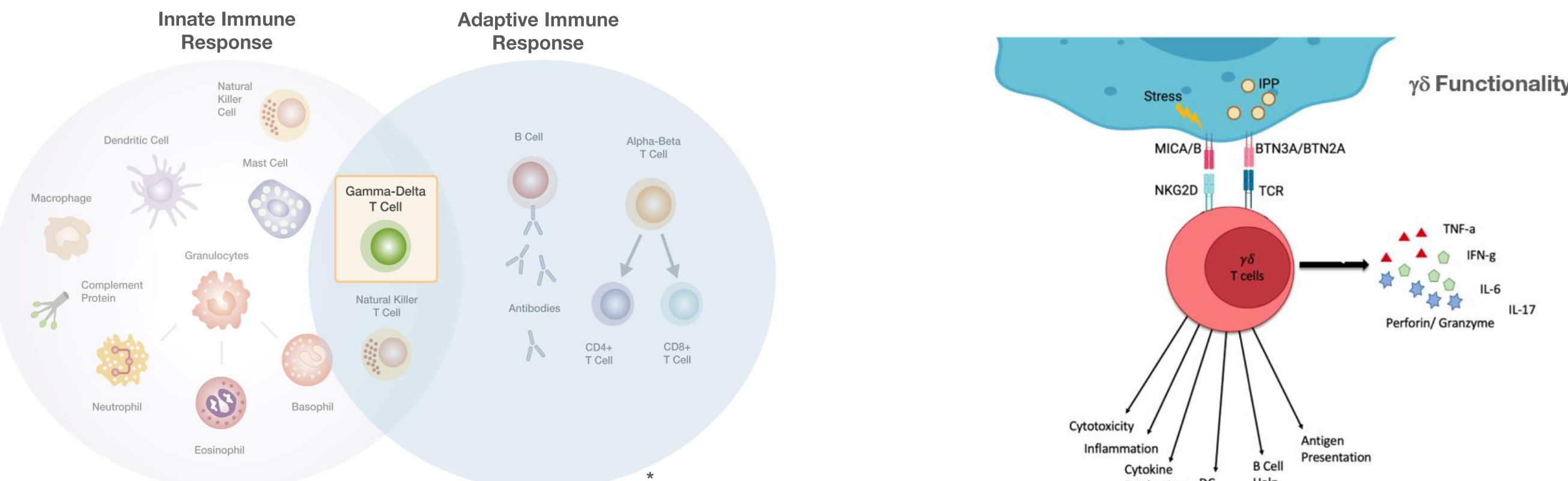




Background

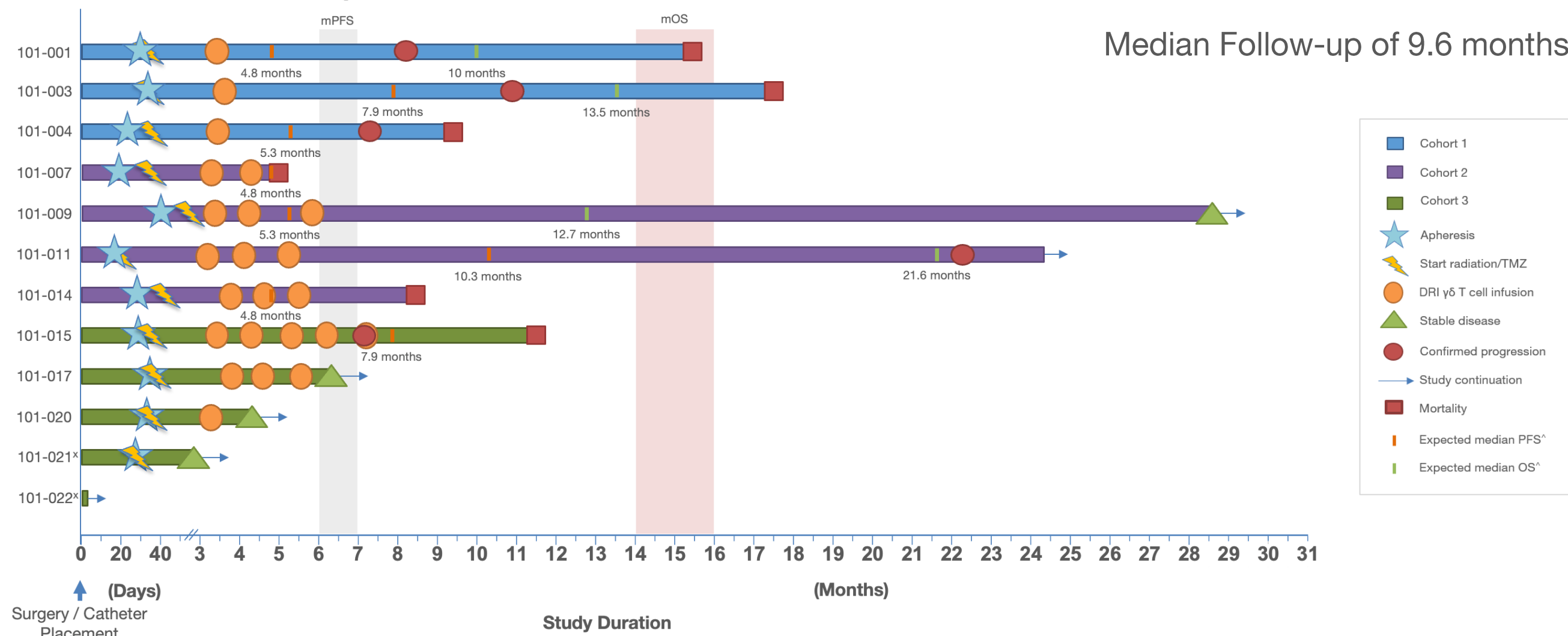
Gamma-delta ($\gamma\delta$) T cells are powerful immune cells with properties of both the innate and adaptive immune system. They express both a gamma-delta T cell receptor (TCR) and NKG2D-receptor, allowing them to target and kill unhealthy cells, including cancer cells. This is achieved through the recognition of membrane receptors such as the stress-induced NKG2D ligands, which are upregulated on tumor cells after chemotherapy exposure. IN8bio's proprietary DeltEx drug resistant immunotherapy (DRI) platform uses genetic engineering to express the protein O-6-methylguanine-DNA methyltransferase (MGMT) to generate gamma-delta T cells that are resistant to the lymphodepleting effects of alkylating chemotherapies such as temozolomide (TMZ). This approach allows for synergistic combinations of standard-of-care chemotherapy regimens for GBM with DeltEx DRI gamma-delta T cells to potentially strengthen immune response and eliminate cancer cells.



Source: ¹adapted with permission from Danoff et al. Nature Rev. Clin. Jan. 2004; 10: 1-11, ²vonMassow G. Front. Immunol. doi: 10.3389/fimmu.2021.741218

