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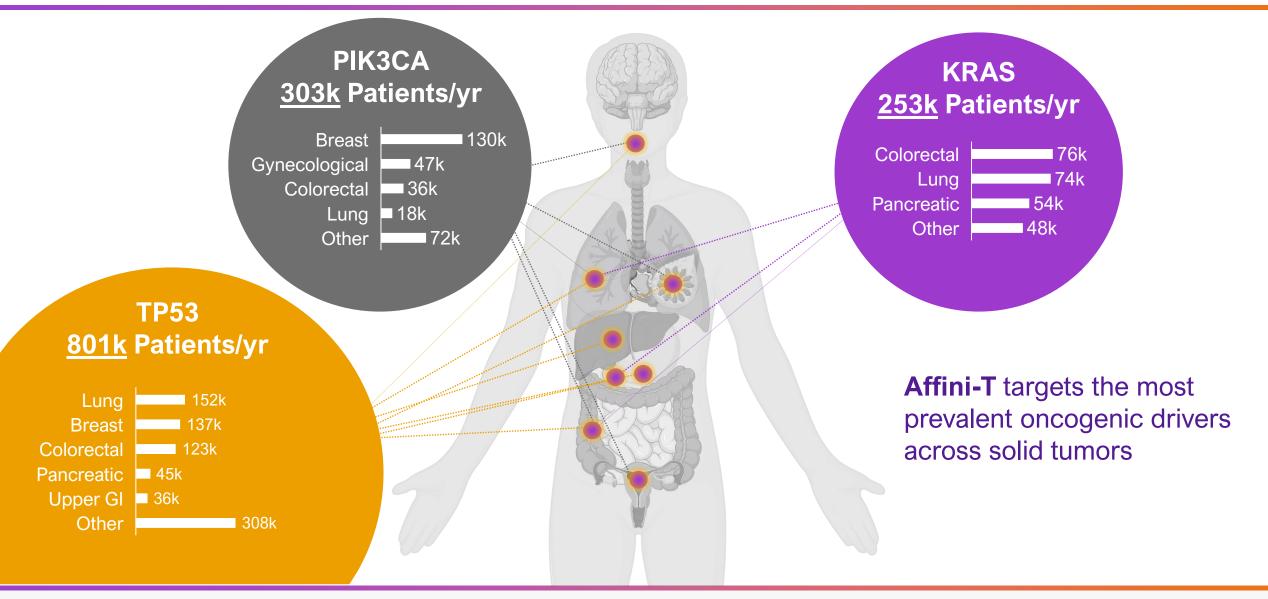
## RIGHT TARGETS. RIGHT CELLS. RIGHT PLACE.

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



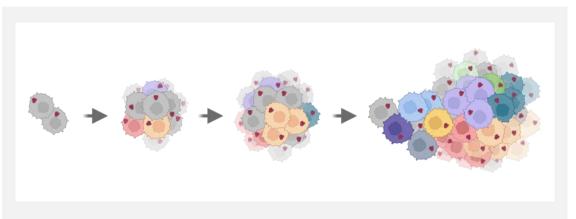
Cancer cells are <u>dependent</u> on oncogenic drivers for survival and proliferation



