

Notices and Disclaimers

This presentation has been prepared for use by Affini-T Therapeutics, Inc. ("we," "us" or "our"). This presentation is for informational purposes only and may not be reproduced or redistributed, in whole or in part, without our express written consent. We do not make any representation or warranty as to the accuracy or completeness of the information contained in this presentation.

This presentation contains statements regarding our pipeline products. All Affini-T pipeline products are investigational agents and their safety and efficacy have not been established by any regulatory authority or otherwise. There is no guarantee that they will be approved for commercial use or will become commercially available.

This presentation contains forward-looking statements that involve substantial risks and uncertainties. All statements, other than statements of historical facts, contained in this presentation, including statements regarding our operations and financial position, business strategy, product candidate development, research and development activities and costs, timing and likelihood of success of our business plans, plans and objectives of management, future results and timing of clinical trials, plans for regulatory submissions, treatment potential of our product candidates, and the market potential of our product candidates, are forward-looking statements. These statements 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. The words "anticipate," "believe," "estimate," "expect," "intend," "may," "might," "plan," "predict," "project," "target," "potential," "will," "would," "could," "should," "continue," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements we make. The forward-looking statements contained in this presentation reflect our current views with respect to future events, and we assume no obligation to update any forward-looking statements except as may be required by applicable law.

This presentation also includes statistical and other industry and market data that we obtained from industry publications and research, surveys and studies conducted by third parties as well as our own estimates of potential market opportunities. All of the market data used in this presentation involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such data. Industry publications and third party research, surveys and studies generally indicate that their information has been obtained from sources believed to be reliable, although they do not guarantee the accuracy or completeness of such information. Our estimates of the potential market opportunities for our product candidates include several key assumptions based on our industry knowledge, industry publications, third-party research and other surveys, which may be based on a small sample size and may fail to accurately reflect market opportunities. While we believe that our internal assumptions are reasonable, no independent source has verified such assumptions.

Unless otherwise indicated, all copyrights and trademarks used in this presentation are the property of their respective owners.





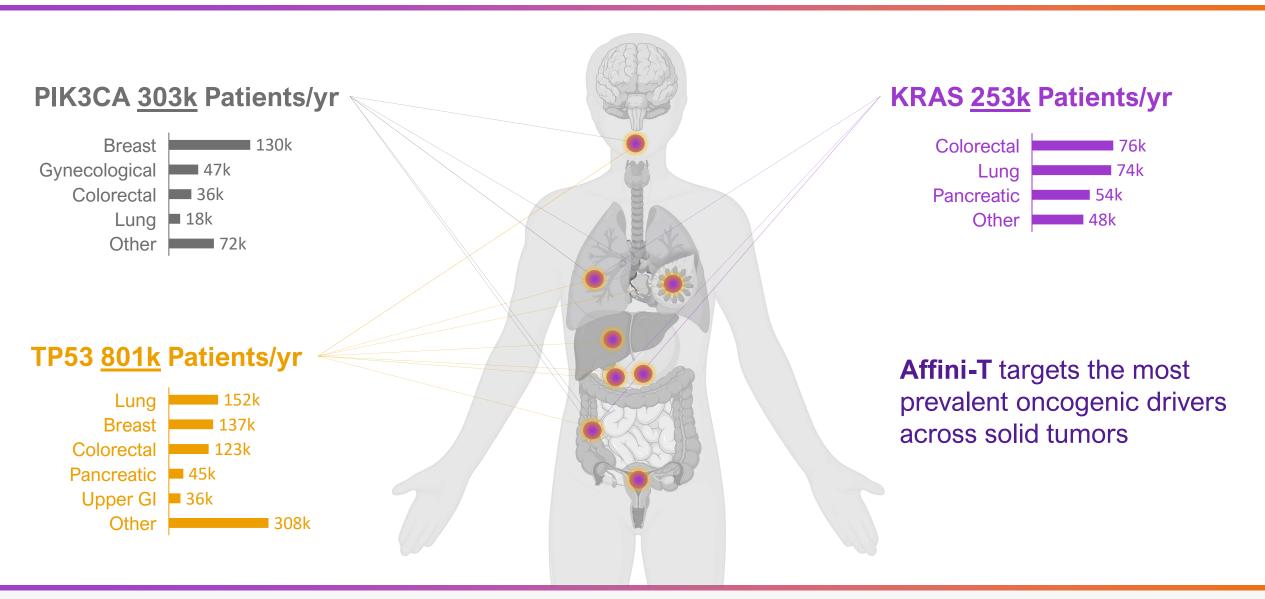
RIGHT TARGETS. RIGHT CELLS. RIGHT PLACE.

