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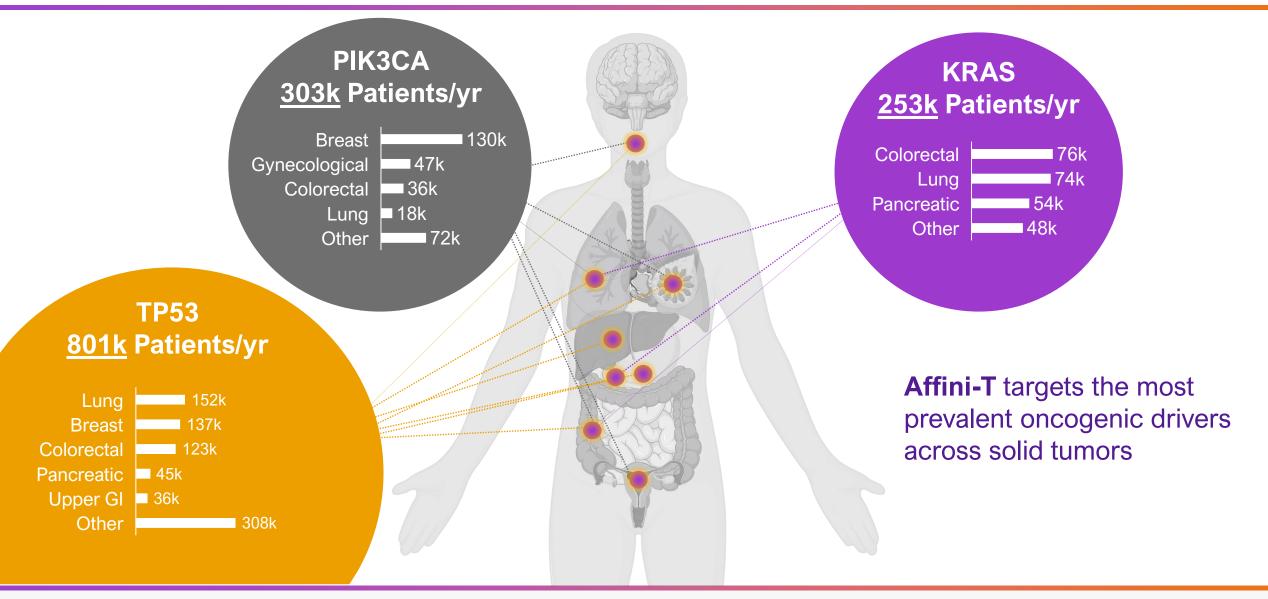
RIGHT TARGETS. RIGHT CELLS. RIGHT PLACE.

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

- Leader in Precision Immunotherapy developing a deep pipeline of T cell and bi-specific 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



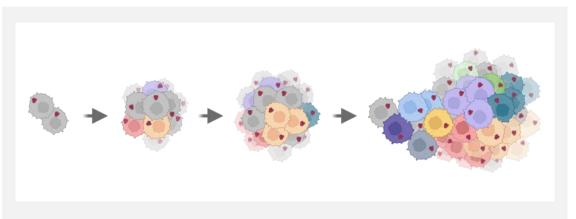
Cancer cells are <u>dependent</u> on oncogenic drivers for survival and proliferation



