



Harnessing the Power of Gamma-Delta T Cells

August 2024

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Deep Experience Across Development and Biotechnology



William Ho
Co-Founder,
President and Chief
Executive Officer



**Lawrence
Lamb, PhD**
Co-Founder and
Chief Scientific
Officer



**Patrick
McCall, CPA**
Chief Financial
Officer



**Trishna
Goswami, MD**
Chief Medical Officer



**Kate Rochlin,
PhD**
Chief Operating
Officer



**Glenn Schulman,
PharmD, MPH**
Head IR and Corporate
Communications

IN8bio's team has deep experience in cell therapy & oncology expertise:

- Diverse leadership team brings decades of extensive background in oncology discovery, business insights, franchise creation, product development, regulatory affairs, and commercialization
- Business development and licensing expertise across biopharmaceutical and biotechnology companies
- Founding of a private healthcare investment fund and management of public investments and cross-over portfolio at leading healthcare venture capital firm, New Leaf Venture Partners
- Specialization in transplantation immunology and recognized innovation in the field of $\gamma\delta$ T cells
- Leadership of Curadigm's spin-out from Nanobiotix and platform collaborations and partnerships
- Proven and measurable successes in bringing high-profile candidates to market, including Stemline, Immunomedics and Gilead Sciences



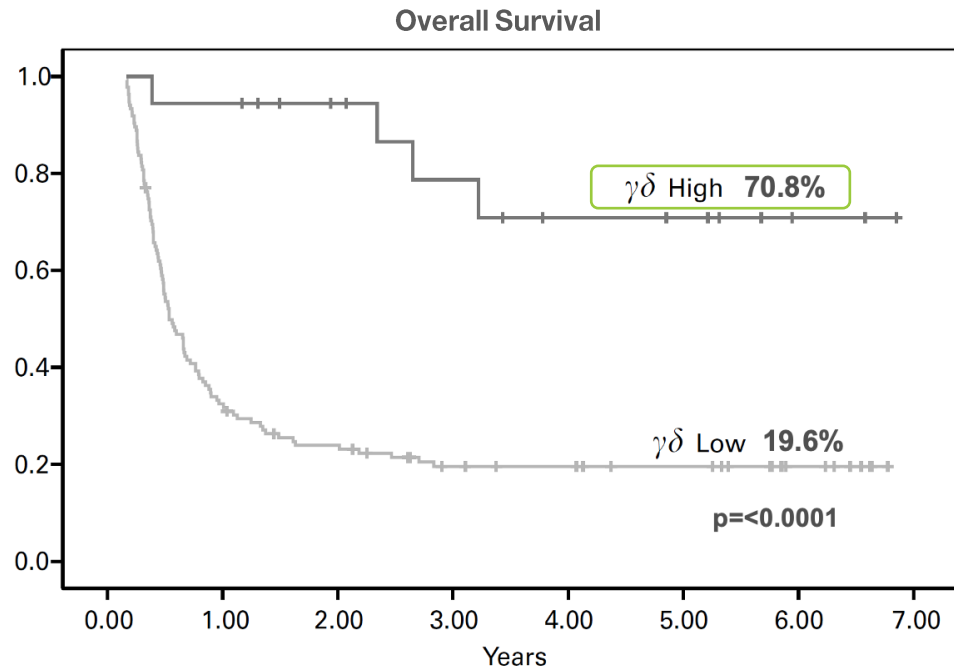


IN8bio Leading the Fight Against Cancer

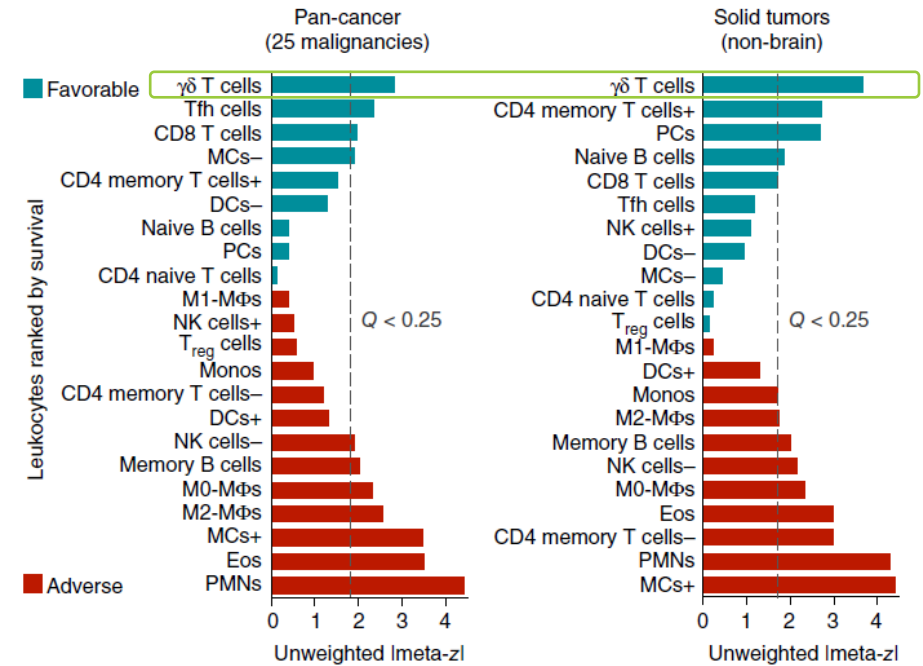
- At IN8bio, our pioneering approach has achieved long-term remissions exceeding 3 years in patients with Acute Myeloid Leukemia (AML) and Glioblastoma (GBM) through two groundbreaking clinical trials
- Unconventional Strategies in the “*War on Cancer*”
 - **Harnessing the Power of Immune Cells:** Our $\gamma\delta$ T cells are a “Special Operations Force” that act as direct cancer killers while orchestrating a comprehensive immune response
 - **Precision and Safety:** These cells coordinate and direct the actions of the immune system and identify the locations of friendly forces, enemies, and civilians on the battlefield, which helps to reduce the risk of adverse events and toxicities
 - **Durable Remissions:** With over 30 years of expertise in $\gamma\delta$ T cell research, we have pioneered the field; achieving long-term remissions against challenging cancers with significant unmet needs
- Mission **Cancer Zero™** - Driven by our goal to safely eradicate residual cancer cells, we employ innovative and unconventional strategies to transform treatment outcomes
- IN8bio is redefining cancer treatment with our innovative and novel approaches. Join us in our mission to achieve **Cancer Zero™** and transform cancer care

$\gamma\delta$ T Cells are Key to Better Survival

**Leukemia Post-HSCT:
Improved Patient Survival**



**Pan-Cancer:
Improved Patient Overall Prognosis**



Human data demonstrate that $\gamma\delta$ T cell levels strongly correlate with improved clinical outcomes

The Role of $\gamma\delta$ T Cells is Starting to be Recognized

nature cancer

Review article


<https://doi.org/10.1038/s43018-024-00798-x>

$\gamma\delta$ T cells as critical anti-tumor immune effectors

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 Check for updates

Marcel Arias-Badia¹, Ryan Chang¹ & Lawrence Fong^{1,2}✉

While the effector cells that mediate anti-tumor immunity have historically been attributed to $\alpha\beta$ T cells and natural killer cells, $\gamma\delta$ T cells are now being recognized as a complementary mechanism mediating tumor rejection. $\gamma\delta$ T cells possess a host of functions ranging from antigen presentation to regulatory function and, importantly, have critical roles in eliciting anti-tumor responses where other immune effectors may be rendered ineffective. Recent discoveries have elucidated how these differing functions are mediated by $\gamma\delta$ T cells with specific T cell receptors and spatial distribution. Their relative resistance to mechanisms of dysfunction like T cell exhaustion has spurred the development of therapeutic approaches exploiting $\gamma\delta$ T cells, and an improved understanding of these cells should enable more effective immunotherapies.

Our Programs Span 30+ years of Peer-Reviewed Data...

We believe that the innovative critical findings over time reduces the risk in our clinical programs

- Leukemia, Bone Marrow Transplant, and Manufacturing

- **1996** – Association between increased circulating $\gamma\delta$ T cells and long-term survival in leukemia patients following haploidentical bone marrow transplantation. DOI: [10.1089/scd.1.1996.5.503](https://doi.org/10.1089/scd.1.1996.5.503)
- **1999** – Concentrated $\gamma\delta$ T cells are required in the graft to achieve high $\gamma\delta$ T cell numbers and the subsequent clinical effect. DOI: [10.1080/0032472031000141295](https://doi.org/10.1080/0032472031000141295)
- **2001** – Scalable manufacturing of V δ 1 T Cells with solid phase antibody and IL-2 that do not initiate allogeneic GvHD. DOI: [10.1038/sj.bmt.1702830](https://doi.org/10.1038/sj.bmt.1702830)
- **2005** – Near-complete loss of circulating V δ 2 T Cells and reduced V δ 1 CDR3 region diversity in children presenting with leukemia prior to induction therapy DOI: [10.1007/s00262-005-0094-6](https://doi.org/10.1007/s00262-005-0094-6)
- **2007** – Association between increased circulating $\gamma\delta$ T cells and long-term survival over eight years in leukemia patients following haploidentical bone marrow transplantation (most cited) DOI: [10.1038/sj.bmt.1705650](https://doi.org/10.1038/sj.bmt.1705650)
- **2014** – Manufacturing and characterization of $\gamma\delta$ T cells from iPSC. DOI: [10.1371/journal.pone.0097335](https://doi.org/10.1371/journal.pone.0097335)
- **2018** – Clinical-scale manufacturing of V δ 2 T Cells DOI: [10.1038/s41409-018-0130-8](https://doi.org/10.1038/s41409-018-0130-8)

Our Programs Span 30+ years of Peer-Reviewed Data...

We believe that the innovative critical findings over time reduces the risk in our clinical programs

- Glioblastoma (GBM)

- **2009** - Unique opportunities for $\gamma\delta$ T cells in GBM DOI: [10.1215/15228517-2008-111](https://doi.org/10.1215/15228517-2008-111)
- **2010** – Early preclinical in vitro and animal studies support therapeutic potential of $\gamma\delta$ T cells in GBM. DOI: [10.1007/s11060-010-0245-2](https://doi.org/10.1007/s11060-010-0245-2)
- **2013** – Successful genetic modification of $\gamma\delta$ T cells for resistance to temozolomide (drug resistant therapy – DRI) DOI: [10.1371/journal.pone.0051805](https://doi.org/10.1371/journal.pone.0051805)
- **2015** – Resistance of GBM to $\gamma\delta$ T cells due to NKG2DL down-regulation in a syngeneic immune competent mouse model DOI: [10.1371/journal.pone.0122387](https://doi.org/10.1371/journal.pone.0122387)
- **2015** – Safety of neoadjuvant allogeneic $\gamma\delta$ T cell therapy with radiation and chemotherapy (IND-Enabling) DOI: [10.1007/s00262-015-1662-z](https://doi.org/10.1007/s00262-015-1662-z)
- **2016** – Failure of in zoledronate and IL-2 in vivo activation of $\gamma\delta$ T cells in pediatric patients with stage IV neuroblastoma DOI: [10.1097/MD.0000000000004909](https://doi.org/10.1097/MD.0000000000004909)
- **2021** – Efficacy and safety of temozolomide-resistant allogeneic $\gamma\delta$ T cell therapy for primary and recurrent GBM (IND-Enabling). DOI: [10.1038/s41598-021-00536-8](https://doi.org/10.1038/s41598-021-00536-8)
- **2024** – Adoptive $\gamma\delta$ T cell therapy of primary GBM with MGMT-modified $\gamma\delta$ T cells in maintenance-phase (clinical trial discussion) DOI: [10.3389/fimmu2024.1299044](https://doi.org/10.3389/fimmu2024.1299044)

IN8bio's Thesis for a Successful Cellular Therapy

Our three-pronged approach to targeting cancers:

Durability

Meaningful **duration of response** can be achieved by increasing the **depth of response** through novel **synergistic combinations**.

Tolerability

Utilize **novel cell types** with a natural ability to identify and kill malignant cells while **preserving healthy tissue** to avoid toxicities seen with other cell therapy approaches.

Heterogeneity

Employ an approach that can leverage **endogenous immune mechanisms** to **cover tumor heterogeneity** and drive broader immune activation.