We target oncogenic driver mutations to deliver transformative therapies for patients with solid tumors

- Leader in Precision Immunotherapy developing a deep pipeline of TCR-based therapies that have first-in-class / best-in-class potential
- Focus on targeting the most frequent oncogenic driver mutations in solid tumors; including KRAS, NRAS, P53, and PIK3CA
- Proprietary platform technologies to build potent and persistent T cell therapies and generate bispecific T cell Engagers
- Science-driven team and founders focused on continued innovation to develop novel therapies with curative potential



Driver Mutations are Ubiquitous but Underutilized Targets for Treating Solid Tumors





Targeting Oncogenic Driver Mutations Like KRAS Strikes at the Core of Tumor Biology



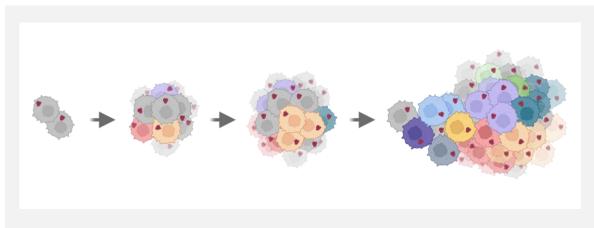
Cancer cells are <u>dependent</u> on oncogenic drivers for survival and proliferation



Oncogenic drivers are ubiquitously expressed in heterogeneous tumors



KRAS mutations are present in up to 30% of solid tumor malignancies

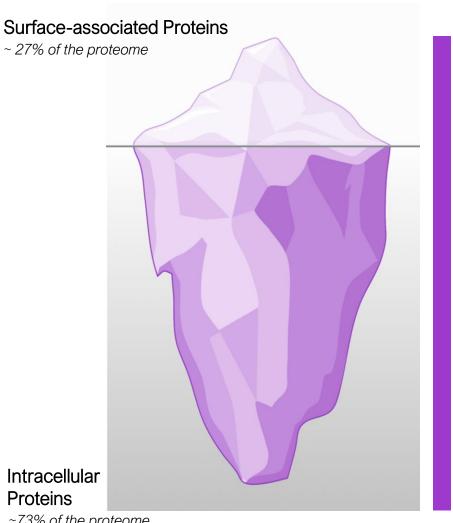


Solid tumors are heterogenous, but oncogenic driver mutations are conserved

Targeting KRAS has been clinically de-risked by approved G12C therapies, but depth and duration of response fall short and unmet need remains high



TCRs Enable Targeting of Intracellular & Hard-to-Drug Oncogenic Drivers



Conventional CAR cellular therapies & ADCs are limited to targeting surface proteins

TCR-based therapies enable precise targeting of intracellular proteins presented as epitopes on the cell surface

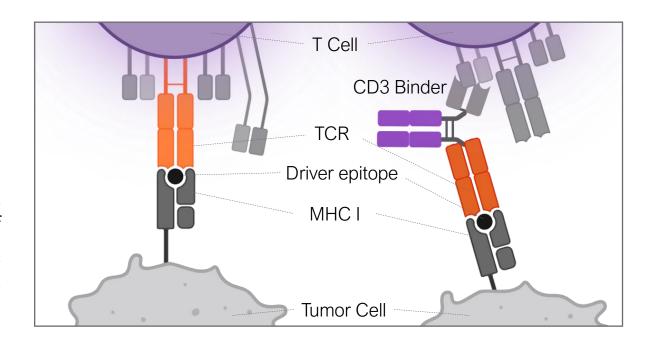
This allows direct targeting of hard-to-drug oncogenic drivers

~73% of the proteome

Affini-T is Developing Two TCR-Based Therapeutic Modalities

TCR-T Cell Therapies

T cells engineered with a transgenic TCR that allows recognition of specific driver mutant epitopes



Bispecific T Cell Engagers

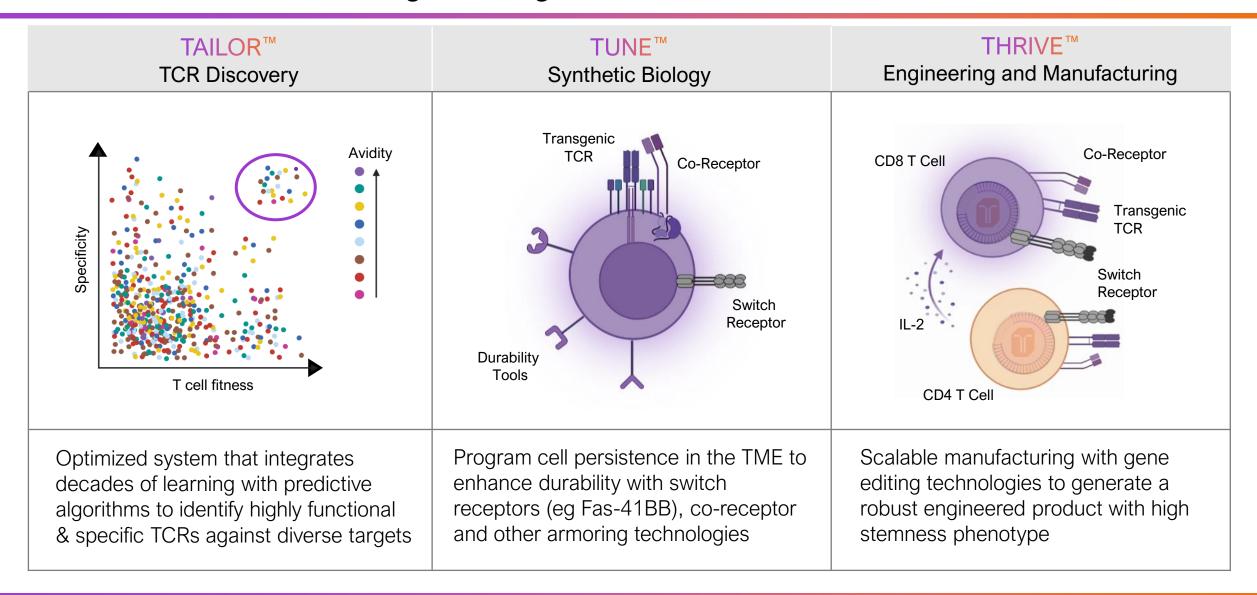
Bispecific biologics combining a TCR moiety to recognize the driver mutant epitope with a CD3 binding moiety to recruit endogenous T Cells