Oncogenic drivers are ubiquitously expressed in otherwise heterogeneous tumors



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

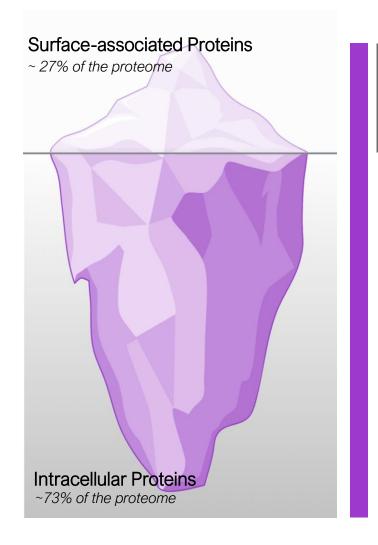


Solid tumors are heterogenous, but oncogenic driver mutations are conserved

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

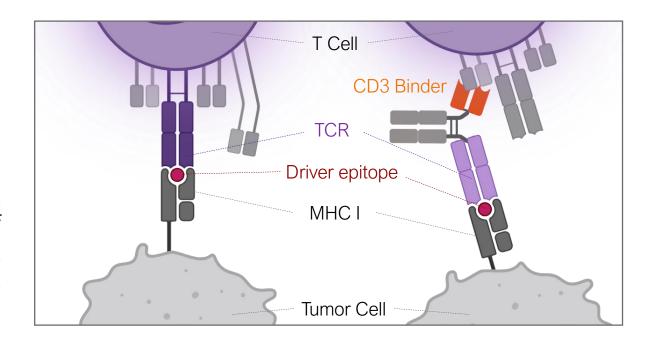
This allows direct targeting of hard-to-drug oncogenic drivers

Klebanoff & Chandran: Immunological Reviews, Volume: 290, Issue: 1, Pages: 127-147, First published: 29 July 2019, DOI: (10.1111/imr.12772)

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

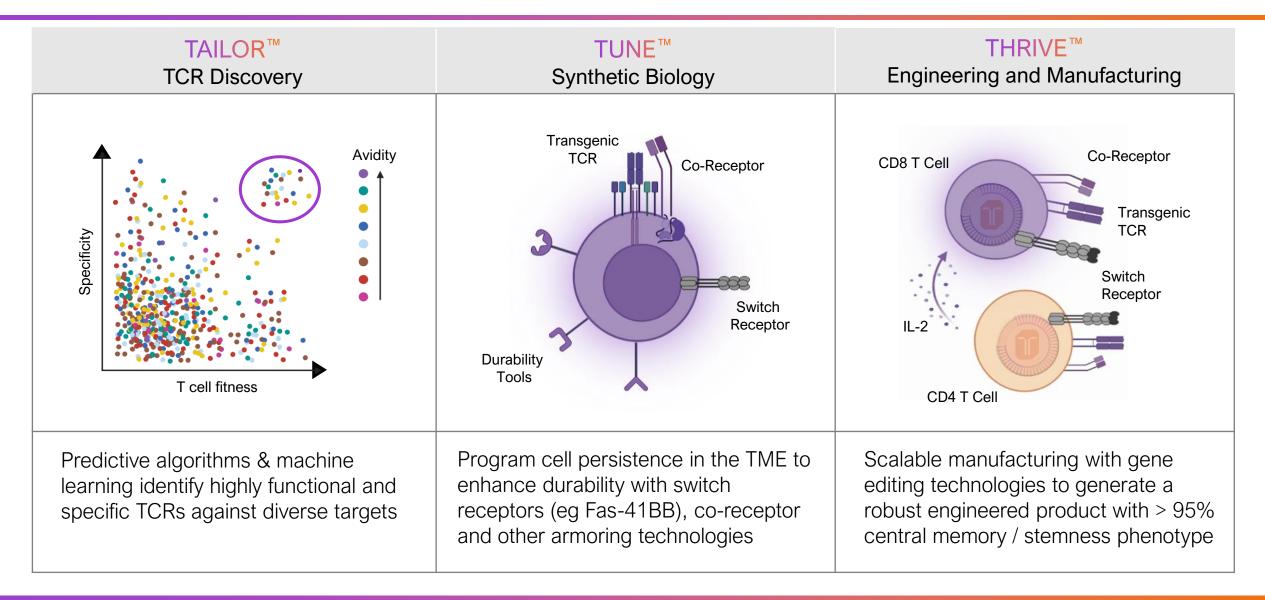
Bispecific biologics combining a TCR moiety to recognize the driver mutant epitope with a CD3 binding moiety to recruit endogenous T Cells