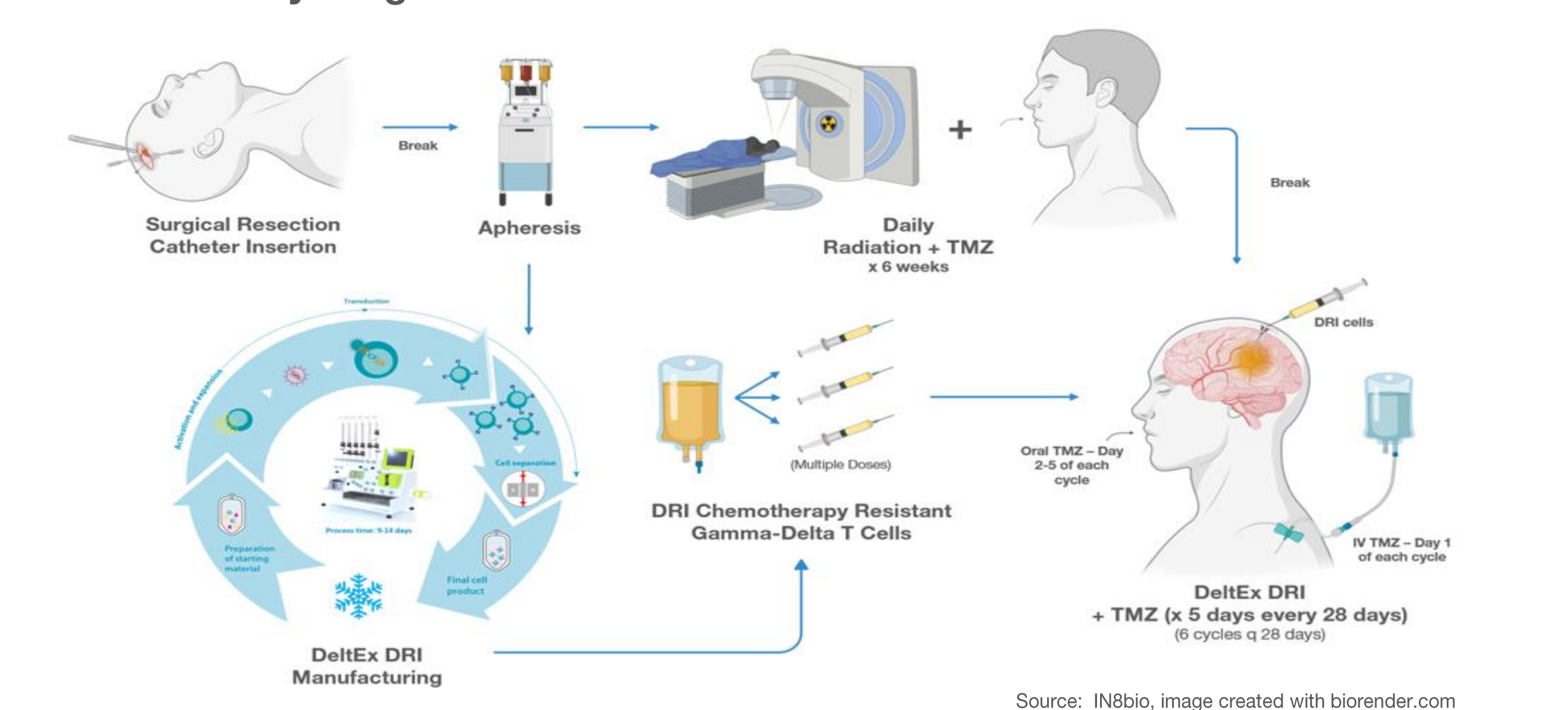
- INB-200, a Phase 1 trial assessing the safety of autologous DeltEx DRI gamma-delta T cells co-administered with maintenance chemotherapy has demonstrated manageable safety and evidence of prolongation of progression-free survival (PFS) in newly diagnosed GBM patients.
- All fully dosed patients have exceeded the median PFS of 7 months for standard-of-care with 1 patient remaining progression free at 28.5 months.
- Furthermore, the majority of treated patients have exceeded their expected PFS based on the age and MGMT status of their tumors.
- Based on this, a Phase 2 corporate sponsored multi-center trial was launched to verify this signal and a Phase 1b/2 trial to assess the safety and efficacy of allogeneic DeltEx DRI from matched related or haploidentical donors in both newly diagnosed and relapsed GBM patients.

INB-200: Durability Observed



Note: *PDD = progression of disease; As of Oct. 20, 2023; Source: ¹NEJM 2005; 352:987-996 & 352:997-1003 DOI: 10.1056/NEJMoa043330, DOI: 10.1056/NEJMoa043331; NEJM 2017; 376:1027-1037 DOI: 10.1056/NEJMoa1611977; Early trial results are not indicative of future results, including the outcome of this trial.