Oncogenic drivers are ubiquitously expressed in otherwise heterogeneous tumors



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

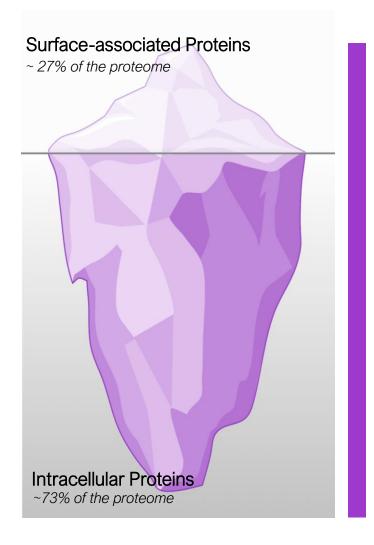


Solid tumors are heterogenous, but oncogenic driver mutations are conserved

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

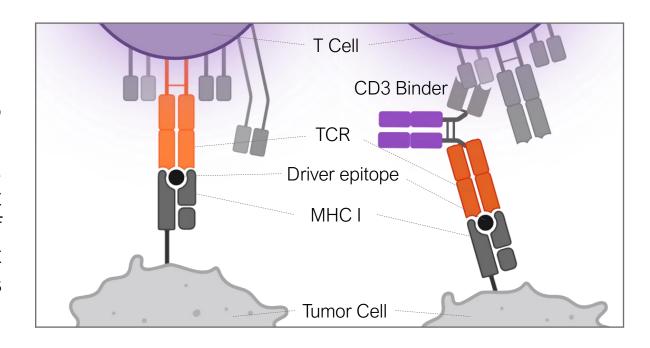
This allows direct targeting of hard-to-drug oncogenic drivers

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

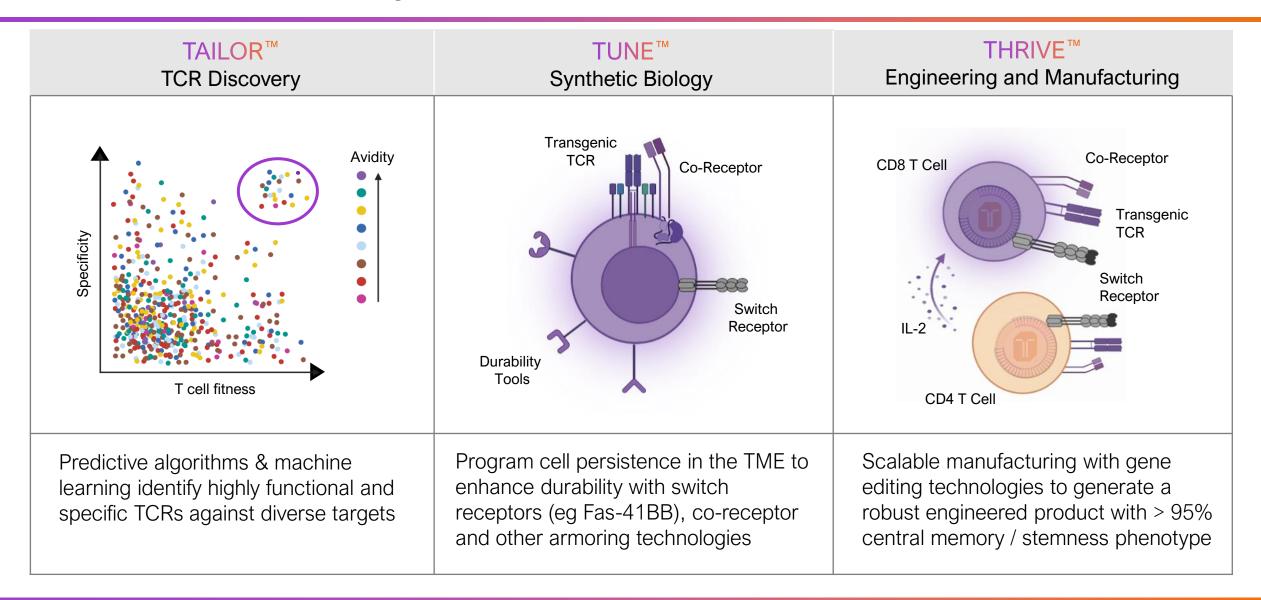
Bispecific biologics combining a TCR moiety to recognize the driver mutant epitope with a CD3 binding moiety to recruit endogenous T Cells