First-In-Class Potential for Multiple Products Targeting Oncogenic Drivers in Solid Tumors

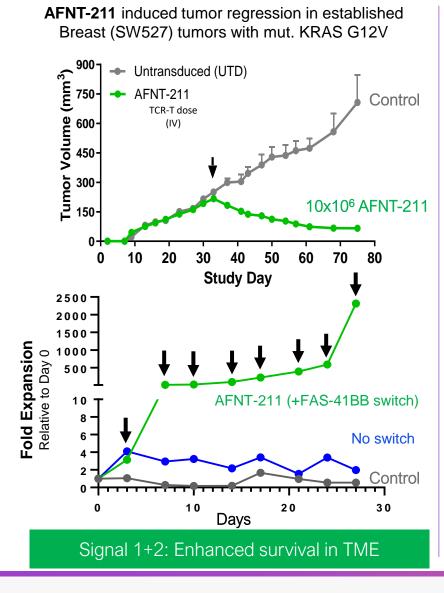
Target	Program	Affini-T Platform Technology		Discovery	Preclinical	Phase 1
Autologous TCR-T KRAS G12V KRAS	AFNT-111 AFNT-211 AFNT-212	FAS-41BB	THRIVE™ Lentiviral	HLA-A11 HLA-A2 HLA-A3 HLA-A11 HLA-B07		NCT06043713 NCT06105021 *IND Submission 1H25
P53 R175H KRAS G12C NRAS Q61R/	AFNT-313	TUNE™ Syn Bio	THRIVE™ Non-Viral	HLA-A3 HLA-A2 Multiple HLA-A1		*IND Submission 2026
PIK3CA T Cell Engager KRAS G12V P53 R175H Undisclosed			THER™ ell Engager	Multiple HLA-A2 HLA-A2 Multiple		

Affini-T Platform Technologies Designed To Generate Potent & Tolerable TCR-T Cells

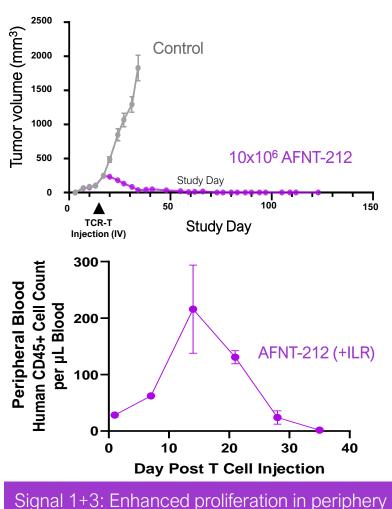




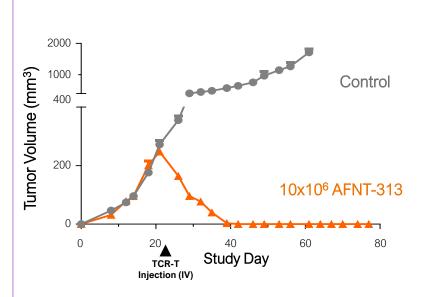
Innovative pipeline leverages TAILORTM, TUNETM and THRIVETM to eradicate difficult-to-treat solid tumors



AFNT-212 induced tumor eradication in established Colorectal (CL40) tumors with mut. KRAS G12D



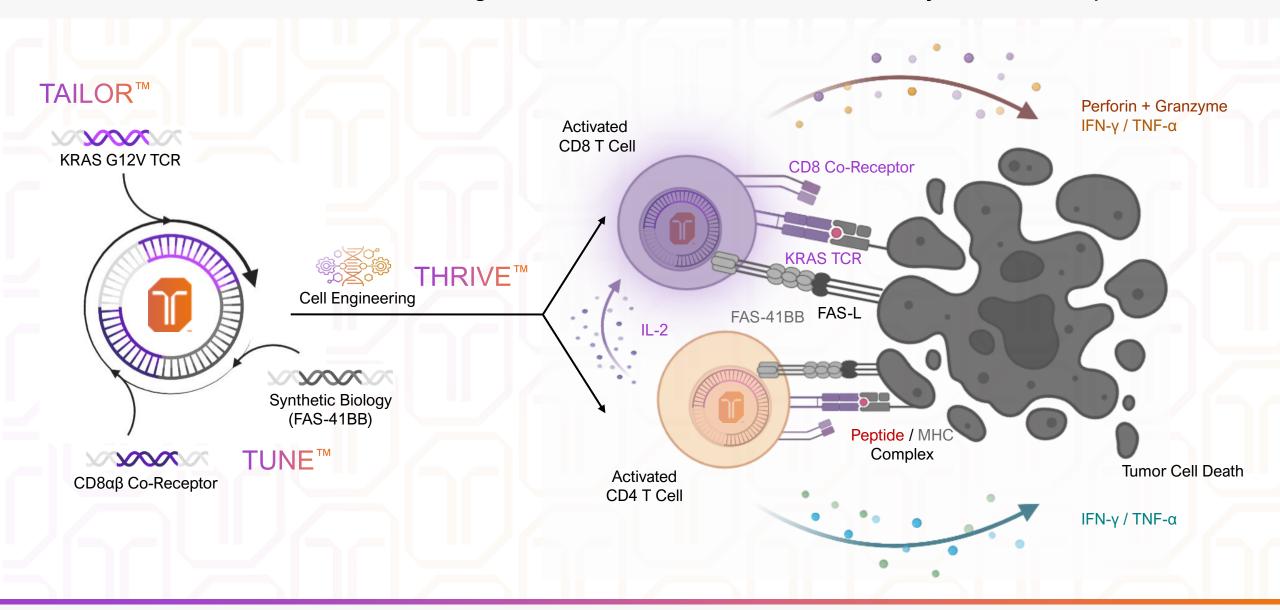
AFNT-313 induced tumor eradication in established Ovarian (TYK-nu) tumors with mut. p53 R175H