Robust Pipeline with Multiple Near-Term Clinical Readouts

| Product Candidate | Approach | Key Indications | Preclinical | Phase 1 | Phase 2 | Phase 3 | Next Anticipated Milestone(s)^ |
|--|-----------------------------|---------------------|-------------|---------|---------|---------|--|
| Hematologic Malignancies (Allogeneic) | | | | | | | |
| INB-100 | DeltEx | AML, MDS | | | | | <ul style="list-style-type: none"> Provide LT follow-up, enroll patients and report updates in expansion cohort at DL 2 through remainder of 2024 Potential submission of IND for Phase 2 RCT trial^ during 1H25 |
| Solid Tumors (Autologous) | | | | | | | |
| INB-200 | DeltEx DRI* | GBM (1L)** | | | | | <ul style="list-style-type: none"> Additional long-term follow-up in 4Q24 |
| INB-400 | DeltEx DRI | GBM (1L) | | | | | <ul style="list-style-type: none"> Data update at medical meetings in 2025 |
| Solid Tumors (Allogeneic) | | | | | | | |
| INB-400 | DeltEx DRI | GBM (relapsed & 1L) | | | | | <ul style="list-style-type: none"> Potentially submit IND for Allo Phase 1b in relapsed GBM in 2025^ |
| In Development | | | | | | | |
| INB-300 | Non-signaling CAR-T (nsCAR) | TBD | | | | | <ul style="list-style-type: none"> FDA guidance on pre-IND planning by 1Q25 |
| INB-500 | γδ iPSC T cells | TBD | | | | | |

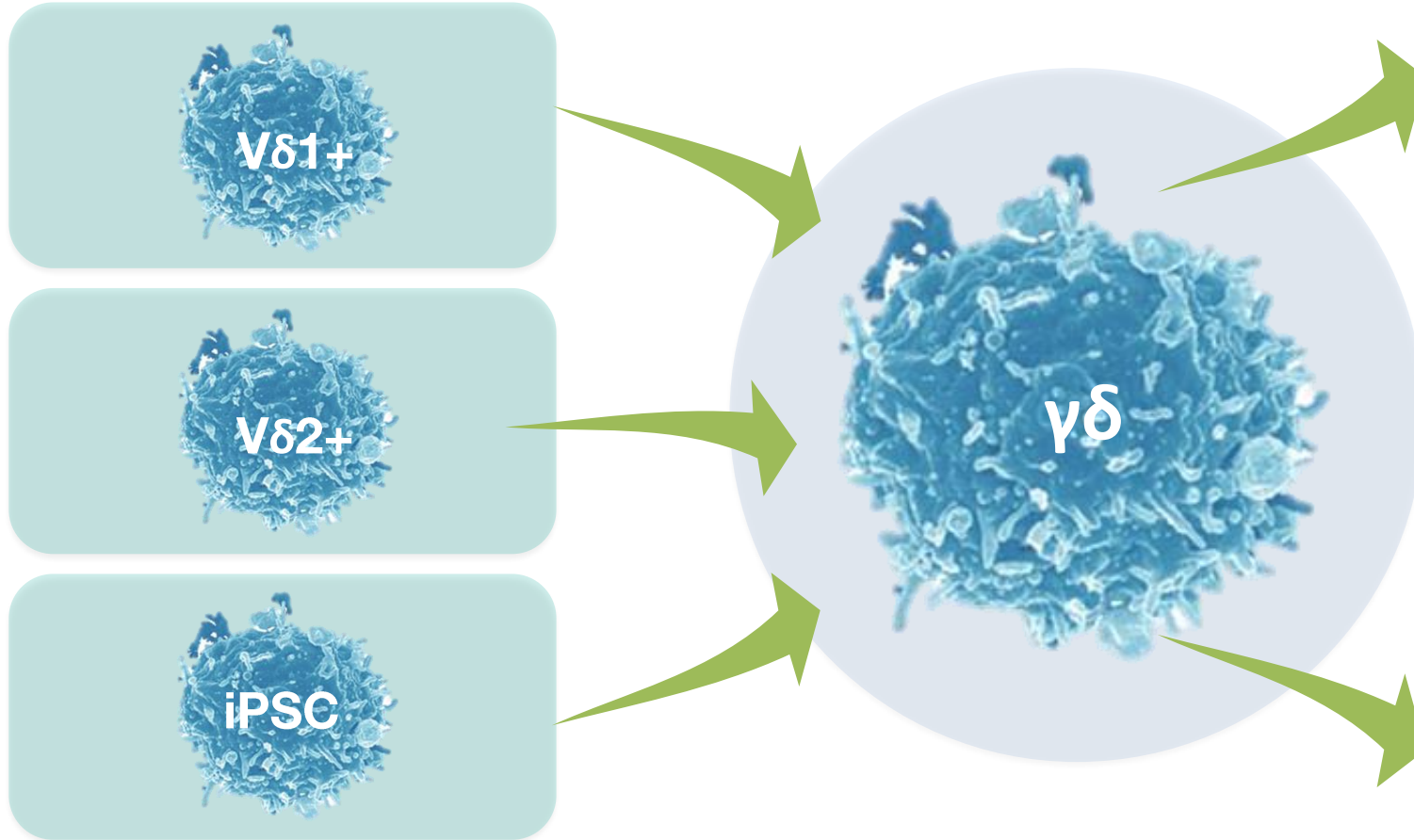
* DRI = Drug Resistant Immunotherapy, or a chemotherapy resistant cell therapy

** 1L = First line therapy

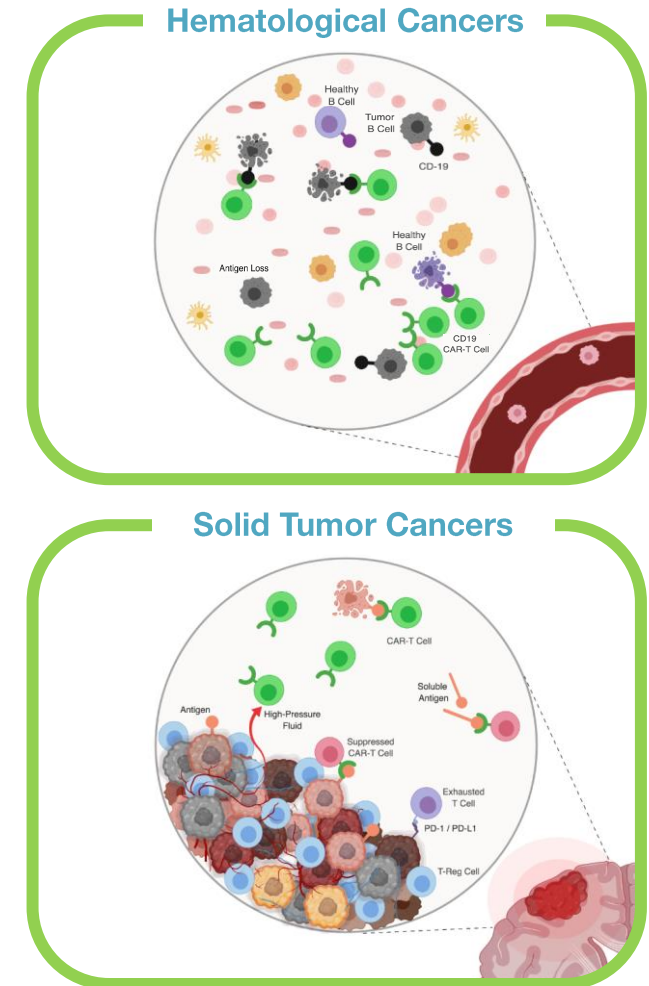
^ Timing of next anticipated milestones are estimates based on the successful raise of additional capital to fund our programs and are subject to change

IN8bio Possesses a Comprehensive $\gamma\delta$ T Cell Platform

$\gamma\delta$ T Cell Sourcing



Tumor Targeting



INB-100

Post-Transplant Survival Supported by Outside Research

Improved Overall Survival, Relapse-Free-Survival, and Less Graft-vs.-Host-Disease in Patients With High Immune Reconstitution of TCR Gamma Delta Cells 2 Months After Allogeneic Stem Cell Transplantation

Lia Minculescu^{1*}, Hanne Vibeke Marquart¹, Lars Peter Ryder¹, Niels Smedegaard Andersen², Ida Schjoedt², Lone Smidstrup Friis², Brian Thomas Kornblit², Soren Lykke Petersen², Eva Haastrup¹, Anne Fischer-Nielsen¹, Joanne Reekie³ and Henrik Sengelov²

¹ Department of Clinical Immunology, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, ² Department of Hematology, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, ³ Department of Infectious Diseases, PERSIMUNE, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark

Improved Survival

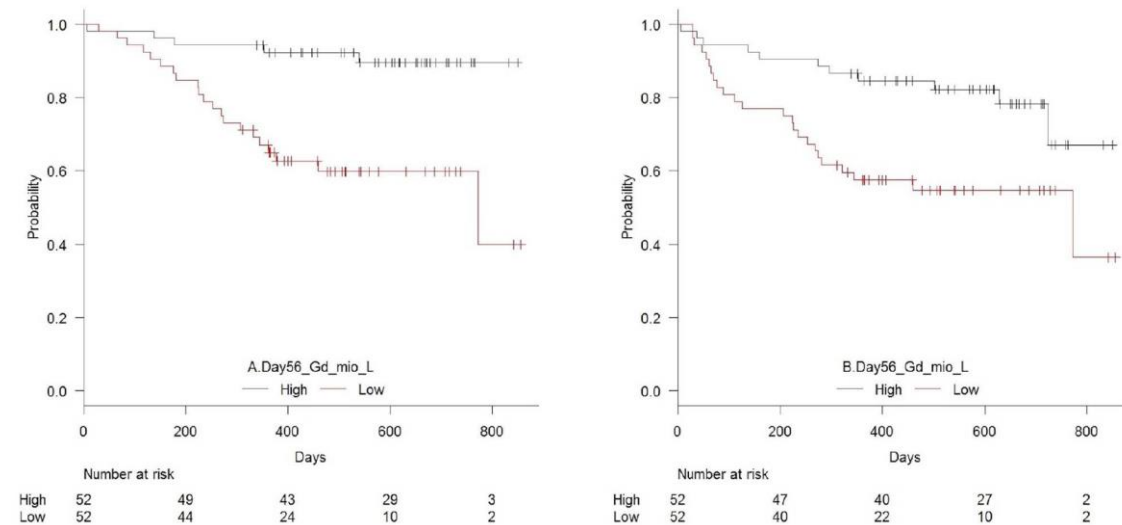


FIGURE 4 | Estimated (A) overall survival ($p = 0.001$) and (B) relapse-free survival ($p = 0.007$) in patients with high vs. low concentrations (median $21 \times 10^6/L$) of TCR $\gamma\delta$ cells 56 days after transplantation, $n = 104$.

High level of gamma-delta T cells shown to improve survival in allogeneic transplantation

Haploidentical Stem Cell Transplantation (HSCT)

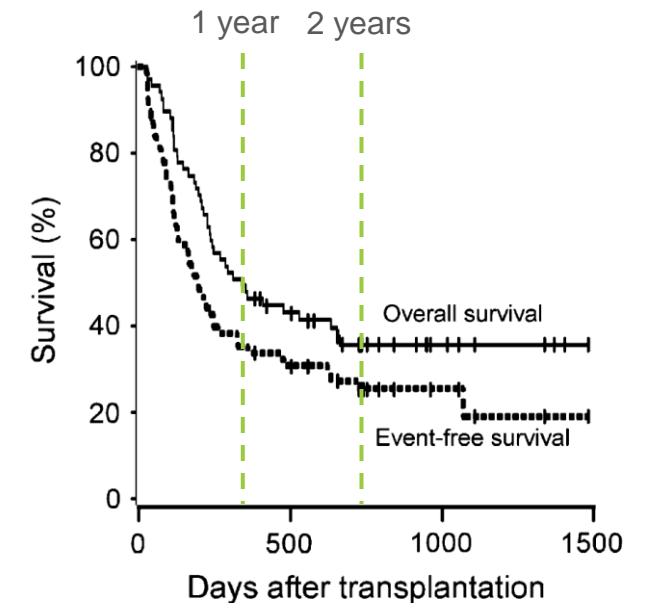
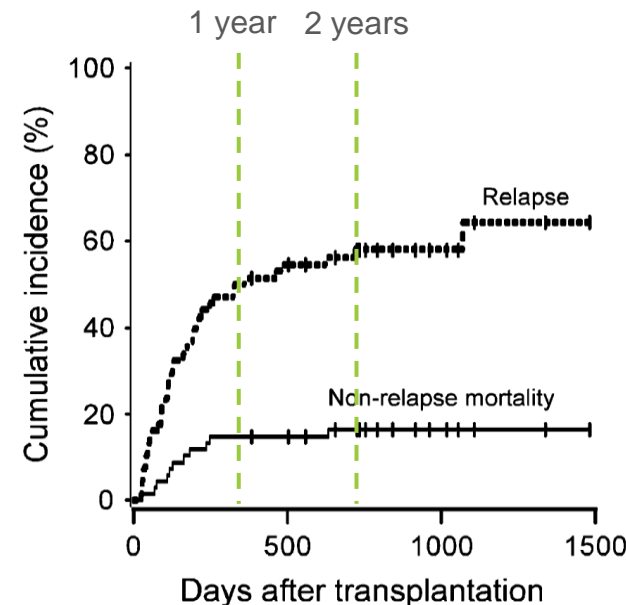
Relapse is the biggest HSCT problem

- Haploidentical transplants and reduced intensity conditioning (RIC) regimens have expanded access to stem cell transplantation
- **Relapse remains the biggest risk post-transplant with a ~51% risk of relapse at 1-year**
- Gamma-delta ($\gamma\delta$) T cells are an inherent anti-cancer immune cell that may be able to preempt relapse in the post-transplant setting
- $\gamma\delta$ T cells respond to stress ligands expressed on tumor cells to eliminate residual leukemia

HLA-Haploidentical Bone Marrow Transplantation for Hematologic Malignancies Using Nonmyeloablative Conditioning and High-Dose, Posttransplantation Cyclophosphamide

Leo Luznik,^{1*} Paul V. O'Donnell,^{2,3*} Heather J. Symons,¹ Allen R. Chen,¹ M. Susan Leffell,¹ Marianna Zaburak,¹ Ted A. Gooley,^{2,3} Steve Piantadosi,¹ Michele Kaup,¹ Richard F. Ambinder,¹ Carol Ann Huff,¹ William Matsui,¹ Javier Bolaños-Meade,¹ Ivan Borrello,¹ Jonathan D. Powell,¹ Elizabeth Harrington,² Sandy Warnock,² Mary Flowers,^{2,3} Robert A. Brodsky,¹ Brenda M. Sandmaier,^{2,3} Rainer F. Storb,^{2,3} Richard J. Jones,¹ Ephraim J. Fuchs¹