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

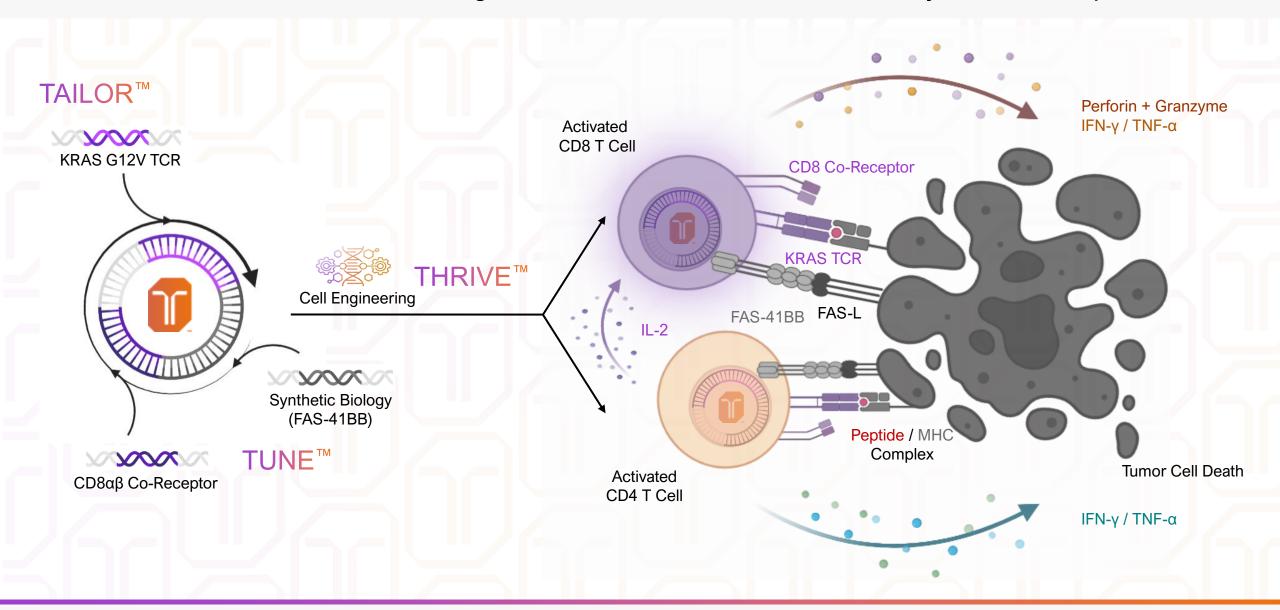
Taı	rget	Program	Affini-T Platfo	rm Technology	Discovery	Preclinical	Phase 1
Autologous TCR-T  KRAS G12V		AFNT-111 AFNT-211	FAS-41BB	THRIVE™ Lentiviral	HLA-A11 HLA-A2 HLA-A3		NCT06043713 NCT06105021
G <sup>*</sup>	RAS 12D RAS G12C	AFNT-212	TUNE™ Syn Bio	THRIVE™ Non-Viral	HLA-A11 HLA-B07 HLA-A3 Multiple		*IND Submission 2024
P5	RAS Q61R/k 53 R175H K3CA	<			HLA-A1 HLA-A2 Multiple		*IND Submission 2025
KI P!	Cell Engager KRAS G12V P53 R175H Undisclosed		TETHER™ T-Cell Engager		HLA-A2 HLA-A2 Multiple		

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



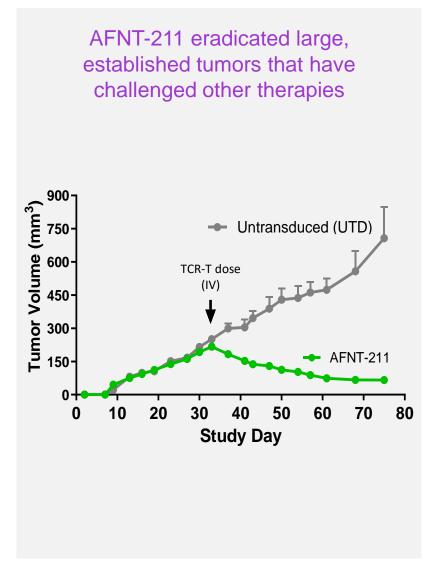


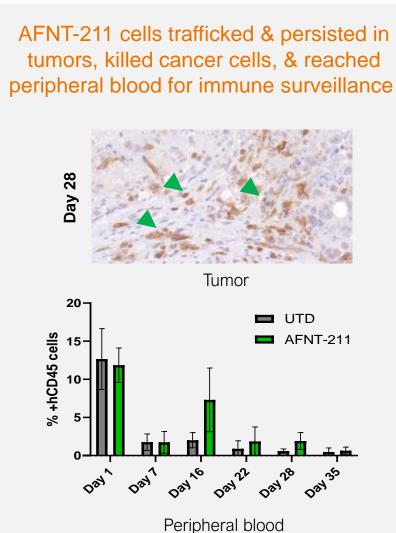
#### **AFNT-211:** KRAS A11 G12V TCR Engineered T Cells + FAS-41BB Durability Switch Receptor