Signal 1+2+3: Support in TME + periphery



AFNT-211: A11 KRAS G12V TCR Engineered T Cells + FAS-41BB Durability Switch Receptor





AFNT-211: Clinical Development Plan

Phase 1a Basket Trial Dose Finding

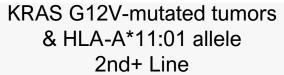
Sample size N=15-20 ~10 US clinical trial sites

Phase 1b/2 Expansion Cohorts

Sample size up to N=20 per indication

Registration Study

Expand trial sites to 35-40 in US/EU5/CAN











Colorectal (CRC)

Pancreatic (PDAC)



Tissue Agnostic NSCLC → 2nd/3rd line

CRC \rightarrow 2nd/3rd line

PDAC \rightarrow 2nd/3rd line

Tissue-agnostic \rightarrow 2nd/3rd line

- Continued FDA interactions for single arm study design
- Aim for approval based on ORR & DoR data
- Target sample size N=~80 for potential indication

Optimal Biological Dose / Proof of Clinical Concept

Interim Analysis ORR & DoR

*Excluding primary brain tumors

AFNT-211: Patient Selection & Biomarker Strategy

I. Patient Selection

- KRAS G12V mutation routinely reported by PCR, NGS, and CGP; by tumor or liquid biopsy (ctDNA)
- HLA A*11:01 via standard typing assays (Histogenetics ASHI accredited) or CGP
- 2L+, Upside: frontline consolidation

II. Monitoring - Peripheral Blood

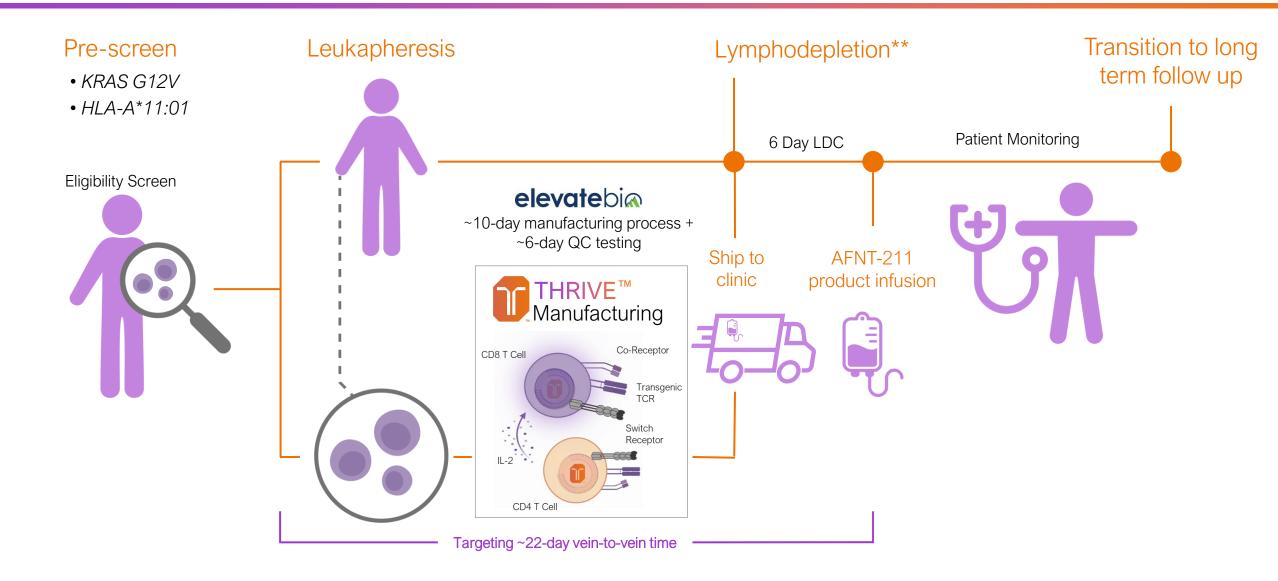
- **PK:** TCR-T expansion (VCN and/or CK), C_{max}, T_{last}, AUC
- PD: TBNK depletion and reconstitution; cytokines, e.g. IL7, IL15, IFNy
- MRD: ctDNA
- TCR-T phenotyping: TCR-T cell differentiation, activation, and exhaustion
- **Safety:** Replication-competent lentivirus, insertion site analysis