¹ Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, Maryland; ² Fred Hutchinson Cancer Research Center, Seattle, Washington; and ³ University of Washington School of Medicine Seattle, Washington



INB-100: An Allo Therapy to Reduce Leukemic Relapse

Single-center, dose-escalation trial of DeltEx Allo gamma-delta T cells post-haploidentical HSCT

Treatment Arms

Single, ascending dose levels in a 3+3 design:

1. N = 3 (up to 6) patients, single dose of 1×10^6 cells/kg
2. N = 3 (up to 6) patients, single dose of 3×10^6 cells/kg
3. N = 3 (up to 6) patients, single dose of 1×10^7 cells/kg

← RP2D*

Treatment Regimen & Timing

Fludarabine +
cyclophosphamide + TBI =
6 days



Haploidentical HSCT*



INB-100 infusion within 7
days after engraftment

*Neutrophil engraftment is ~15-20 days following HSCT

Key Eligibility Criteria

- Adult patients with a haploidentical donor identified
- KPS ≥ 70
- AML in mCR with intermediate/high-risk features or relapsed disease
- CML in any chronic phase
- MDS with intermediate/high-risk features
- ALL in mCR with high-risk features or relapsed disease

Primary Endpoints

- Safety
- Maximum tolerated dose (MTD) of DeltEx Allo gamma-delta T cell infusion
- Dose limiting toxicity (DLT)

Secondary Endpoints

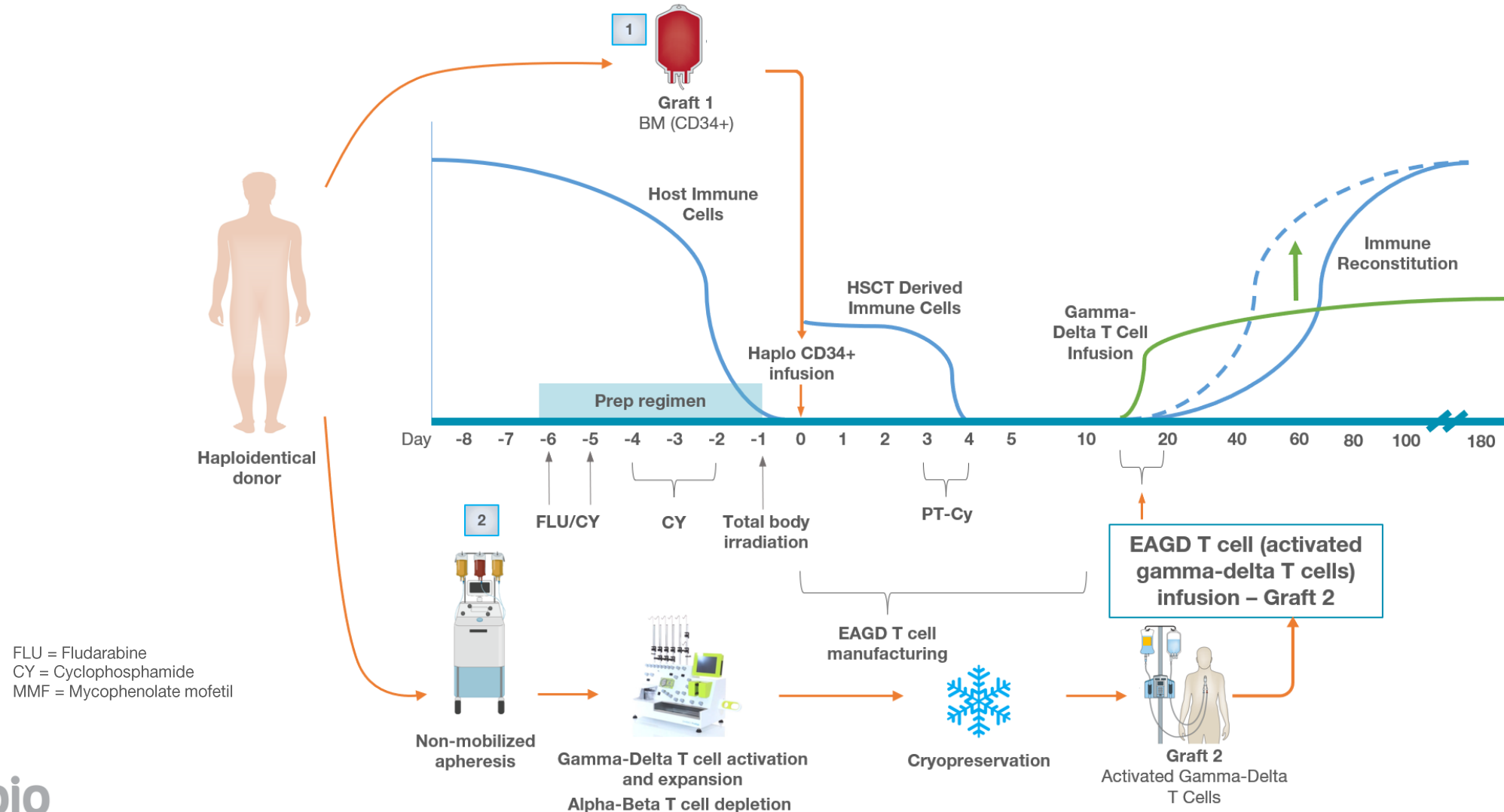
- Incidence of acute and chronic graft versus host disease (aGVHD), relapse, and overall survival

Site

THE UNIVERSITY OF KANSAS
CANCER CENTER

Potential to Provide Protection During a Vulnerable Period

Expanded + activated gamma-delta T cells (EAGD) to prevent leukemic relapse



Patient Demographics and Summary

| Patient | Dose Level | Age / Sex | Prior Therapies | Disease | Acute / Chronic GvHD | CR (mos) | OS (mos) |
|---------|------------|-------------|---|--|--|--------------------|-----------------------------|
| 002 | 1 | 63 / female | Idasanutlin + 7+3 | High-risk AML trisomy 8+ and del7, FLT3 TKD | Acute G2 skin GvHD Chronic limited mild skin GvHD | 51.6+ | Alive |
| 003 | 1 | 44 / female | 7+3 | High-risk AML trisomy 8+ and del7, IDH2 | Acute G2 GI, Acute G2 rash GvHD | 42.4** LTFU | Alive |
| 006 | 1 | 66 / male | 7+3 IDAC | High-risk relapsed AML | Acute G2 rash GvHD Chronic extensive GvHD | 37.6+ | Alive |
| 007 | 1 | 71 / male | Ven/Aza+Pembrolizumab | AML | Acute G2 rash GvHD Chronic limited mod GvHD | 15.5 | 15.5 died due to IPF |
| 009 | 2 | 68 / male | R-CHOP Blinatumomab Inotuzumab Flu/Mel/TBI Vincristine/steroids Flu/cy/brentuximab CAR-T with Tecartus | Relapsed Ph- ALL; TP53 mutated | Acute G2c rash GvHD | 14.7 | Alive at 21.2+ |
| 010 | 2 | 63 / female | 7 cycles Venetoclax/Aza | AML | Acute G2b rash - GvHD | 20.9+ | Alive |
| 011 | 2 | 68 / male | Hydrea/Peg-IFN | ET with MDS/MPN overlap; TP53 mutated | Acute G1 rash - <u>not</u> GvHD Acute G1 diarrhea - <u>not</u> GvHD | 12.5 | Alive at 18.0+ |
| 012 | 2 | 69 / male | 2 cycles Venetoclax/Aza | AML | | 14.6+ | Alive |
| 013 | 2 | 71 / female | 1 cycle Ven/aza/gliteritinib 2 cycles Venetoclax/Aza | AML, FLT3 | Acute G1 diarrhea - <u>not</u> GvHD Oral sensitivity- <u>not</u> GvHD | 14.3+ | Alive |
| 014 | 2 | 71 / male | Venetoclax/Dacogen | AML, del20, -Y | Acute G1 diarrhea - <u>not</u> GvHD Acute G1 rash - <u>not</u> GvHD | 13.8+ | Alive |

Average patient age ~68 y/o

Majority have AML

Received up to 7 prior therapies

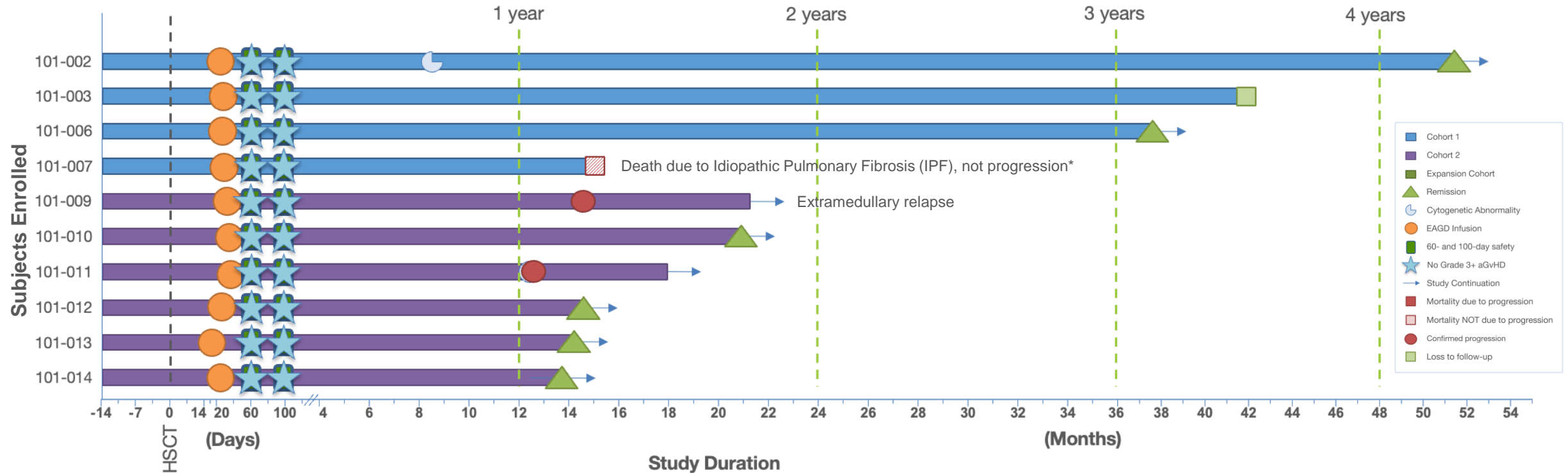
14 enrolled, n=10 dosed and evaluable for safety

- 1 patient expired prior to dosing
- 1 patient received an out of specification product at 6 x 10⁵ EAGD/kg
- 1 manufacturing failure
- 1 screen failure due to relapse prior to treatment

Median follow-up = 19.5 mos

100% Patients Remained in Morphologic CR \geq 12 Months*

Three patients with high-risk disease remain relapse free for > 3 years with median follow-up 19.5 months;
No AML patients have relapsed to date



Note: *POD = progression of disease;
*As of August 1, 2024; Early trial results are not indicative of future results, including the outcome of this trial.

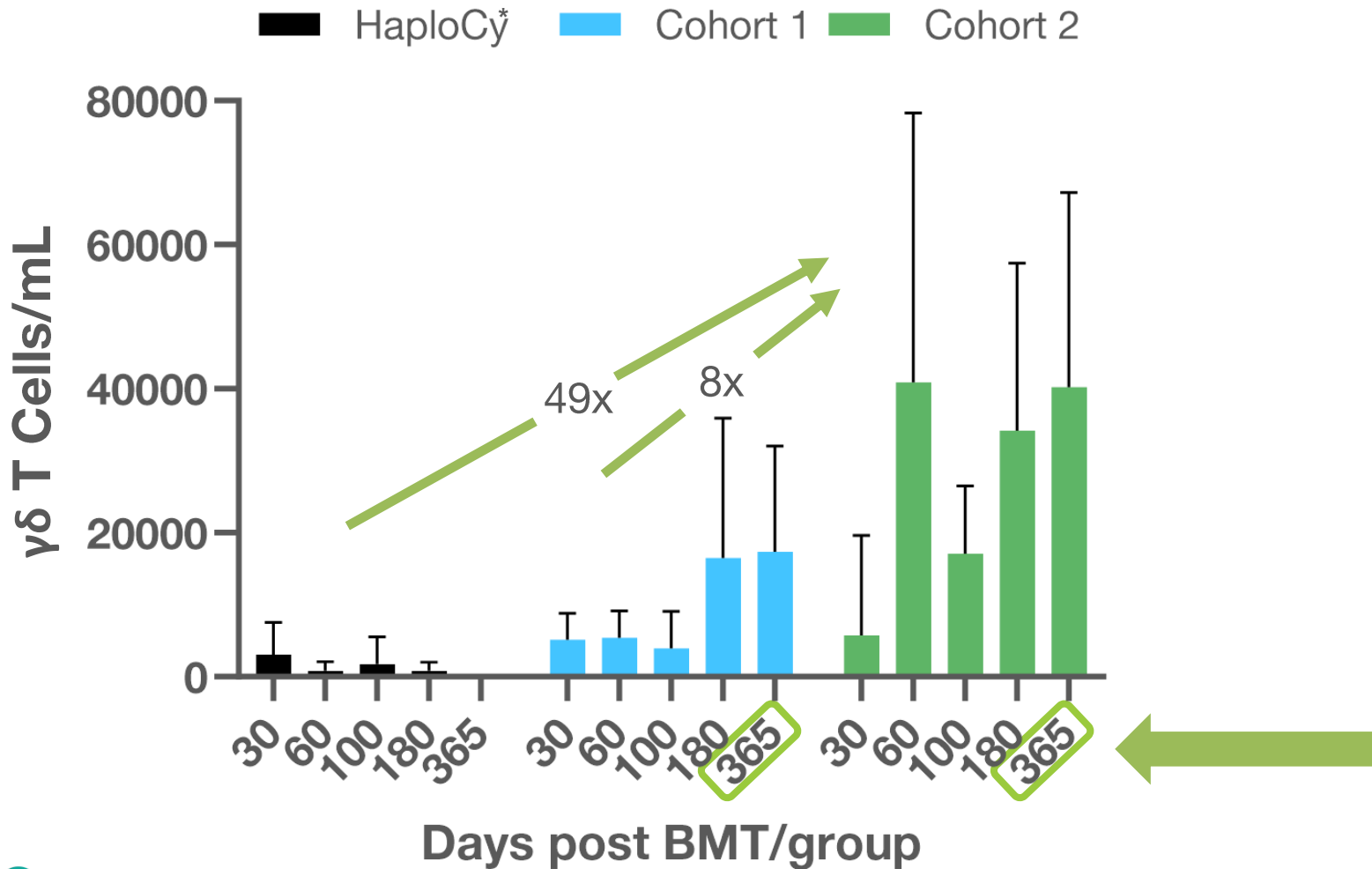
Chimerism Data Confirms 1-yr RFS for 10/10 Patients