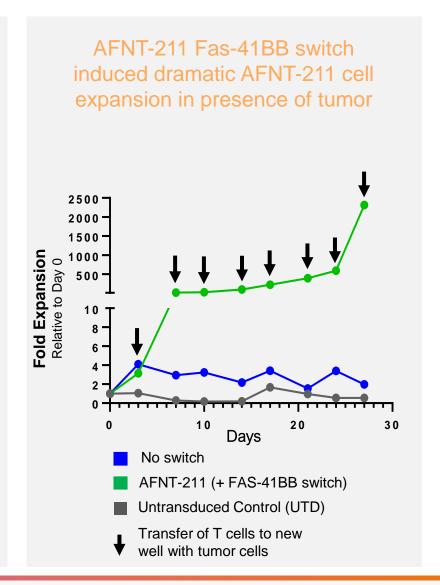




#### AFNT-211 Differentiated Switch Receptor Armoring Drove Antitumor Activity in Preclinical Models









## **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 → 2<sup>nd</sup>/3<sup>rd</sup> line

CRC  $\rightarrow$  2<sup>nd</sup>/3<sup>rd</sup> line

PDAC  $\rightarrow$  2<sup>nd</sup>/3<sup>rd</sup> line

Tissue-agnostic  $\rightarrow$  2<sup>nd</sup>/3<sup>rd</sup> 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