III. Phenotyping - Tumor

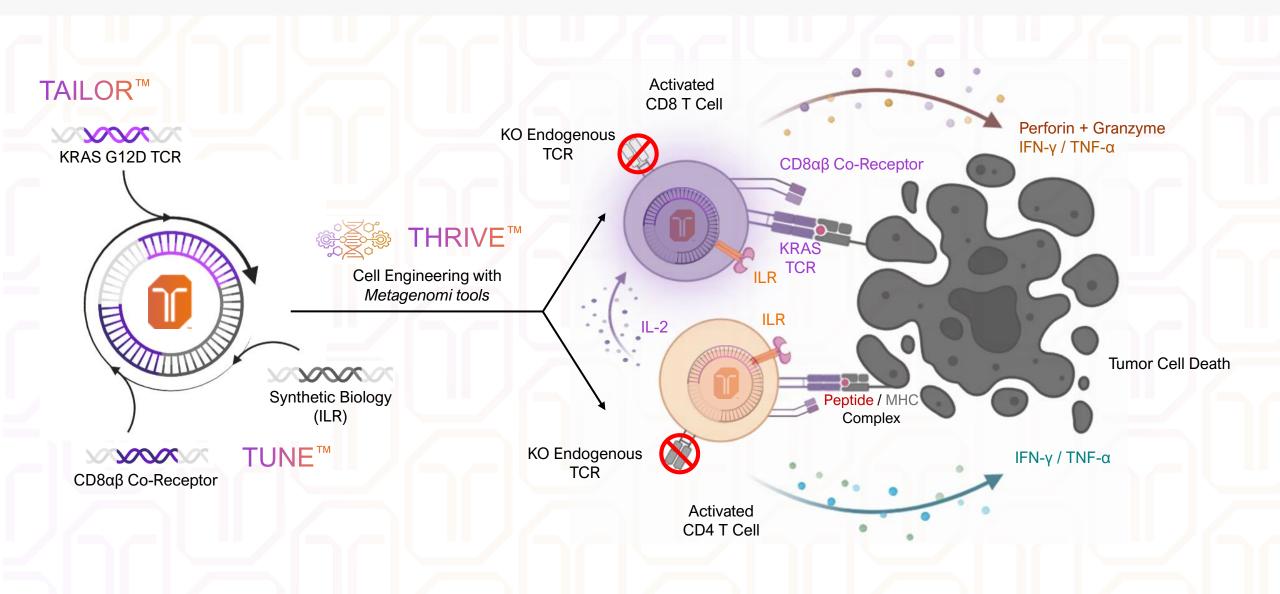
- **RECIST:** Imaging response assessment
- **TME:** AFNT-211 TCR-T cell infiltration and phenotyping, Host immune infiltration (including CD4 and CD8)
- Tumor characterization: TMB, MSI, PD1, FasL, IFNy and APM



AFNT-211: Patient Journey

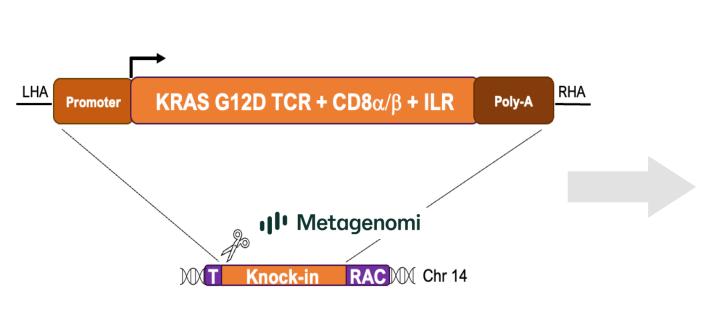


AFNT-212: A11 KRAS G12D TCR Engineered T Cells + Durability Switch Receptor + Gene Editing