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

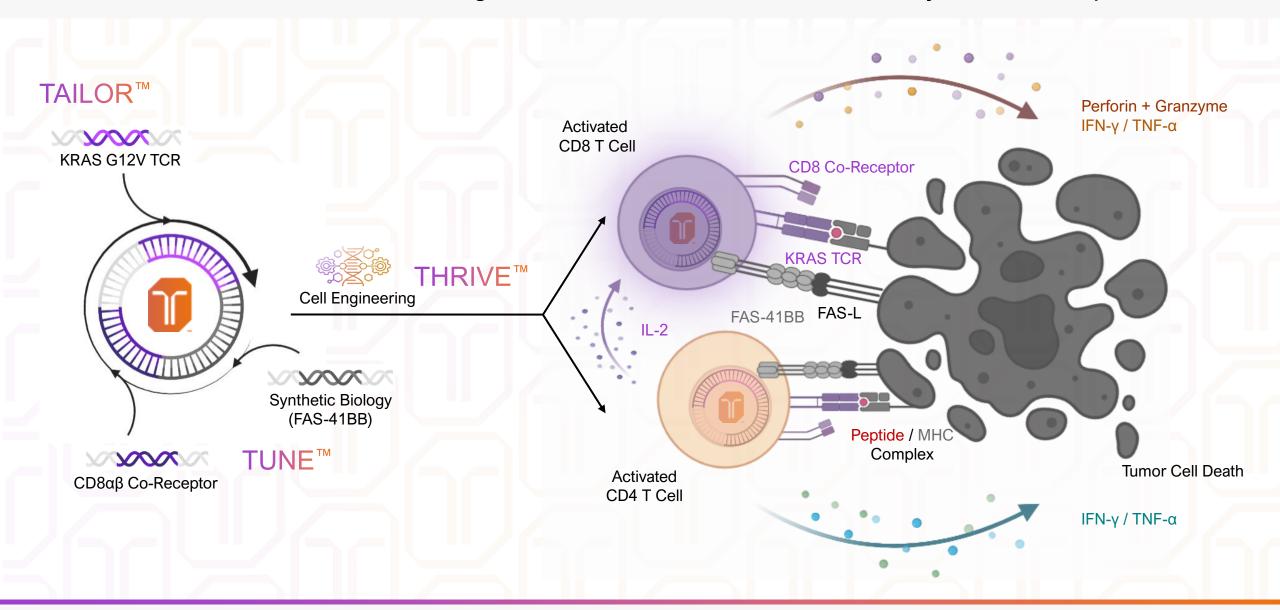
Target	Program	TUNE TM Syn Bio	THRIVE TM Engineering & Mfg	Discovery	Preclinical	Phase 1
Autologous TCR-T Programs						
	AFNT-111	CD8 CoR	Lentiviral	HLA-A11		NCT06043713
KRAS G12V	AFNT-211	CD8 CoR + FAS-41BI	B Lentiviral	HLA-A11		NCT06105021
		TUNE™		HLA-A2		
		TUNE™		HLA-A3		
KRAS G12D	AFNT-212	CD8 CoR + TUNE™		HLA-A11		*IND Submission 2024
		TUNE™	TIDI/ETM	HLA-B07		
		TUNE™	THRIVE™ Non-Viral	HLA-A3		
KRAS G12C		TUNE TM		Multiple		
NRAS Q61R/K		CD8 CoR + TUNE™		HLA-A1		
P53 R175H		CD8 CoR + TUNE™		HLA-A2		*IND Submission 2025
PIK3CA		TUNE™		Multiple		
T Cell Engager Programs						
KRAS G12	V	n.a.	n.a.	HLA-A2		
Undisclose	d	n.a.	n.a.	Multiple		

Affini-T Platform Technologies Enable the Generation of Potent & Tolerable TCR-T Cells