| | Dose Level 1 | | | | Dose Level 2 - RP2D | | | | | |
|----------------------|--------------|---------|---------|---------|---------------------|---------|---------|---------|---------|---------|
| | 101-002 | 101-003 | 101-006 | 101-007 | 101-009 | 101-010 | 101-011 | 101-012 | 101-013 | 101-014 |
| Infusion | | | | | | | | | | |
| Day 30 | | | | | | | | | | |
| Day 60 | | | | | | | | | na | |
| Day 100 | | | na | | | na | | | | |
| Day 180 | | na | | | | | | | | |
| Day 365 | | na | | | | | | | | |
| Morphologic CR @ 1yr | | | | | | | | | | |

- Cohort 1
- Cohort 2
- EAGD Infusion
- Cytogenetic CR
- Morphologic CR
- Mixed chimerism requiring clinical intervention

One-Year *In Vivo* Persistence and Expansion of $\gamma\delta$ T Cells

Haplo-Cy vs INB-100

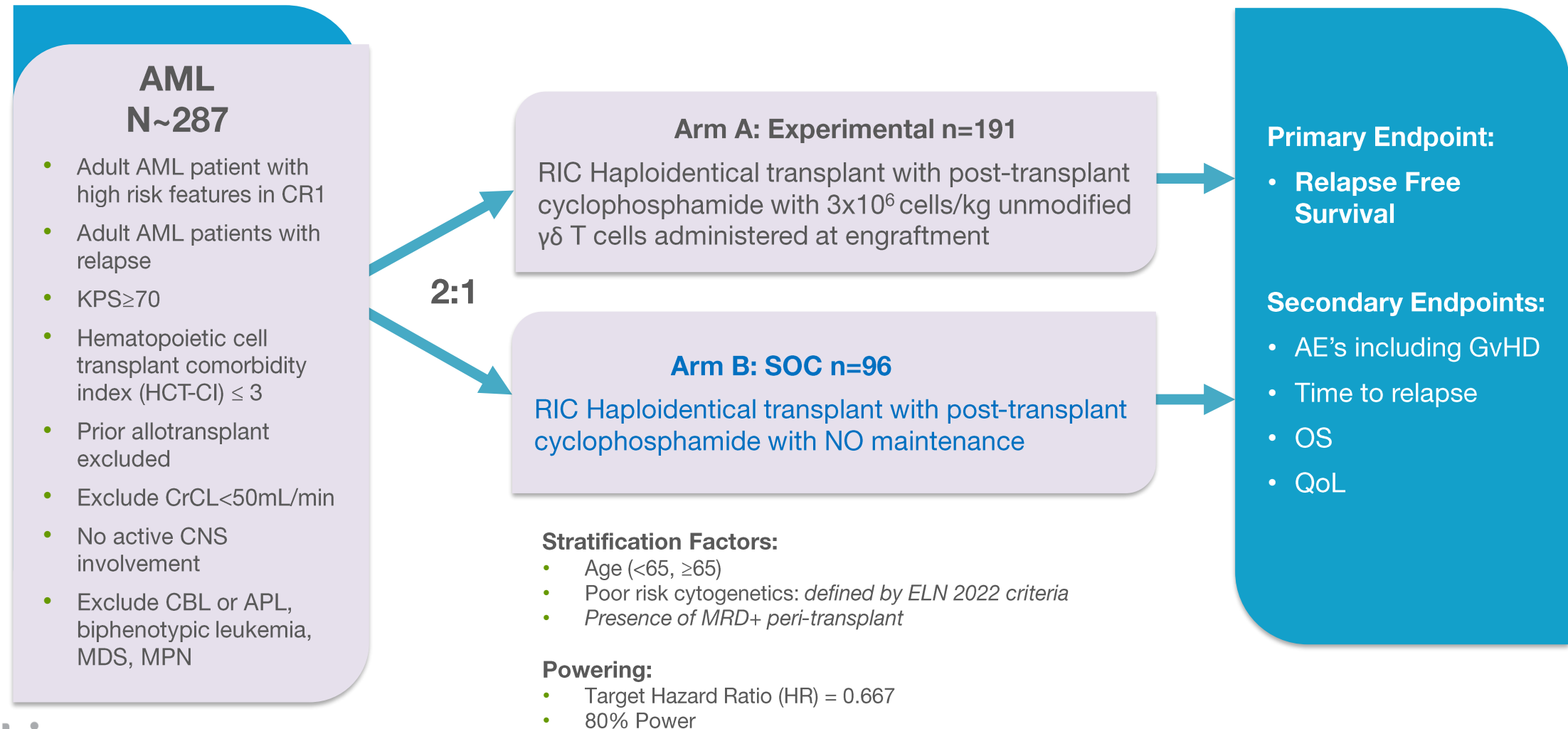


- Comparison of $\gamma\delta$ T cell count recovery between patients who received haploidentical BMT + post-BMT Cy without $\gamma\delta$ T cell infusion and INB-100 patients from Cohort 1 and Cohort 2
- Dose dependent increase of circulating $\gamma\delta$ T cells at Days +60, +100, +180 and +365 for INB-100 treated patients
- Despite Cohort 2 patients receiving 3x the $\gamma\delta$ T cell dose as Cohort 1, an 8x increase in $\gamma\delta$ T cells was observed at 60 days
- Continued presence at 365 days suggests **in vivo expansion AND persistence** of cells

Registrational Trial Design

Registrational Phase 2 Trial

$\gamma\delta$ T Cells Maintenance Therapy in AML Patients Undergoing Haploidentical Transplant

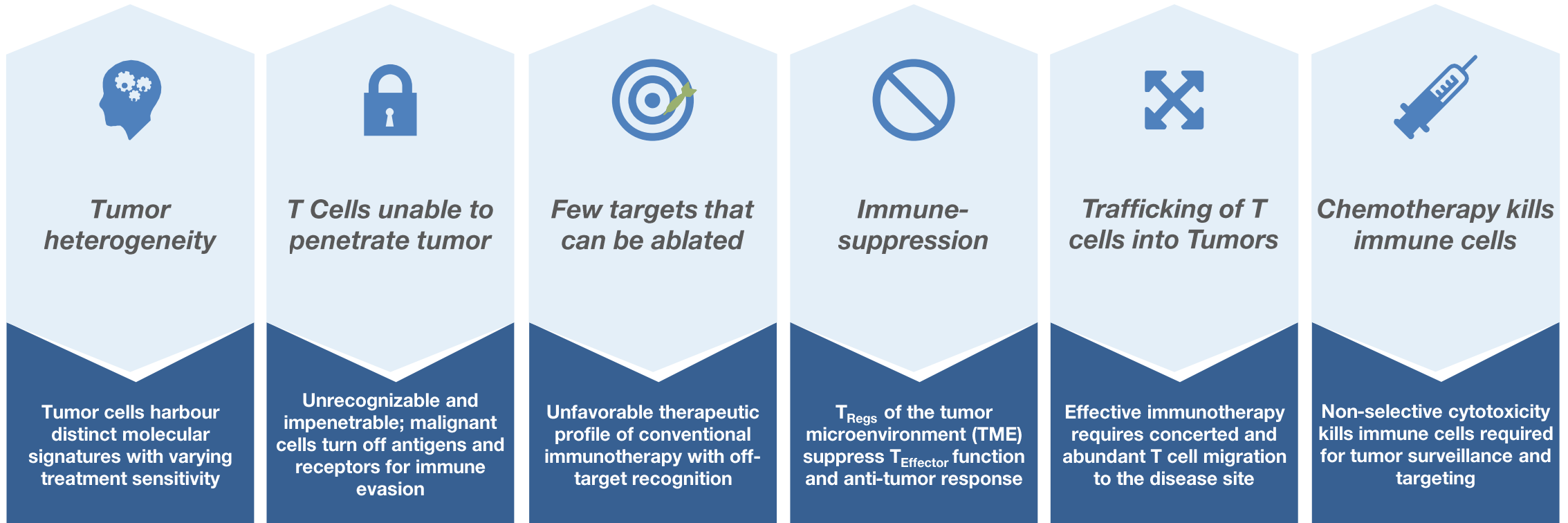


The background of the slide features a microscopic view of tumor cells. The cells are shown as dense, irregular clusters with a granular texture. The color palette transitions from a deep blue on the left to a light green on the right. On the far left, there are faint, stylized circular patterns in shades of blue and white, resembling a molecular or cellular structure.

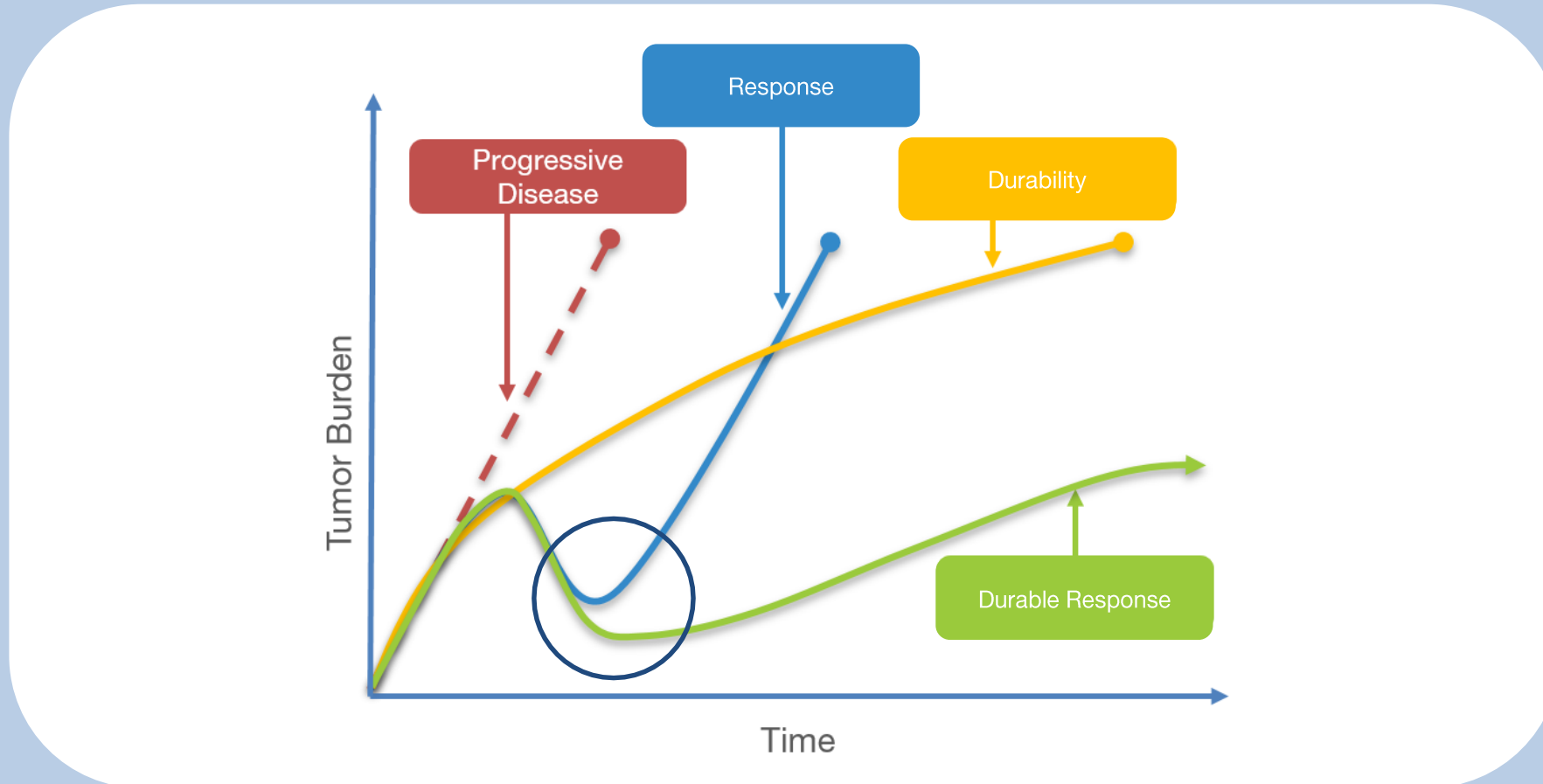
Targeting Solid Tumor Cancers

Shortfalls of Conventional Cell Therapies in Solid Tumors

CAR-Ts have demonstrated efficacy in blood cancers but have not had similar results in solid tumors



