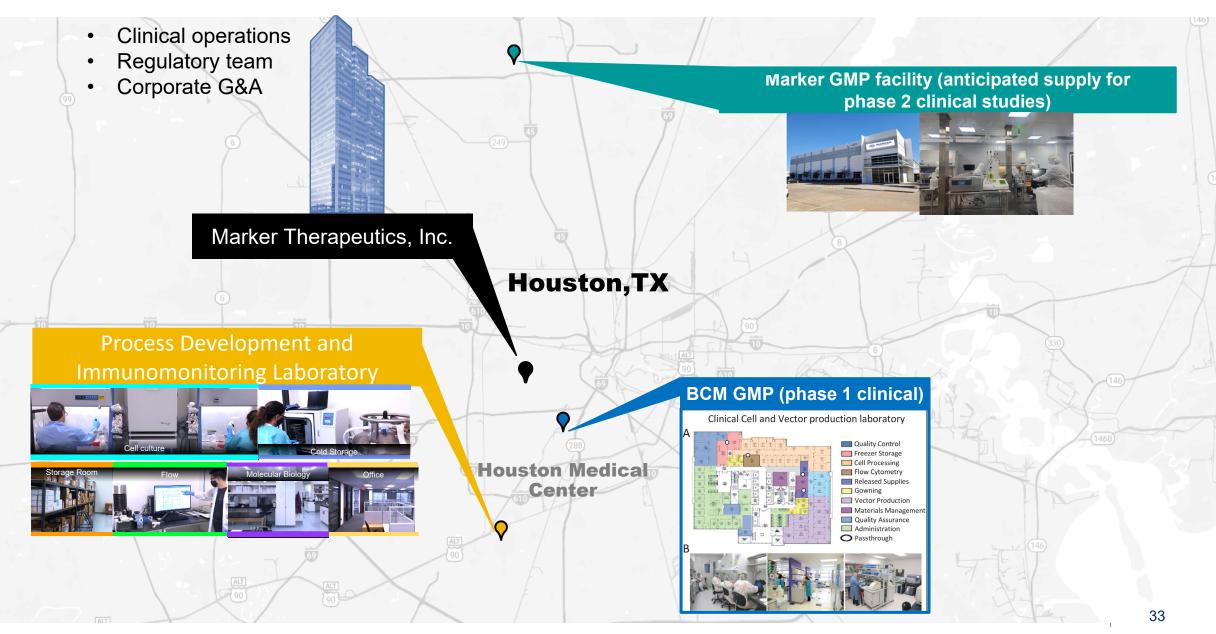


## Simplified manufacture process yield T cells with better target recognition

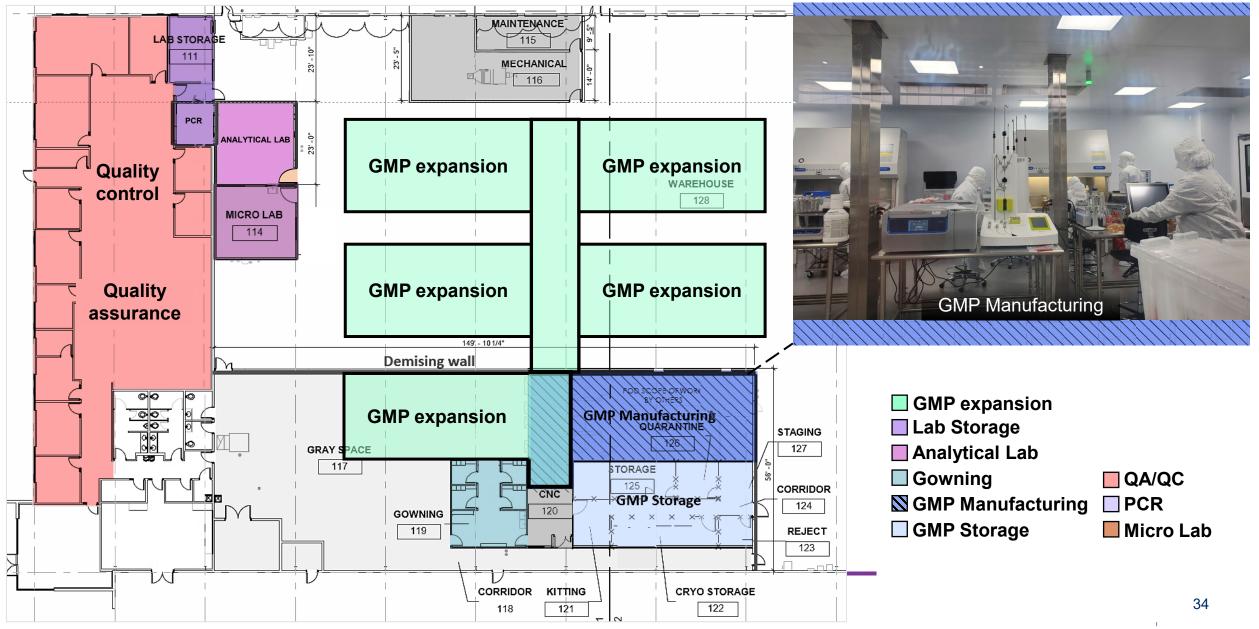




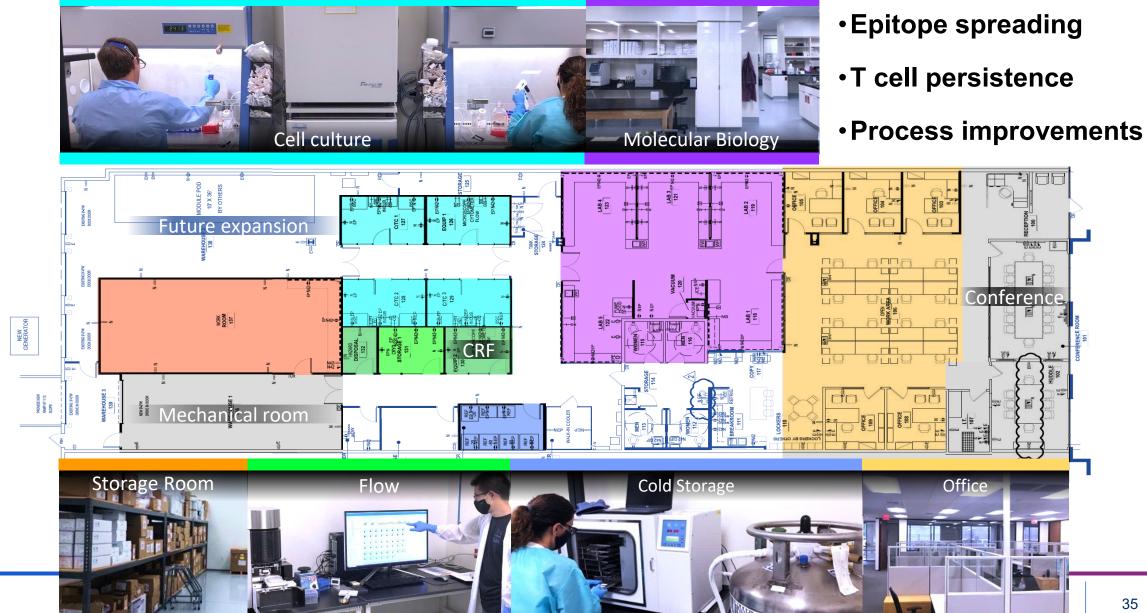
## **Company Infrastructure**



## **GMP Manufacturing Facility (Houston, Texas)**



## **Process Development & Immunomonitoring Laboratory**



## **Company Overview**

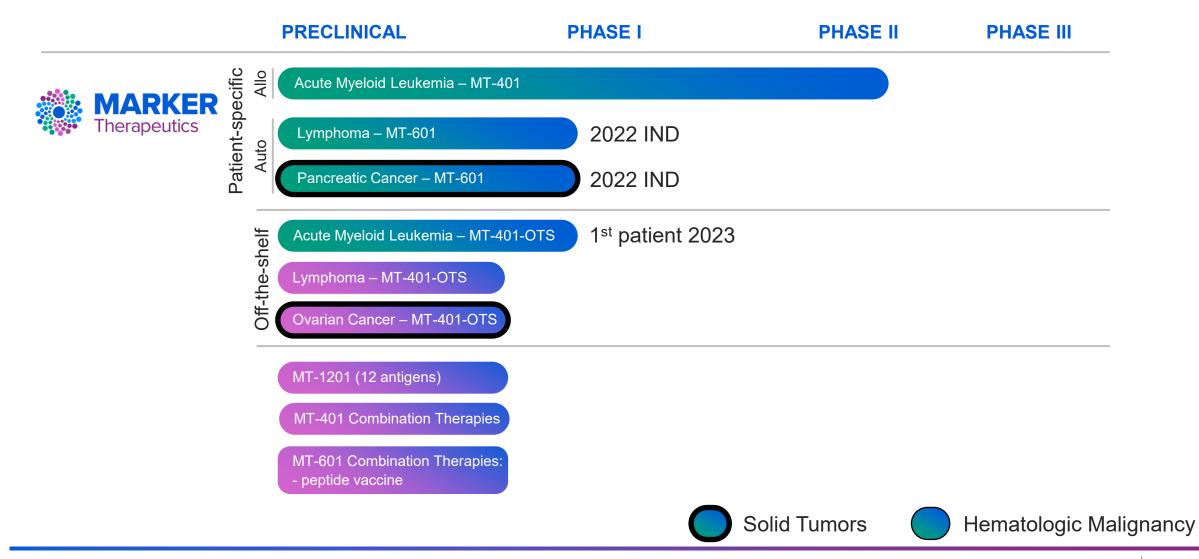
We are advancing novel T cell immunotherapies for the treatment of blood cancers and solid tumors

## Multiple Tumor-Associated Antigen (MultiTAA) Therapy

- Lead program uses non-genetically engineered T cells designed to recognize and kill multiple tumor targets for broad anti-cancer activity. Unique potential benefits include:
  - Easier, less expensive manufacturing and administration
  - Reduced toxicities over current engineered CAR-T and T cell receptor-based therapies
  - Improved clinical response over other cell therapies
- Positive results shown across various liquid and solid tumors support the rationale for post-transplant acute myeloid leukemia (AML) as first indication:
  - Well-tolerated in Phase 1 trial, with no drug-related serious adverse events
  - Company-sponsored Phase 2 study initiated in 2020



# **MultiTAA-Specific T Cell Platform Leading with AML**





## **Key Milestones**

| Event  | Expected Timing |
|--|-----------------|
| <ul> <li>Begin implementing new manufacturing process into Phase 2 AML trial</li> </ul>                                    | Q1 2022         |
| <ul> <li>Complete dose escalation for cohorts IV and V in Phase 2 AML trial under new<br/>manufacturing process</li> </ul> | Q3 2022         |
| <ul> <li>Preliminary topline readout of Group 2 patients in Phase 2 AML under prior<br/>manufacturing process</li> </ul>   | Q1 / Q2 2022    |
| <ul> <li>Open main Phase 2 of AML trial under new manufacturing process</li> </ul>   | Q3 2022         |
| <ul> <li>Enroll 10 patients in Phase 2 AML trial under new manufacturing process</li> </ul>                                | Q4 2022         |
| Complete cell inventory for OTS program  | Q4 2022         |
| Submit IND for pancreas trial  | Q4 2022         |
| Submit IND for lymphoma trial  | Q4 2022         |