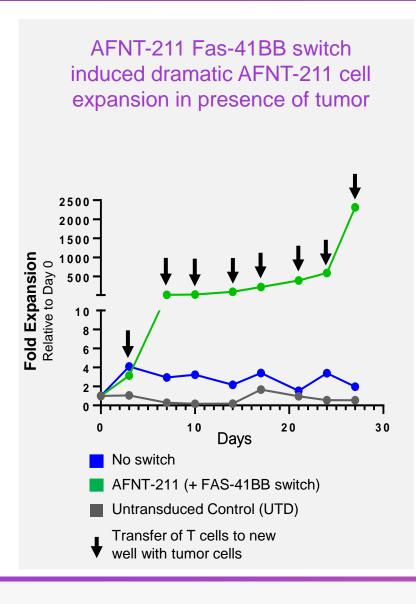


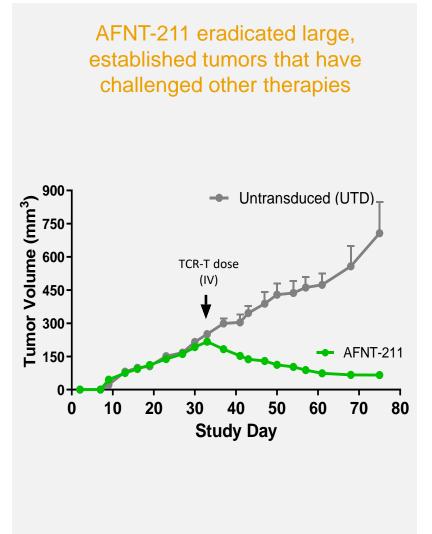
AFNT-211: KRAS A11 G12V TCR Engineered T Cells + FAS-41BB Durability Switch Receptor

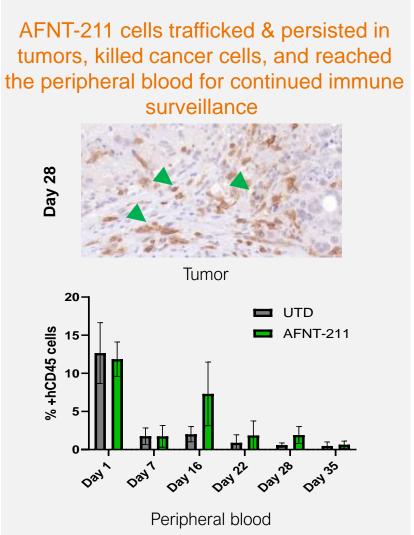




AFNT-211 Differentiated Switch Receptor Armoring Drove Antitumor Activity in Preclinical Models









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

KRAS G12V-mutated tumors & HLA-A*11:01 allele









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 accelerated approval based on ORR & DoR data
- Target sample size N=~80 for potential indication

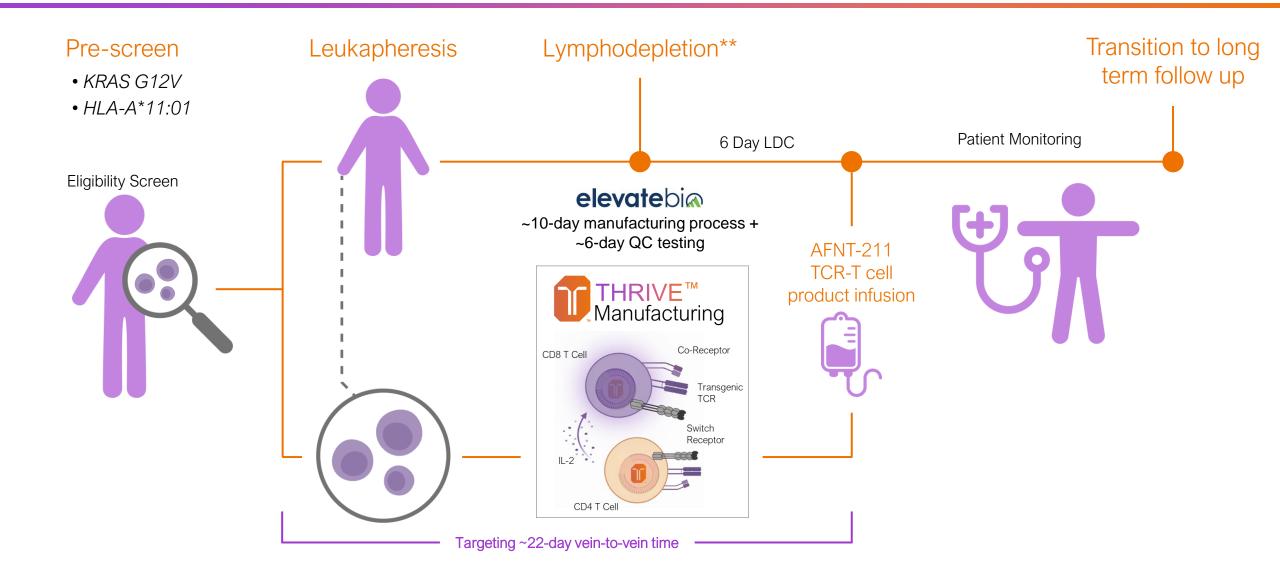
Optimal Biological Dose / Proof of Clinical Concept