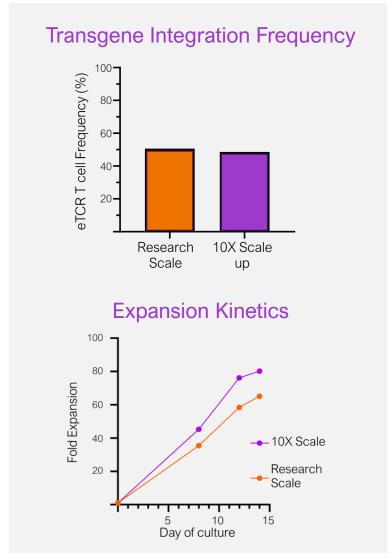


THRIVE™ High Efficiency Non-viral Delivery of Large Transgenes at cGMP Scale

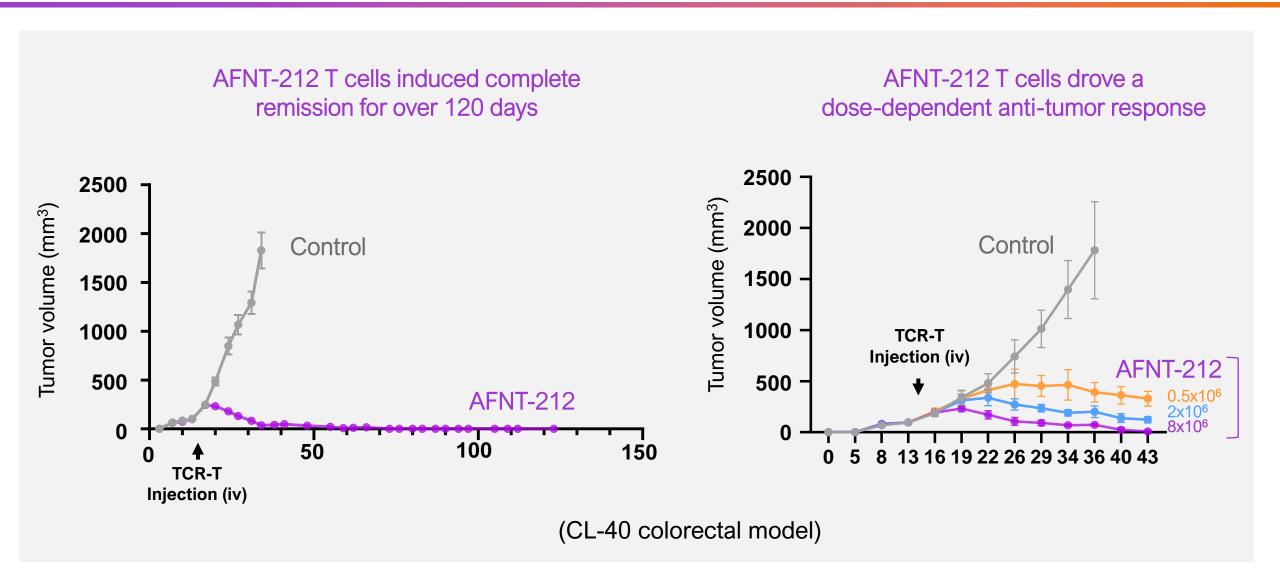


Transgenes inserted within the endogenous TRAC gene via CRISPR/Cas driven homology mediated repair

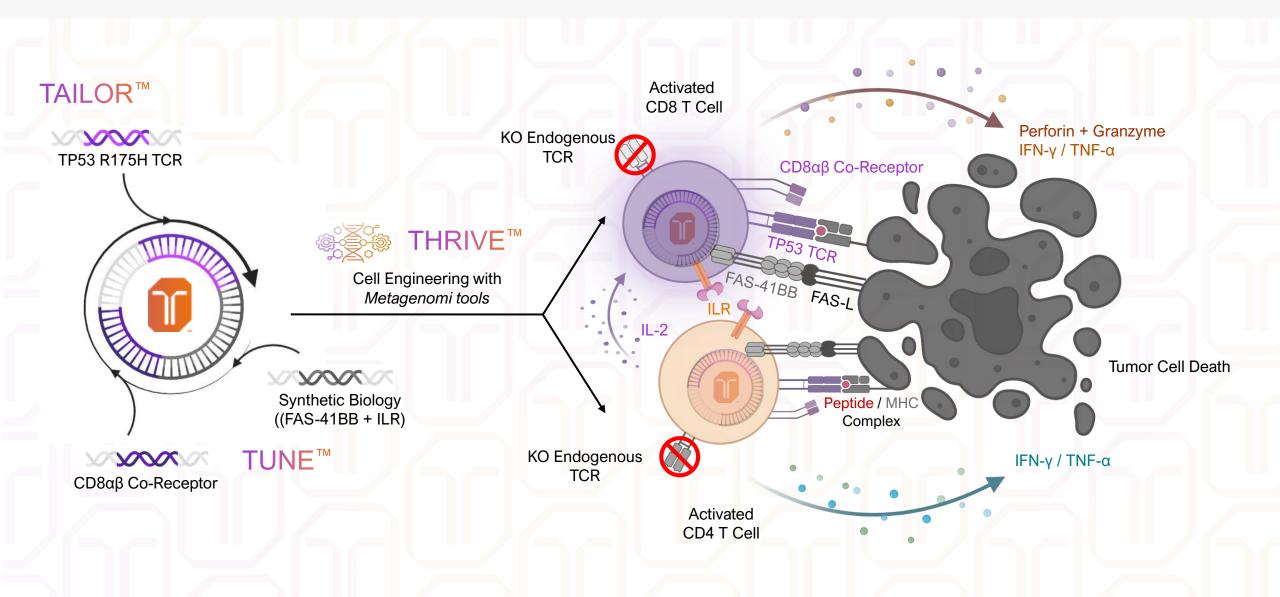
TRAC-inserted knock-in of 6.3kb 5 gene cassette



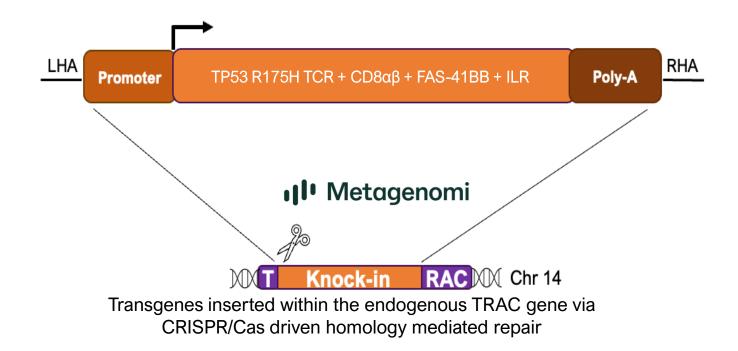
AFNT-212 Showed Robust Anti-tumor Activity in Established Tumor Mouse Models in vivo



AFNT-313: A2 TP53 R175H TCR Engineered T Cells + 2 Durability Switch Receptors + Gene Editing