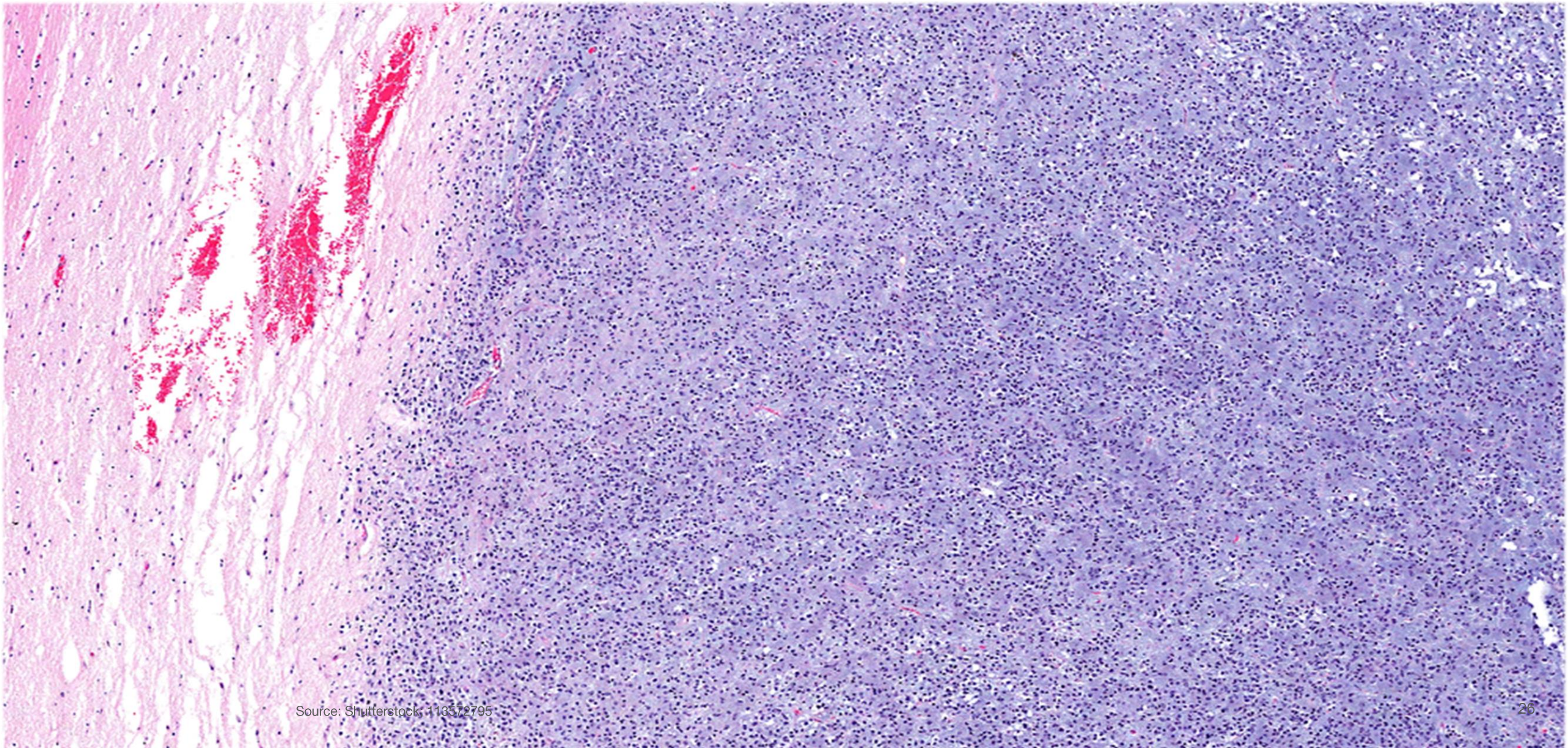
Targeting Cancers by Driving Deeper Responses



$\gamma\delta$ T cells Genetically Engineered to Survive Chemotherapy Induced Cell Death

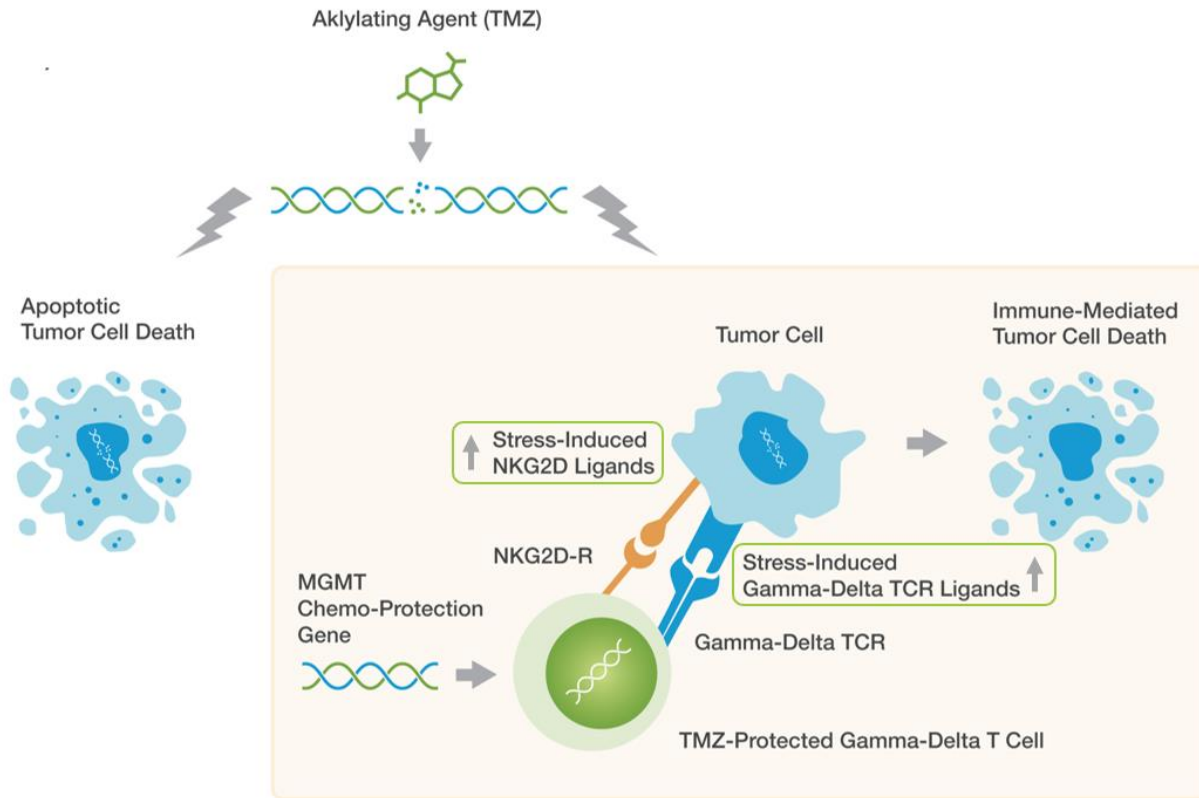
Overcoming Challenges to Targeting Solid Tumors

Glioma



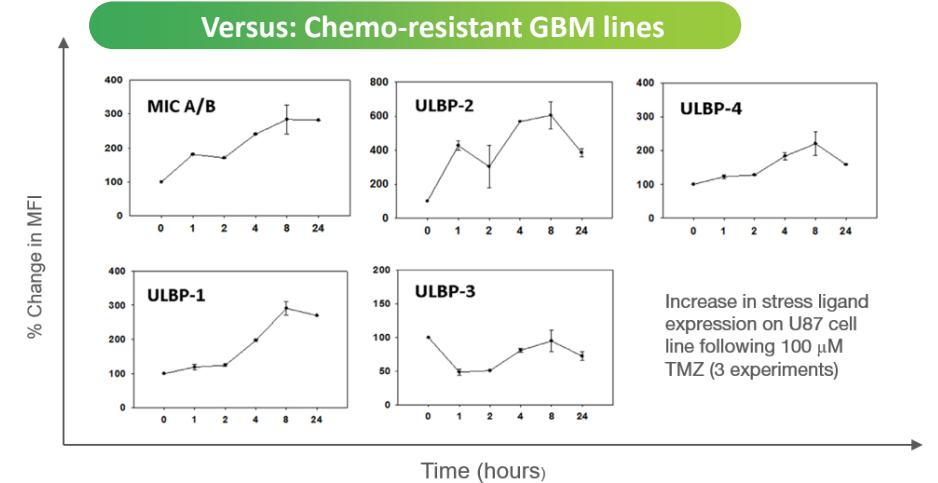
Targeting the DNA Damage Response (DDR) to Kill Tumors

DDR is a biological process that can detect and eliminate cells with DNA damage through increased avidity

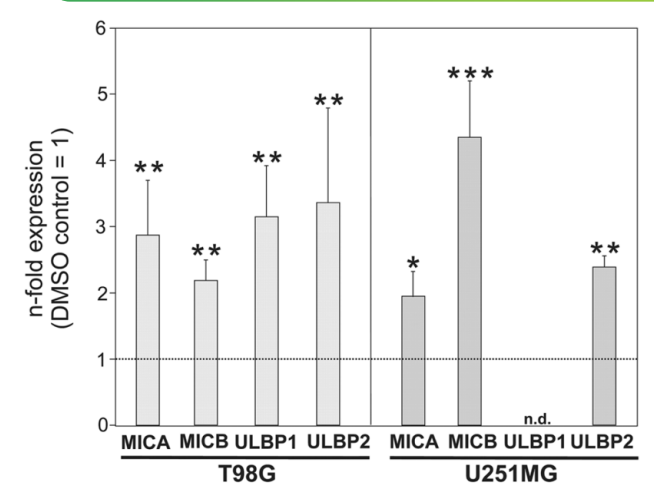


DRI gamma-delta T cell mechanism overview

TMZ Increases NKG2D-L Expression:



Versus: Glioma stem-like cells



Peer Reviewed Pre-Clinical Data for INB-200/400 Published

scientific reports

 Check for updates

OPEN

A combined treatment regimen of MGMT-modified $\gamma\delta$ T cells and temozolomide chemotherapy is effective against primary high grade gliomas

Lawrence S. Lamb^{1✉}, Larisa Pereboeva¹, Samantha Youngblood¹, G. Yancey Gillespie², L. Burton Nabors³, James M. Markert², Anindya Dasgupta⁴, Catherine Langford² & H. Trent Spencer⁴

Chemotherapeutic drugs such as the alkylating agent Temozolomide (TMZ), in addition to reducing tumor mass, can also sensitize tumors to immune recognition by transient upregulation of multiple stress induced NKG2D ligands (NKG2DL). However, the potential for an effective response by innate lymphocyte effectors such as NK and $\gamma\delta$ T cells that recognize NKG2DL is limited by the drug's concomitant lymphodepleting effects. We have previously shown that modification of $\gamma\delta$ T cells with a methylguanine DNA methyltransferase (MGMT) transgene confers TMZ resistance via production of O⁶-methylguanine DNA alkyltransferase (AGT) thereby enabling $\gamma\delta$ T cell function in therapeutic concentrations of TMZ. In this study, we tested this strategy which we have termed Drug Resistant Immunotherapy (DRI) to examine whether combination therapy of TMZ and MGMT-modified $\gamma\delta$ T cells could improve survival outcomes in four human/mouse xenograft models of primary and refractory GBM. Our results confirm that DRI leverages the innate response of $\gamma\delta$ T cells to chemotherapy-induced stress associated antigen expression and achieves synergies that are significantly greater than either individual approach.