Interim Analysis

ORR & DoR

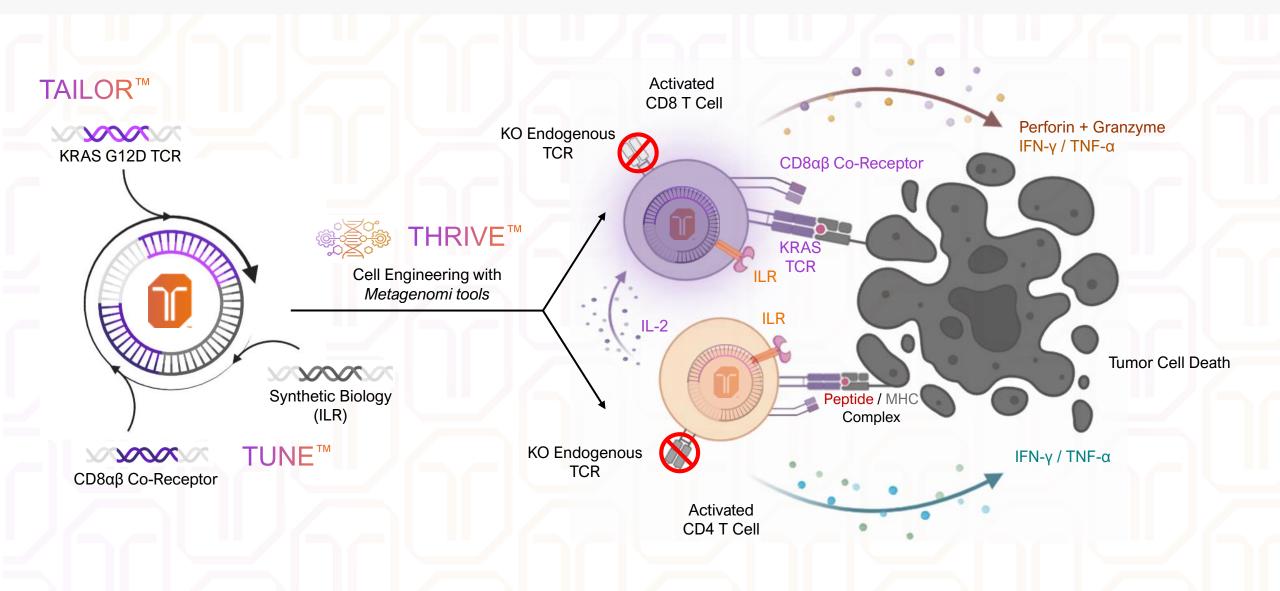
*Excluding primary brain tumors

AFNT-211 Patient Journey



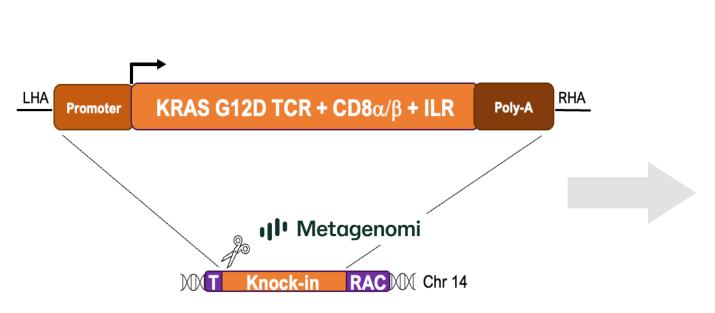


AFNT-212: KRAS A11 G12D TCR Engineered T Cells + Durability Switch Receptor + Gene Editing