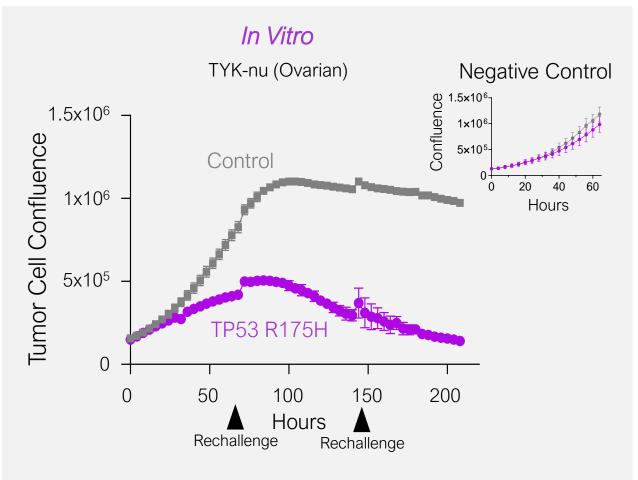


THRIVE™ High Efficiency Non-viral Delivery of Large Transgenes at cGMP Scale

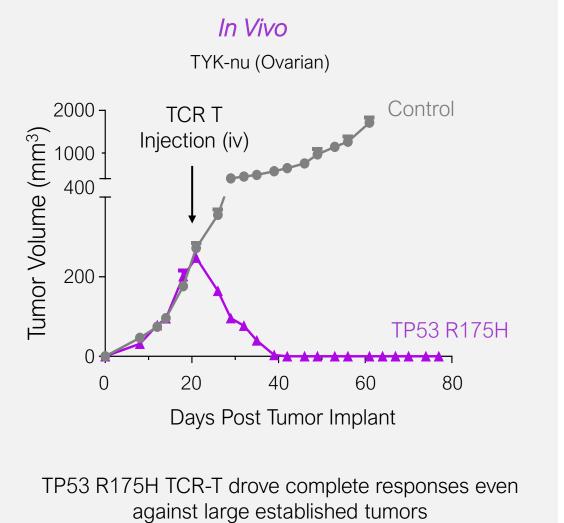


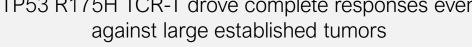
TRAC-inserted knock-in of 7 kb 6 gene cassette

AFNT-313 TCR-T Showed Robust Preclinical Tumor Cell Control *In Vitro* and *In Vivo*



TP53 R175H TCR-T cells controlled tumor proliferation even following multiple re-challenges







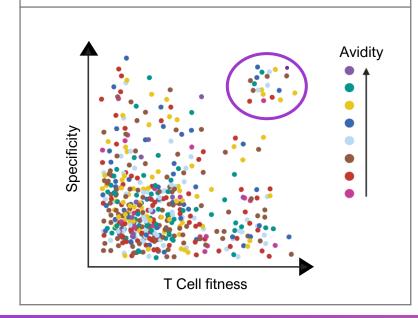


TETHER™ T cell engager Highlights

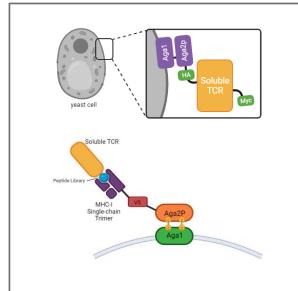
Affini-T Platform Technologies Enable the Generation of Highly Specific & Active T Cell Engagers

TAILOR™
TCR Discovery

- High throughput screening, predictive algorithms, and decades of learning
- Generate highly functional and tolerable TCRs against diverse targets



2 Affinity Maturation

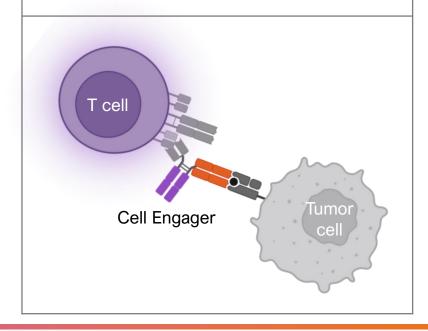


Yeast Display Modalities

- Libraries to identify high affinity TCRs
- Libraries for specificity screenings

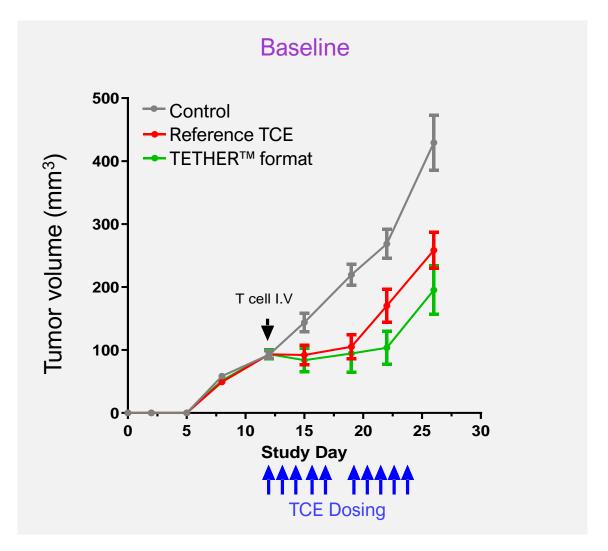
TETHER™ T Cell Engagers

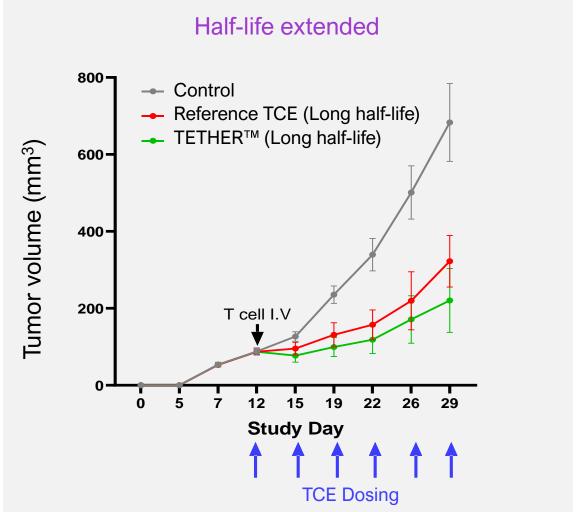
- Affinity matured TAILOR™ TCRs with high specificity and affinity
- Balanced CD3 binders for optimal T cell engagement
- Bispecific T cell engager format with long half-life