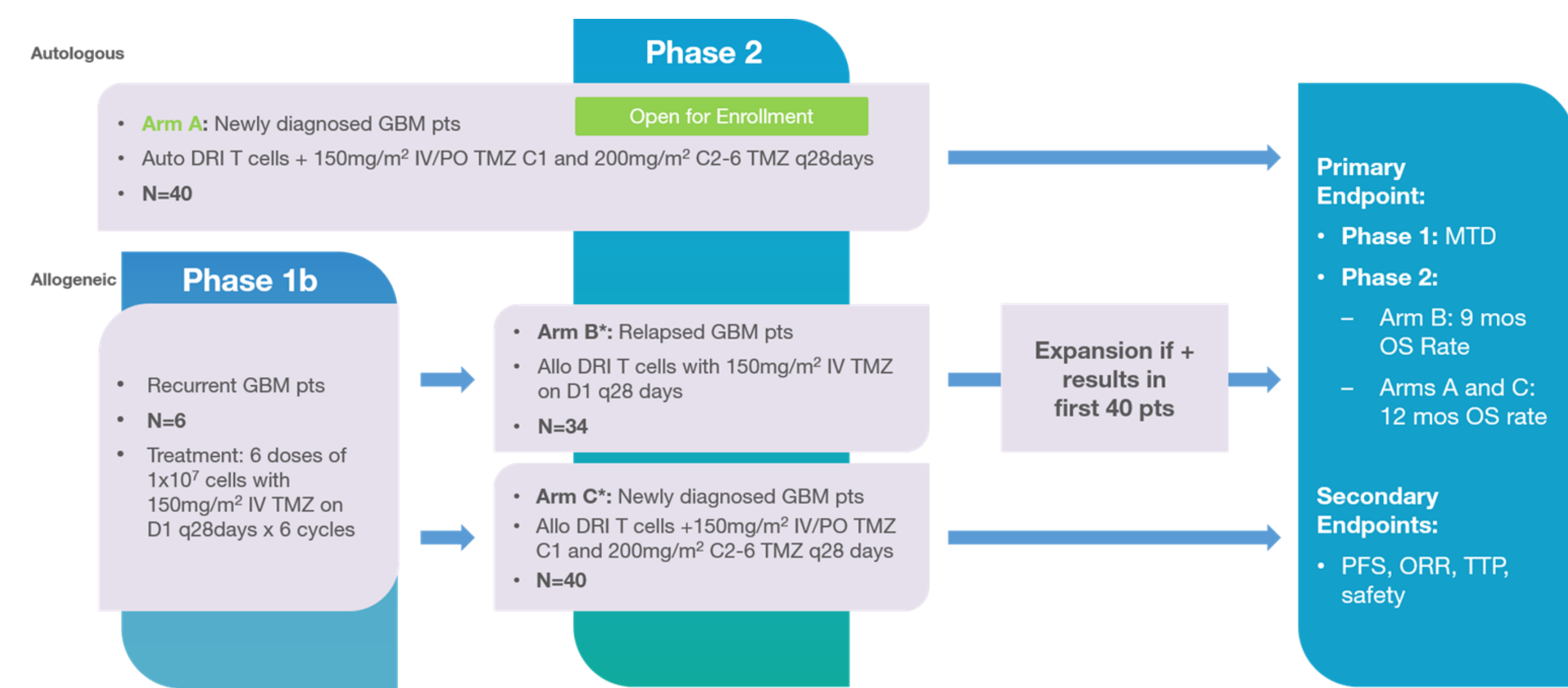
INB-400 - Newly Diagnosed Patient Treatment Protocol



Source: IN8bio, image created with biorender.com

Background (Continued)

INB-400: Study Design and Treatment Schema



*Arm B and C subject to additional IND for allogeneic drug product (INB-400) as per FDA Guidance for Industry updated Nov. 2022 (<https://clinicaltrials.gov/ct2/show/NCT05664243>)

Primary Objectives

- AUTOLOGOUS ARM:**
Phase 2 (Arm A):
- To assess the clinical efficacy of autologous DeltEx DRI gamma-delta T cells in subjects with newly diagnosed glioblastoma
- ALLOGENEIC ARMS:**
Phase 1b:
- To assess the safety and tolerability of allogeneic DeltEx DRI gamma-delta T cells in subjects with relapsed glioblastoma
 - To assess the feasibility to manufacture cell product
- Phase 2 (Arm B and Arm C):
- To assess the clinical efficacy of DeltEx DRI gamma-delta T cells in subjects with newly diagnosed glioblastoma and relapsed glioblastoma

Secondary and Exploratory Objectives

- Secondary: Phase 1b and Phase 2 (Autologous Arm and Allogeneic Arms)**
- To assess the safety and tolerability of DeltEx DRI cells
 - To assess durability of response
 - To assess the feasibility to manufacture cell product in the Phase 2
- Exploratory: Phase 1b and Phase 2 (Autologous Arm and Allogeneic Arms)**
- To characterize the in-situ biologic activity and immunologic activity of DeltEx DRI T cells
 - To characterize the local and systemic immune response to DeltEx DRI T cells