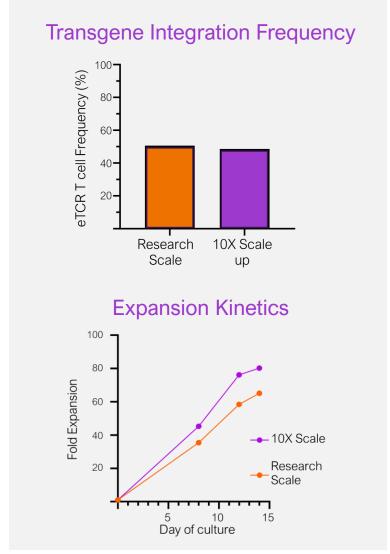




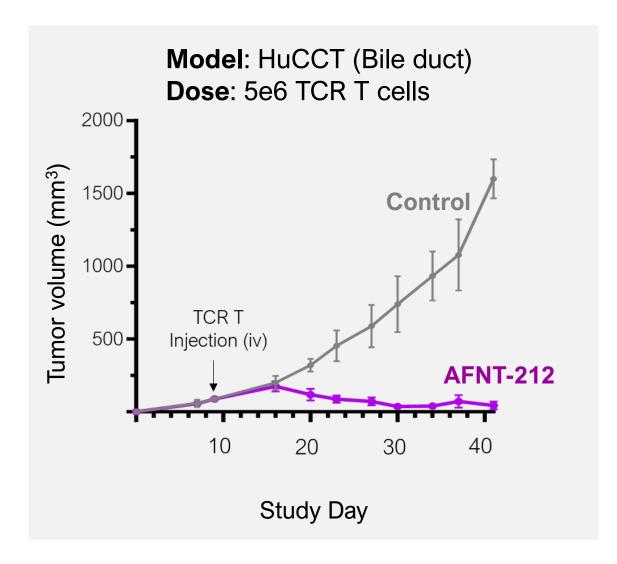
THRIVE™ High Efficiency Non-viral Delivery of Large Transgenes at cGMP Scale

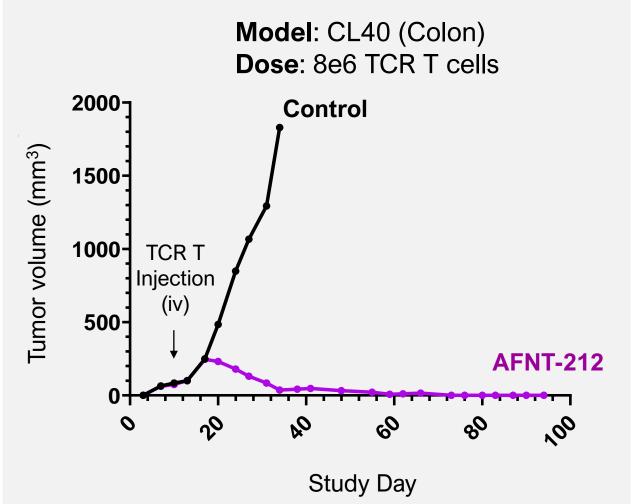


Transgenes inserted within the endogenous TRAC gene via CRISPR/Cas driven homology mediated repair