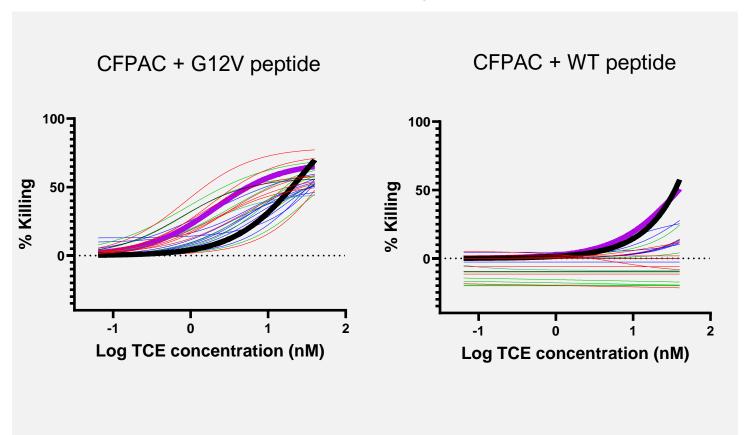


TETHER™ T Cell Engagers Outperformed Reference Product Format *in vivo*

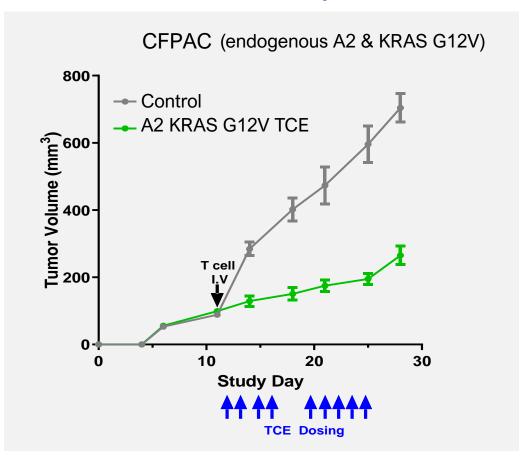




In vitro activity



In vivo activity



Experienced Management Team Supported by Blue-Chip Investor Syndicate

Executive Leadership



Jak Knowles, MD Co-Founder and CEO







Kathy Bergsteinsson, MBA Chief Financial Officer

Morgan Stanley



Dirk Nagorsen, MD Chief Medical Officer





Kim Nguyen, PhD Chief Technical Officer





Loïc Vincent, PhD Chief Scientific Officer





Kathy Yi, MBA Chief Operating Officer



Board of **Directors**



Jak Knowles, MD Affini-T Therapeutics







Arjun Goyal, MD Vida Ventures





Lucio lannone, PhD Leaps by Bayer





Mike Varney, PhD Erasca





Dan Faga AnaptysBio



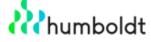


Jill DeSimone Independent























Exceptional Scientific Co-Founders & SAB Specialized in T Cell Biology and Immunology

Co-Founders



Phil Greenberg, MD Scientific Co-Founder





Aude Chapuis, MD Scientific Co-Founder





Tom Schmitt, PhD Scientific Co-Founder





Chris Klebanoff, MD Scientific Co-Founder

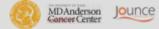




Scientific Advisors

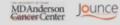


Jim Allison, PhD





Pam Sharma, MD







Rafi Ahmed, PhD















David Kranz, PhD

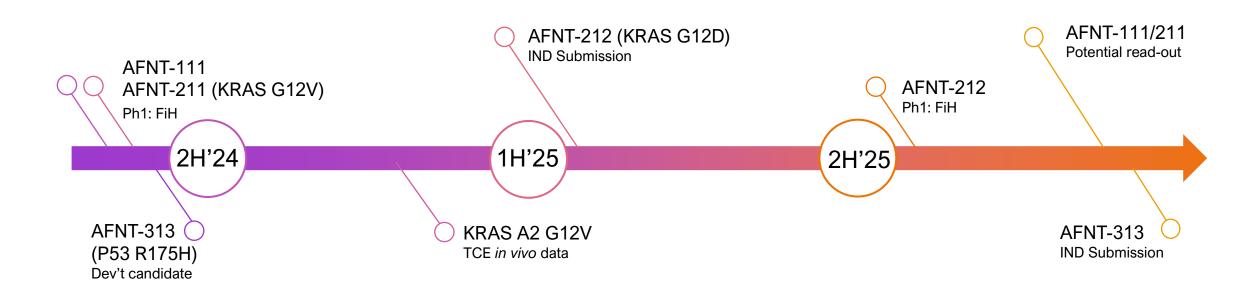








Current Status & Key Clinical Catalysts



Affini-T is the premier Precision Immunotherapy company targeting oncogenic driver mutations to develop curative therapies for patients with solid tumors

Partnership Opportunities

Strategic Partners

TAILORTM

TCR Library for Oncology + I&I

TUNFTM

SynBio Armoring Technology

THRIVFTM

Engineering & Manufacturing

TETHERTM

Bi-specific T Cell Engagers