Endpoints

- Primary:**
Autologous Arm
- Phase 2
 - Arm A: 12 months overall survival (OS) rate
- Allogeneic Arms:**
- Phase 1b:
 - Establish RP2D for Phase 2 allogeneic arms
 - Define subject or product characteristics that will optimize manufacturing
 - Phase 2
 - Arm B: 9 months OS rate
 - Arm C: 12 months OS rate
- Secondary:**
- Autologous Arm and Allogeneic Arms
 - Assess adverse events, serious adverse events, vital signs, and laboratory
 - ORR, PFS, DOR
 - Define subject or product characteristics that will optimize manufacturing in Phase 2
- Exploratory:**
- Phase 1b and 2 (Arms A to C)
 - Changes in cytokines, immune cell reconstitution, composition and functional status over the course of therapy

Inclusion Criteria

- Adult subjects with histologically or cytologically confirmed history of IDH wild type GBM
- Phase 1b and Arm B of Phase 2: must have completed no more than 1 standard therapy for glioblastoma, have received no prior Avastin® therapy (unless solely used for edema management) and be eligible for resection
 - Arms A and C: must have newly diagnosed, treatment naïve GBM
 - Phase 1b and Arm B and Arm C: must have a partially matched haploidentical or matched related donor
- MRI consistent with recurrent malignant glioma in Phase 1b and Arm B
- Agreeable to inserting and maintaining a Rickham catheter
- KPS \geq 70%
- Life expectancy of greater than 12 weeks
- Organ and marrow function:
 - WBC > 3,000/ μ L; ANC > 1,500/ μ L, Hemoglobin \geq 9.0 g/dL, Platelets > 100,000/ μ L
 - ALT/SGPT/AST/SGOT < 2.5 x institutional ULN; Tbil<1.5xULN
 - Normal electrolyte levels
 - INR/PT/aPTT \leq 1.5 x ULN
 - CrCl must be \geq 50 mL/min
 - Normal electrocardiogram (ECG); if abnormal, NCS
 - Appropriate contraception for men and women

Exclusion Criteria

- Subject in Arm A or donor from Phase 1b, Arms B, and Arm C received vaccinations within 4 weeks or underwent surgery (major or minor) within 72 hours before leukapheresis collection
- Subjects received/receiving any of the following:
 - Cellular immunotherapy or gene therapy or within 6 weeks prior to entering the study
 - Surgical resection or alkylating agent chemotherapy within 4 weeks prior to entering the study
 - Receiving TTF therapy
 - Have received experimental immunotherapy at any time or other investigational agents concurrently
 - Prior allogeneic therapy with bone marrow or solid tumor transplant
- Have not recovered from adverse events (\leq Grade 1) from previously administered therapy. Subjects with alopecia unless of immune origin may qualify
- Concurrent malignancy or 2 years disease free from prior malignancy.
- Contraindication to the placement of a Rickham catheter
- Prior history of encephalitis, multiple sclerosis, or other CNS infection <1 year prior to glioblastoma diagnosis
- Required steroid increase within 2 weeks of scheduled DRI EAGD T cells administration and receiving > 10 mg/day of prednisone or its equivalent
- Uncontrolled intercurrent illness including, but not limited to ongoing or active infection, HIV or active hepatitis or autoimmune disease
- Allergies/hypersensitivity to amino bisphosphonates such as Zoledronate®, Pamidronate® or similar

Enrolling Centers for INB-400

	Company/Hospital/ Institution	City (Investigator)
1	Board of Regents of the University of Wisconsin	Madison, WI
2	UCLA-Neuro-Oncology	Los Angeles, CA
3	University of Louisville Health Care - James Graham Brown Cancer Center	Louisville, KY
4	OSUWMC--James Cancer Hospital	Columbus, OH
5	The Preston Robert Tisch Brain Tumor Center (Duke)	Durham, NC
6	H. Lee Moffitt Cancer Center and Research Institute	Tampa, FL
7	Cleveland Clinic Foundation	Cleveland, OH
8	University of Alabama at Birmingham UAB - The Kirklind Clinic	Birmingham, AL
9	University of Minnesota	Minneapolis, MN
10	Yale University/Yale New Haven Hospital	New Haven, CT
11	UCSD Medical Center	La Jolla, CA
12	City of Hope	Duarte, CA

- Currently open sites
- Principal investigator site