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



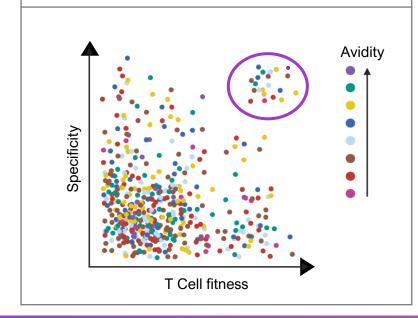




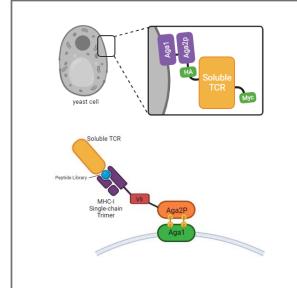
Affini-T Platform Technologies Enable the Generation of Highly Specific & Active T Cell Engagers

TAILOR™
TCR Discovery

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



2 Affinity Maturation

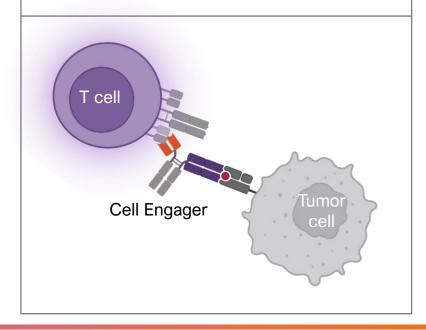


Yeast Display Modalities

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

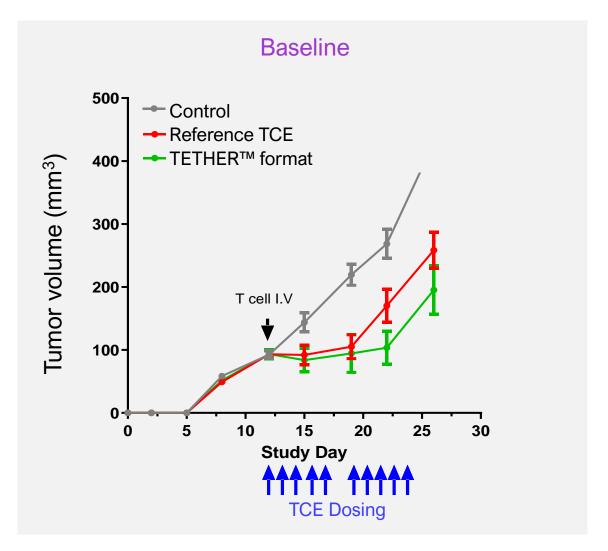
TETHER™ T Cell Engagers

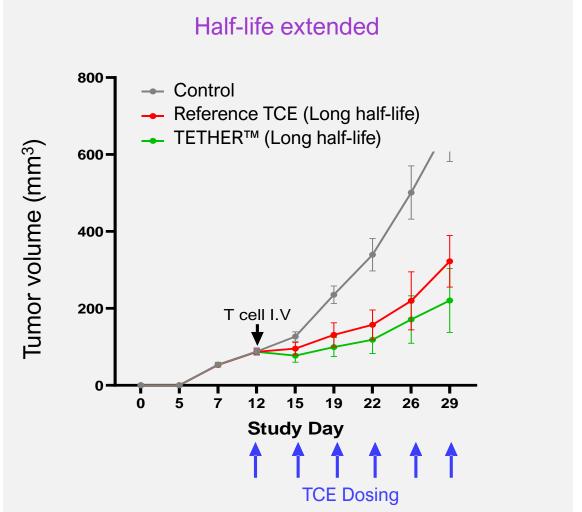
- Affinity matured TAILOR[™] TCRs with high specificity and affinity
- Balanced CD3 binders for optimal T cell engagement
- Bispecific T cell engager format with long half-life