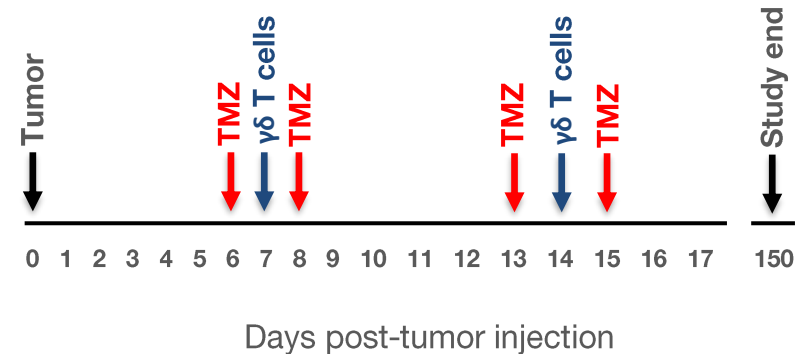
Dosing to Optimize DRI Therapy

- Optimal dosing for DRI combinations either to:
 - Sequence to preserve maximal number of gamma-delta T cells; or
 - Dose together to maximize expression of NKG2D ligands on the tumor surface
- TMZ has a $T_{1/2}$ of ~1.8 hours, a T_{max} of ~1 to 2.3 hours and remains in the plasma for 8+ hours
- TMZ has 100% oral bioavailability and availability of ~30 to 40% across the blood brain barrier
- NKG2DL on chemo-resistant tumors reach peak between 4 to 24 hours after chemo infusion

Dosing Regimen

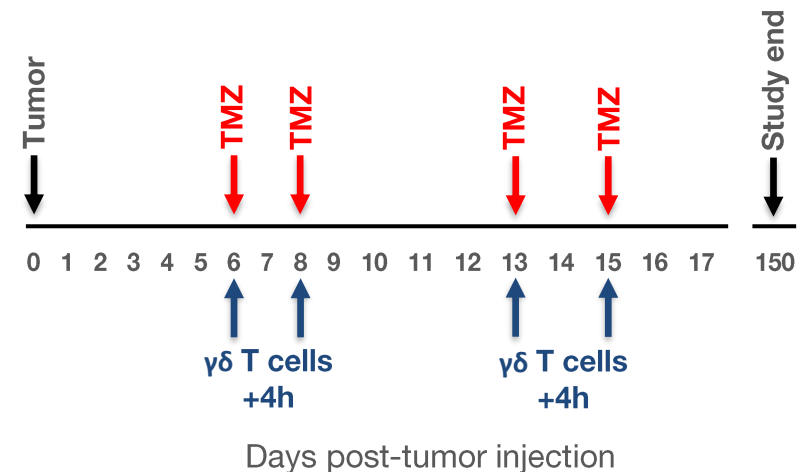
Condition 1

(preserves maximal number of $\gamma\delta$ T cells)



Condition 2

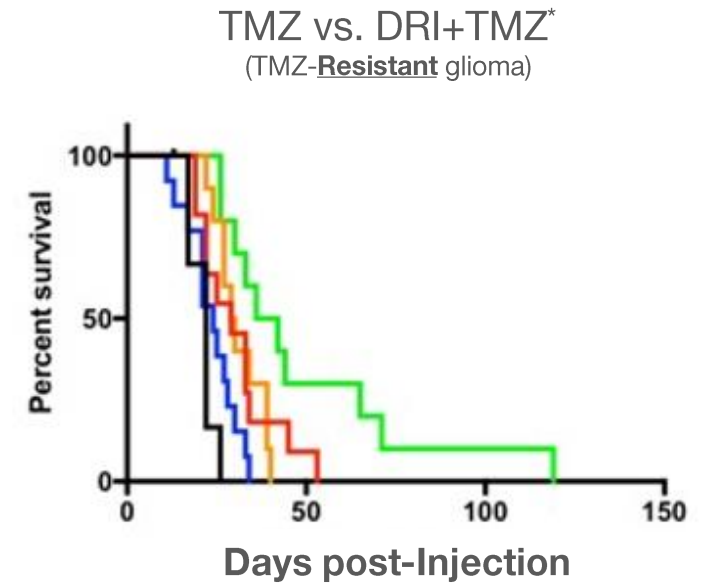
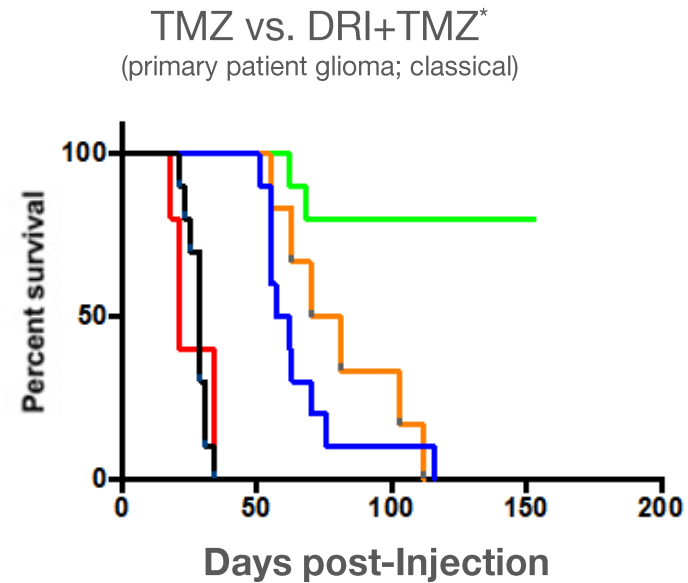
(takes advantage of maximum NKG2DL expression)



DRI in a Preclinical GBM Model

80% of animals show survival beyond 150-days with DRI combination in GBM

- DRI = TMZ + TMZ Resistant $\gamma\delta$ T cells dosed together
- Temodar (TMZ) increases cell surface expression of NKG2D ligands and sensitizes GBM cells to $\gamma\delta$ T cell lysis[^]
- In animals with TMZ resistant tumors, DRI showed 41% increased survival (38 vs. 27 days, $p=0.017$) confirming targeting via cell stress
- Data presented at EBMT 2017 (<https://goo.gl/16qPgs>)



- No Treatment
- $\gamma\delta$ T cells Alone
- Temodar
- DRI Condition 1
- DRI Condition 2

Targeting the DDR Pathway Eliminates Residual GBM

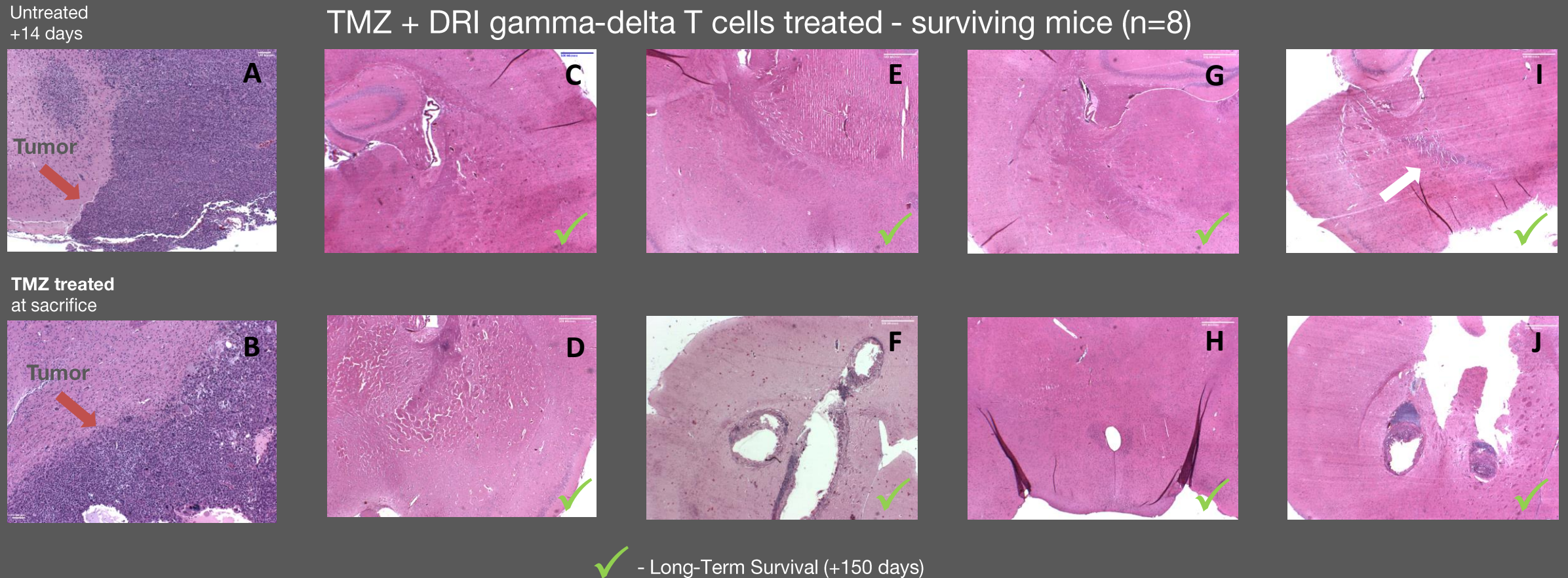


Figure 1: Digital light microscopic images from athymic nude mice that received intracranial injection of 5×10^5 GBM tumor cells derived from classical human patient GBM xenograft JX12P. Images (A) show hematoxylin and eosin (H&E) staining of tumor growth (dark purple - noted by red arrow) from untreated mice at +14 days following stereotactic tumor placement in the left caudate nucleus (4x); (B) was obtained at euthanasia following fatal tumor progression from a mouse treated with temozolomide (TMZ) (4x); (Images: C - J) surviving mice treated with TMZ + DRI $\gamma\delta$ T cells, 80% (n=8) demonstrated long-term survival (+150 days) following tumor placement, at the time of euthanasia these mice demonstrated improved survival with no observable neurologic dysfunction and are negative for H&E staining and the white arrow (I) points to scarring where residual necrotic tumor has been cleared.

A microscopic image showing several clusters of cells, likely glioblastoma (GBM), against a dark background. The clusters are spherical and composed of many small, individual cells. The image is overlaid with a semi-transparent blue and green gradient.

INB-200

DeltEx DRI Auto for GBM

Pursuing Treatment in GBM: Following the Biology

The biology shows us the multiple advantages of $\gamma\delta$ T cells in the solid tumor setting, particularly in glioblastoma, where patients have **very limited available treatment options**.



The brain offers a separate compartment that allows direct delivery of cells through a catheter directly to the site of the tumor, increasing E:T ratio and reducing the variable of cell trafficking.

As we move towards allogeneic cell therapy in the solid tumor setting it simplifies the challenges around dealing with host-versus-graft (HvG) effect and the persistence of the delivered cells.

The advantage of going into the brain is that it is one of three organ centers in the body historically considered immune-privileged.

In neuro oncology, the standard of care, Temodar, is lymphodepleting in itself. A separate lymphodepleting protocol such as Flu/Cy is not necessary.

INB-200: Study Design and Treatment Schema

Fixed dose level (DL) of DRI in a 3+3 design (N=18):

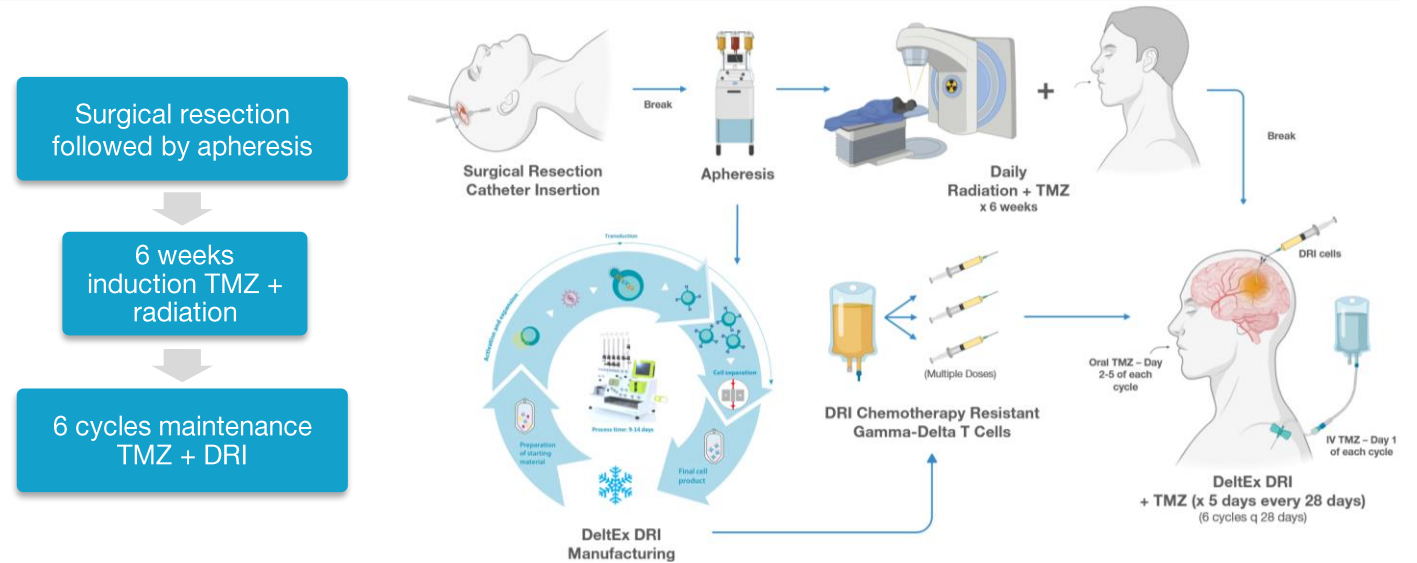
🔗 Treatment Arms

DL1: N = 3 (up to 6) patients, single dose of 1×10^7 cells on C1D1

DL2: N = 3 (up to 6) patients, three doses of 1×10^7 cells, one dose every 28 D1 of C1-C3

DL3: N = 3 (up to 6) patients, six doses of 1×10^7 cells, one dose every 28 days on D1 of C1-C6

📅 Treatment Regimen & Timing



🎯 Primary Endpoints

- Safety
- Maximum tolerated dose (MTD) of DeltEx DRI in two dose frequencies

🔍 Secondary Endpoints

- Time to progression
- Overall survival
- Biologic response

Poor Survival and Standard of Care Hasn't Changed in 18 Years



The NEW ENGLAND
JOURNAL of MEDICINE

ORIGINAL ARTICLE

Radiotherapy plus Concomitant and Adjuvant Temozolomide for Glioblastoma

Roger Stupp, M.D., Warren P. Mason, M.D., Martin J. van den Bent, M.D., Michael Weller, M.D., Barbara Fisher, M.D., Martin J.B. Taphoorn, M.D., Karl Belanger, M.D., Alba A. Brandes, M.D., Christine Marosi, M.D., Ulrich Bogdahn, M.D., Jürgen Curschmann, M.D., Robert C. Janzer, M.D., *et al.*, for the European Organisation for Research and Treatment of Cancer Brain Tumor and Radiotherapy Groups and the National Cancer Institute of Canada Clinical Trials Group*