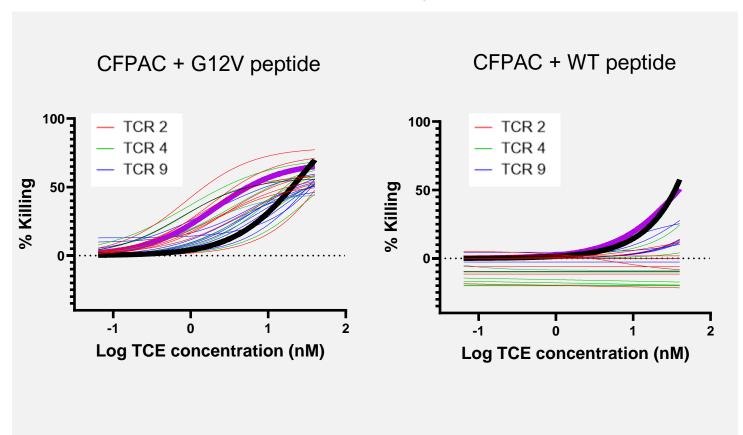


TETHER™ T Cell Engagers Outperformed Reference Product Format *in vivo*

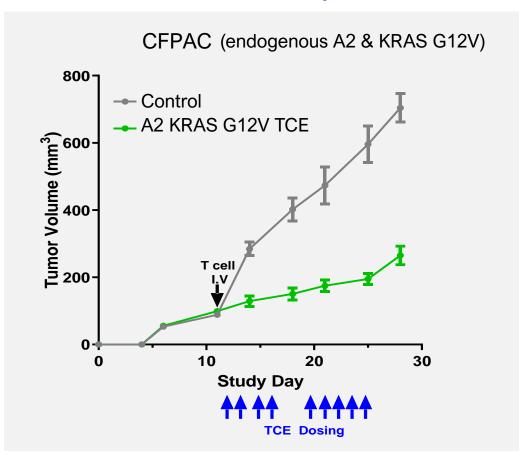




In vitro activity



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



Dirk Nagorsen, MD Chief Medical Officer



Kim Nauven, PhD Chief Technical Officer



Loïc Vincent, PhD Chief Scientific Officer



Kathy Yi, MBA Chief Operating Officer



Thaminda Ramanayake, MBA Chief Business Officer





Morgan Stanley











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exonics



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

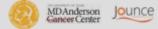




Scientific Advisors



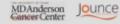
Jim Allison, PhD







Pam Sharma, MD







Rafi Ahmed, PhD



> Scripps





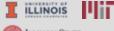














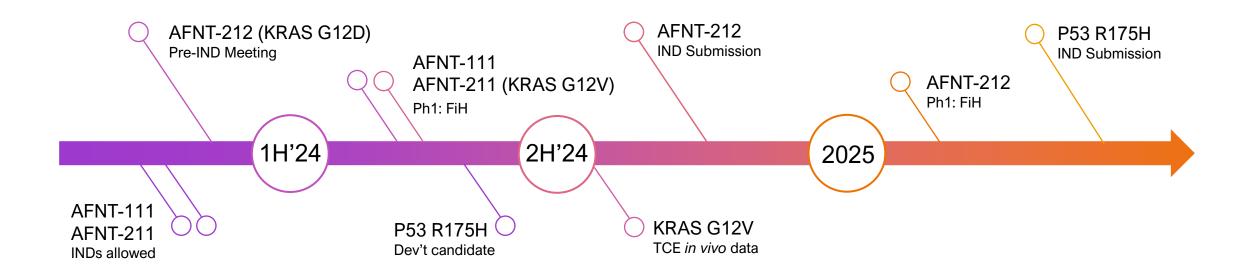


Sue Kaech, PhD





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

TAILOR™

TCR Library for Oncology + I&I

TUNFTM

SynBio Armoring Technology

THRIVFTM

Engineering & Manufacturing

TETHERTM

Bi-specific T Cell Engagers