- N = 573
- Median age 56 (range 19-71)
- PS 2 only 12%
- RT+TMZ median OS 14.6 months
- RT+TMZ median PFS 6.9 months (95% CI 5.8-8.2)
 - MGMT methylated 10.3 months
 - **MGMT unmethylated 5.3 months**

ORIGINAL ARTICLE

Short-Course Radiation plus Temozolomide in Elderly Patients with Glioblastoma

James R. Perry, M.D., Normand Laperriere, M.D., Christopher J. O'Callaghan, D.V.M., Alba A. Brandes, M.D., Johan Menten, M.D., Claire Phillips, M.B., B.S., Michael Fay, M.B., Ch.B., Ryo Nishikawa, M.D., J. Gregory Cairncross, M.D., Wilson Roa, M.D., David Osoba, M.D., John P. Rossiter, M.B., B.Ch., *et al.*, for the Trial Investigators*

- N = 562
- Median age 73 (range 65-90)
- PS 1 – 54%; PS 2 – 23%
- RT+TMZ median OS 9.3 months
- RT+TMZ median PFS 5.3 months
 - MGMT methylated 7.9 months
 - **MGMT unmethylated 4.8 months**

Demographics and Efficacy

| Subject | Age / Sex | Cytogenetics | Dose level | Resection | TMZ Maint. Cycles Received | Response | PFS (mos) | OS (mos) |
|---------|-----------|-----------------------------|------------|-----------|----------------------------|-------------|-----------|-------------------------------|
| 001 | 68 / M | IDH-WT, MGMT-unmethylated | 1 | Total | 5 | SD | 8.3 | 15.6 Died from sepsis |
| 003 | 74 / F | IDH-WT, MGMT-methylated | 1 | Total | 6 | SD | 11.9 | 17.7 |
| 004 | 21 / F | IDH-WT, MGMT-unmethylated | 1 | Total | 3 | SD | 7.4 | 9.6 |
| 007 | 74 / M | IDH-WT, MGMT-unmethylated | 2 | Total | 2 | Unevaluable | - | 5.1 Died w/out progression |
| 009 | 32 / M | IDH-mutant, MGMT-methylated | 2 | Total | 12 | SD | 37.9+ | Alive |
| 011 | 56 / F | IDH-WT, MGMT-methylated | 2 | Total | 6 | SD | 22.2 | 28.6 |
| 014 | 73 / F | IDH-WT, MGMT-unmethylated | 2 | Subtotal | 6 | SD | 8.7 | 8.7 Died w/out progression |
| 015 | 73 / M | IDH-WT, MGMT-methylated | 3 | Subtotal | 5 | SD | 7.1 | 11.8 |
| 017 | 74 / F | IDH-WT, MGMT-methylated | 3 | Subtotal | 3 | SD | 15.7+ | Alive |
| 020 | 66 / M | IDH-WT, MGMT-methylated | 3 | Subtotal | 6 | SD | 13.8+ | Alive |
| 021 | 57 / M | IDH-WT, MGMT-unmethylated | 3 | Total | 5 | SD | 12.3+ | Alive |
| 022 | 53 / M | IDH-WT, MGMT-unmethylated | 3 | Subtotal | 3 | SD | 9.5+ | Alive |
| 023 | 52 / M | IDH-WT, MGMT-unmethylated | 3 | Subtotal | 1 | PD | 4.2 | 5.4 |

- Median age: 68
- 54% unmethylated
- 23 enrolled, five products unable to be manufactured
- Of 13 treated, 5 remain in follow-up
- 8 deaths:
 - 7 due to PD or disease-related issues
 - Other:
 - Cardiac event (007)

Patient 009 – Surpassing Expectations for IDH-mut Glioma

The NEW ENGLAND JOURNAL of MEDICINE

RESEARCH SUMMARY

Vorasidenib in IDH1- or IDH2-Mutant Low-Grade Glioma

Mellinghoff IK et al. DOI: 10.1056/NEJMoa2304194

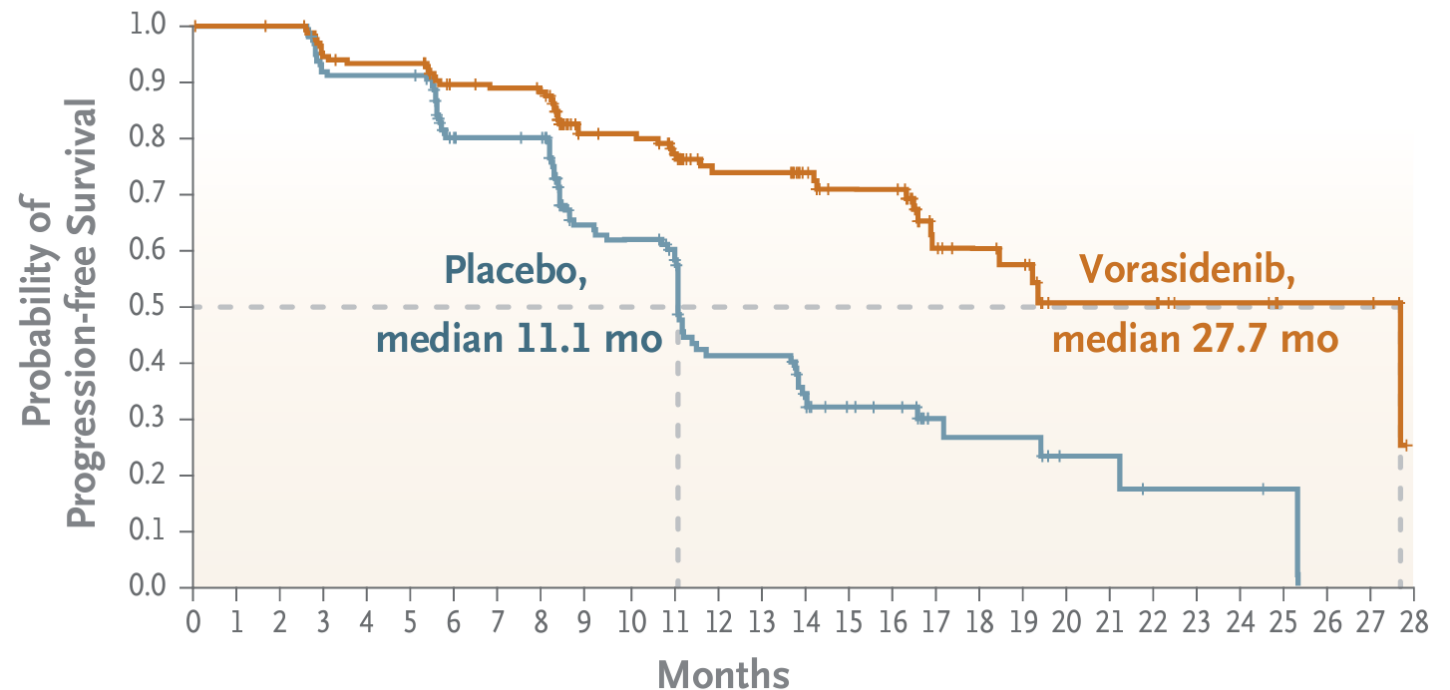
CLINICAL TRIAL

Design: This phase 3, double-blind, randomized, placebo-controlled trial tested the clinical effects of vorasidenib — an oral brain-penetrant inhibitor of mutant IDH1 and IDH2 enzymes — in patients with residual or recurrent grade 2 IDH-mutant glioma who had undergone surgery as their only previous treatment.

Intervention: 331 patients were assigned to receive oral vorasidenib (40 mg once daily) or matched placebo in 28-day cycles. The primary end point was imaging-based progression-free survival.

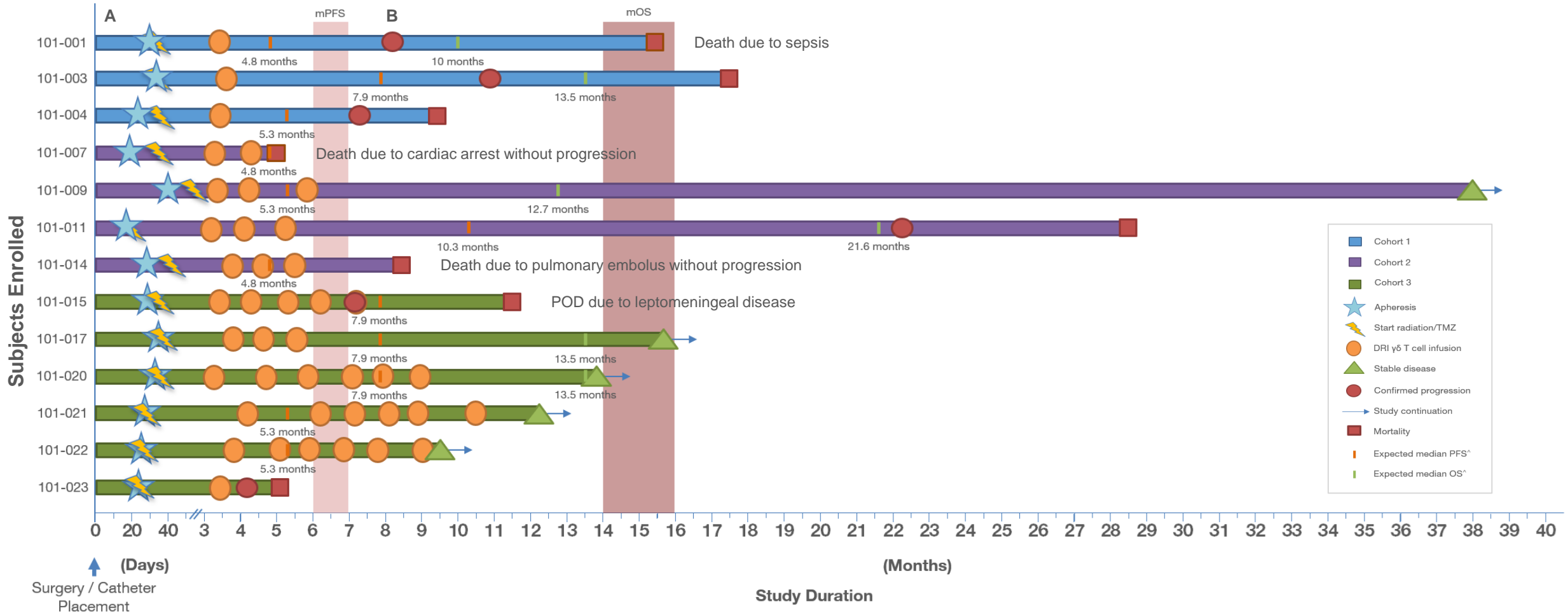
Progression-free Survival

HR for disease progression or death, 0.39 (95% CI, 0.27–0.56); $P < 0.001$



92%* Exceeding Stupp Regimen Median PFS of 7 months

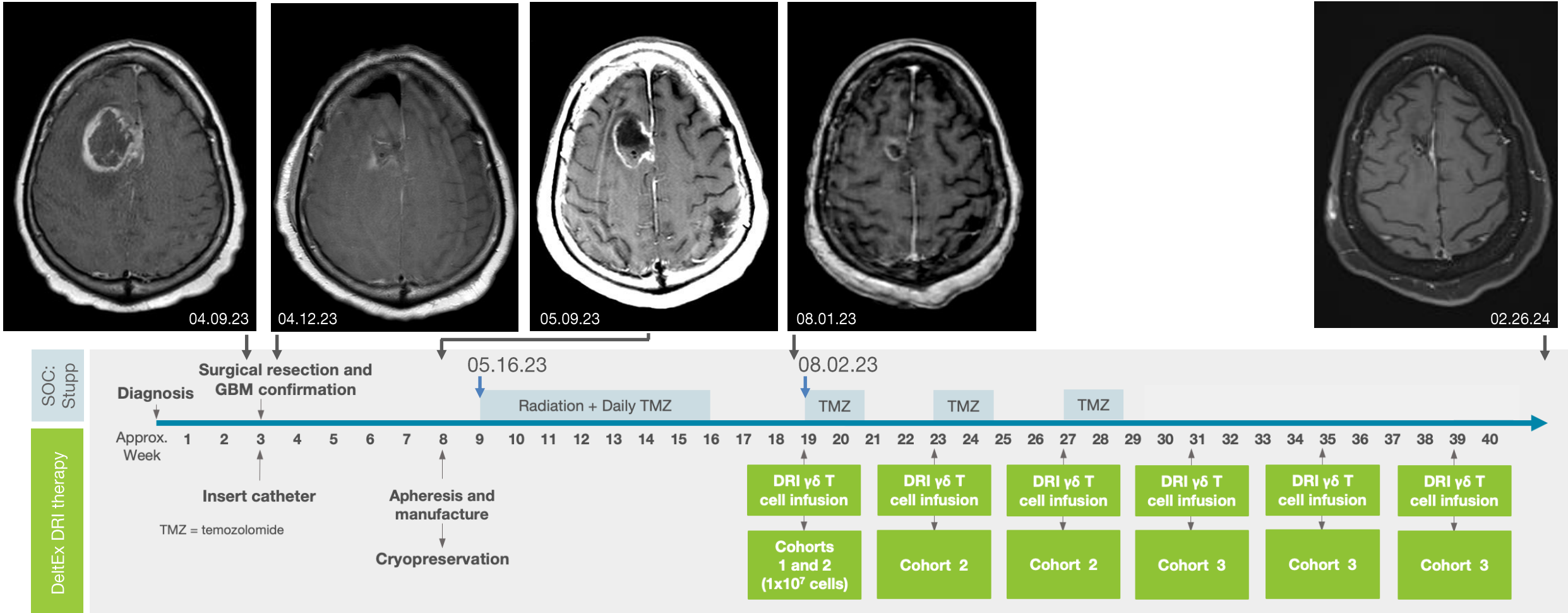
Median Follow-up: 12.3 months



Note: *Of Evaluable Subjects; POD = progression of disease; As of August 1, 2024; Source: ^NEJM 2005; 352:987-996 & 352:997-1003 DOI: 10.1056/NEJMoa043330, DOI: 10.1056/NEJMoa043331; NEJM 2017; 376:1027-1037 DOI: 10.1056/NEJMoa1611977; X Not yet treated; Early trial results are not indicative of future results, including the outcome of this trial.

Patient 017 – Female 77y, IDH-wt, MGMT-methylated

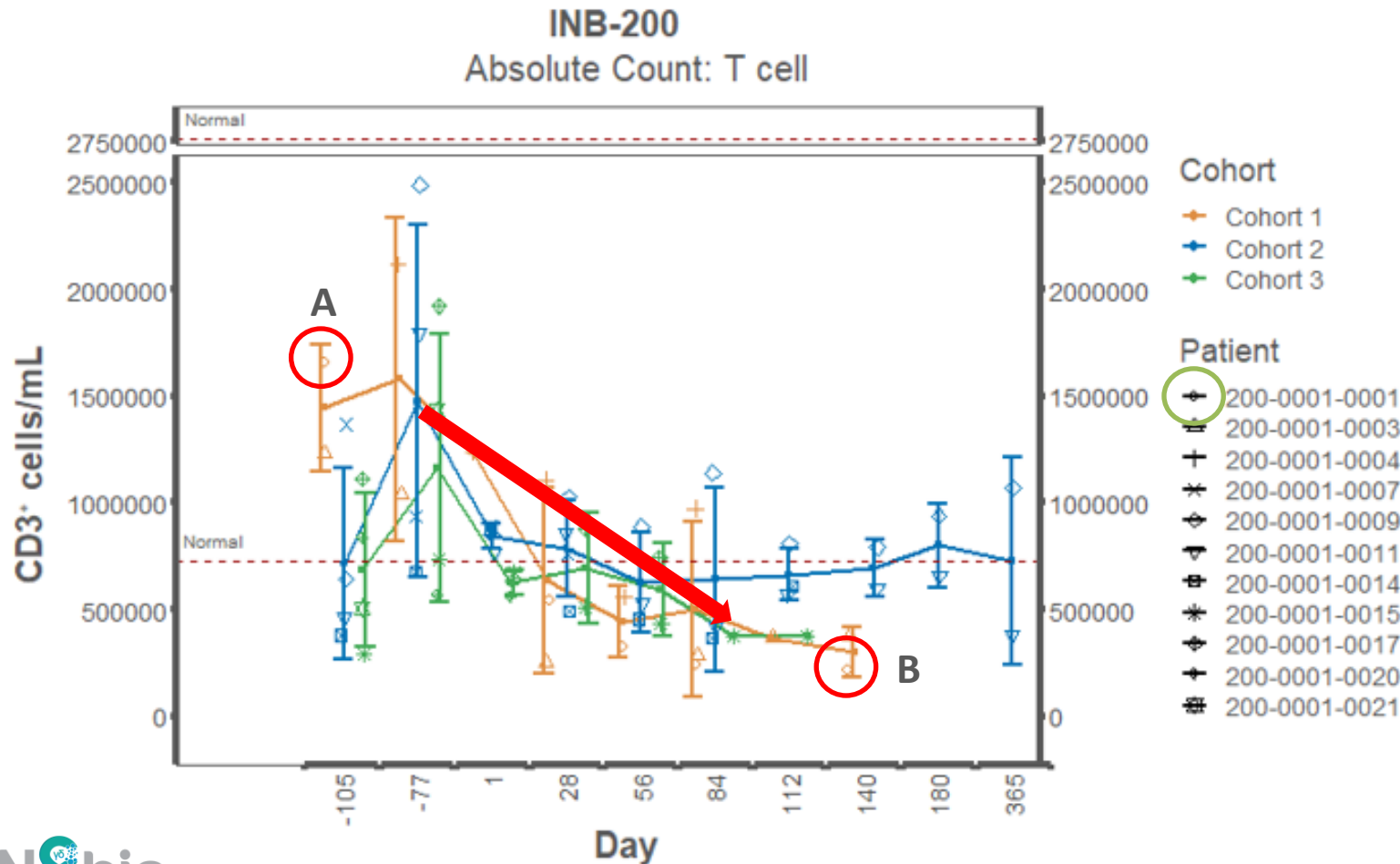
Remains alive and relapse-free at 12.7+ months; “Demonstrated continued slight decrease in size of heterogenous enhancing lesions and decrease in size of nodular enhancing component”



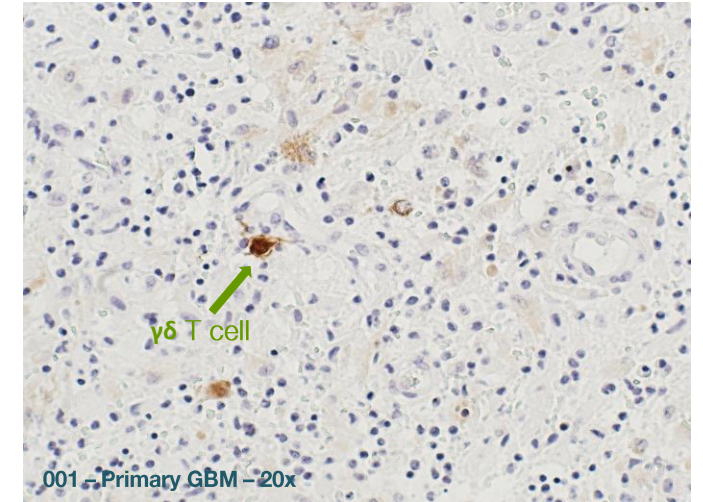
Results from one patient are not indicative of future results including the outcome of this trial
 Source: IN8bio and UAB

$\gamma\delta$ T Cells are Infiltrating and Persisting in Tumor Tissue

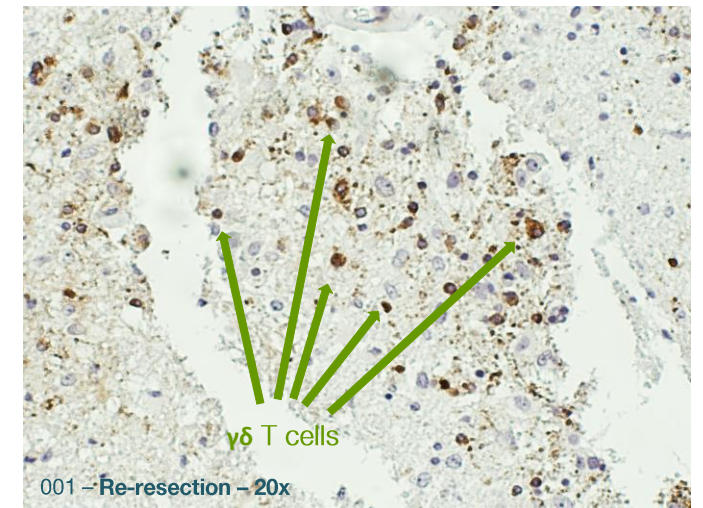
Preserved $\gamma\delta$ cells in relapsed tumor 148 days post-DRI infusion despite significant peripheral lymphodepletion in patient 001



Biopsy A: at diagnosis



Biopsy B: at relapse, 148 days after single dose



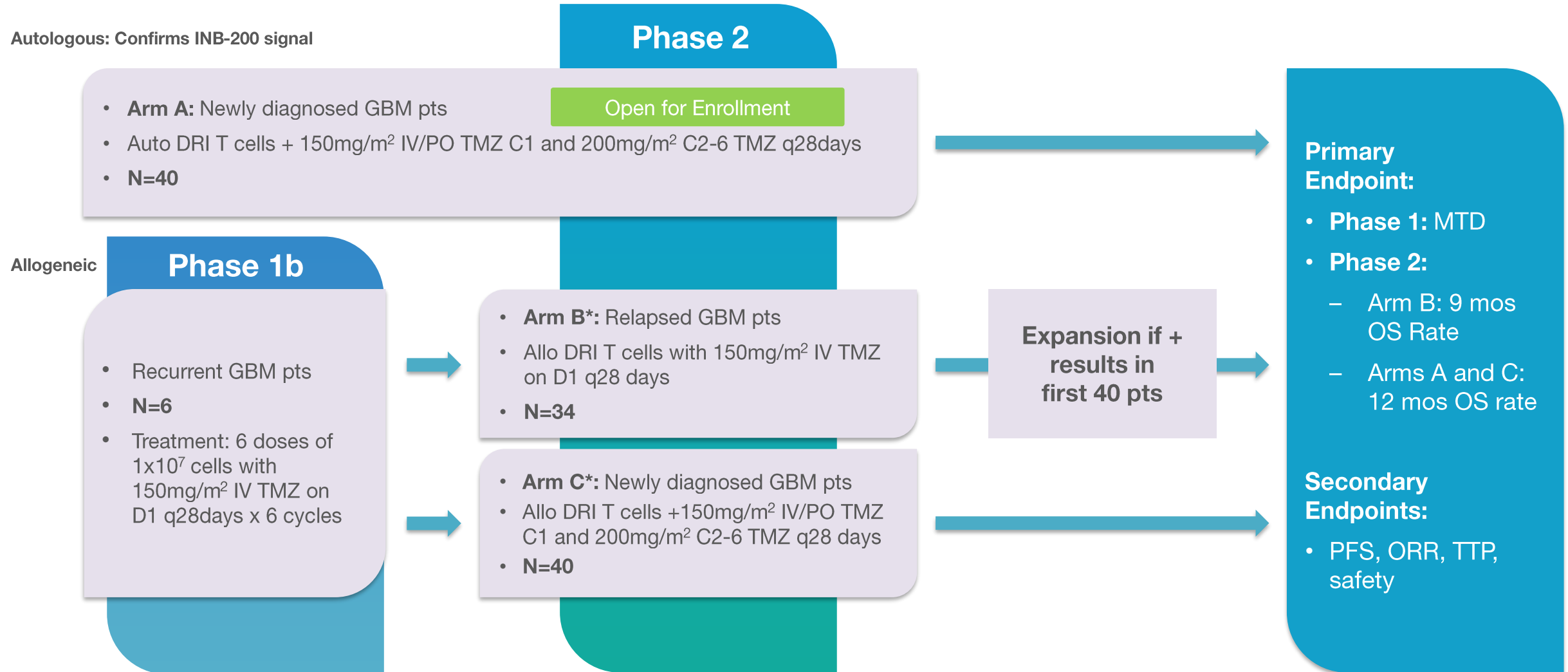
A microscopic view of brain cells, showing several large, spherical, textured structures. The background is a gradient of blue and green, with a dark blue circular pattern on the left side.

INB-400

DeltEx DRI for GBM

Phase 2 – “Arm A” Enrolling Newly Diagnosed GBM Patients

INB-400: Study Design and Treatment Schema



Corporate

Historical & Anticipated Milestones Across Pipeline[^]

Balance Sheet

(as of June 30, 2024)

- Cash of ~\$10.2M
 - Provides runway into 1Q25
 - Potential for up to ~\$33M in additional capital at increasing valuations from convertible securities issued in 4Q23
 - \$0 debt
 - \$108.2M accumulated deficit on \$122.0M raised
-
- Ticker: **INAB**
 - 46.8 million common shares outstanding as of August 1, 2024

2023 **2H**

- INB-100 ✓ 100% of Patients in Phase 1 leukemia trial in mCR (ASH Dec. 11, 2023)
- INB-200 ✓ Additional Phase 1 data (cohorts 2 & 3) in GBM (SNO Nov. 17, 2023)
- INB-300 ✓ Positive preclinical data demonstrated proof-of-concept of nsCAR CD33 platform @ R&D Day
- INB-400 ✓ Initiation of enrollment of first patient in 2H23
- INB-500 ✓ iPSC development update (SITC Nov. 4, 2023)

2024

- INB-100 ✓ Enroll patients in expansion cohort at DL 2
 - Report long-term follow-up results at multiple medical meetings in 2024
 - Potentially submit IND for registrational RCT trial in AML
- INB-200 ✓ Completion of Phase 1 enrollment
 - Long-term follow-up results at multiple medical meetings in 2024
- INB-300 ✓ Updated proof-of-concept data on nsCAR platform targeting AML at American Association for Cancer Research (AACR) 2024
- INB-400 ✓ Dose first patient in 1H24
 - Potentially submit IND for Allo Phase 1b in relapsed GBM in 2025

[^]Timing of next anticipated milestones are estimates based on the successful raise of additional capital to fund our programs and subject to change

IN8bio Harnessing the Power of $\gamma\delta$ T Cells



- Utilizing innovative approaches to efficiently advance our programs
- Demonstrating the ability to execute and to build our business methodically and intentionally
- Pursuing rigorous science to achieve better patient outcomes
- Completed enrollment in INB-100 and INB-200 Phase 1 trials
- Actively enrolling patients in INB-400 Phase 2 trial
- Near-term value creating milestones with presentations and clinical data updates at medical meetings throughout 2024 and 2025

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Cancer Zero™

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