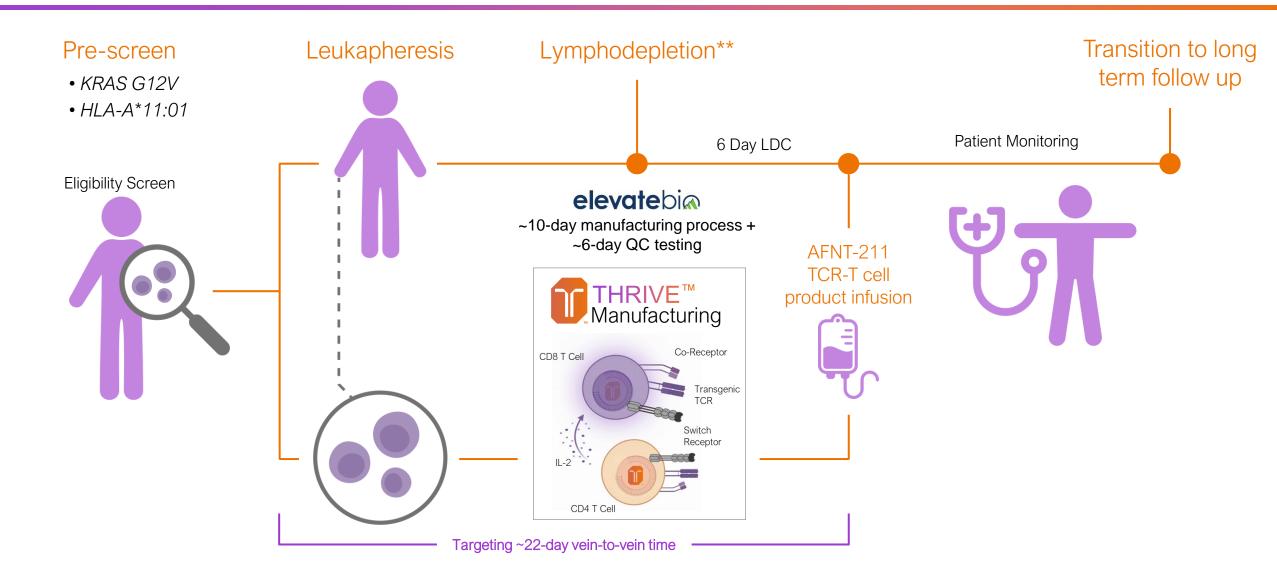
Interim Analysis

ORR & DoR

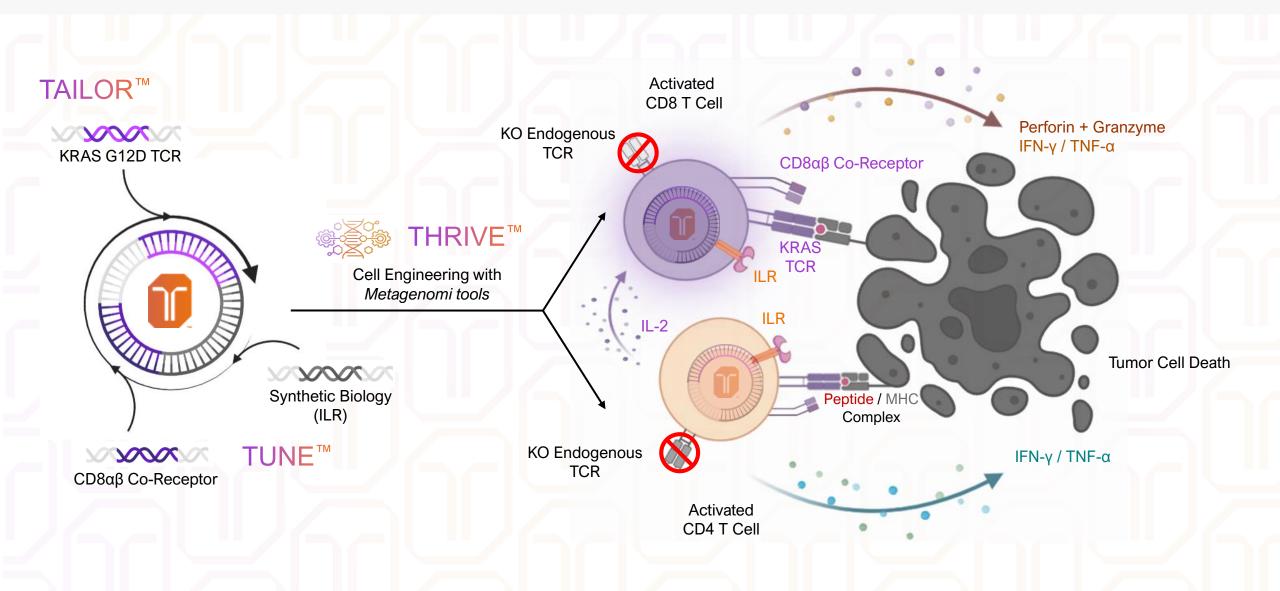
\*Excluding primary brain tumors



## **AFNT-211** Patient Journey

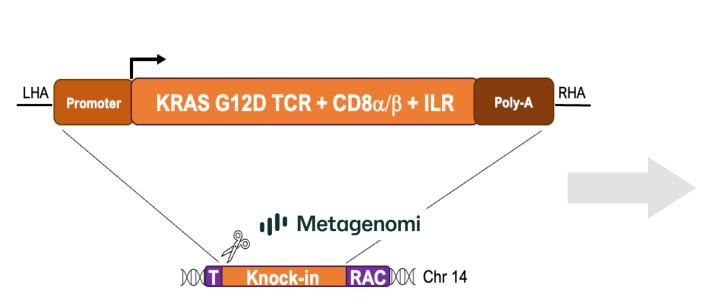


#### AFNT-212: KRAS A11 G12D TCR Engineered T Cells + Durability Switch Receptor + Gene Editing

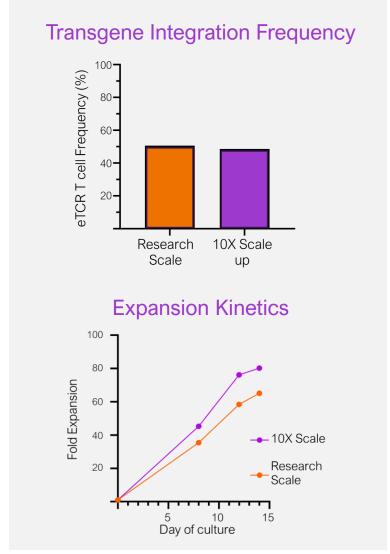




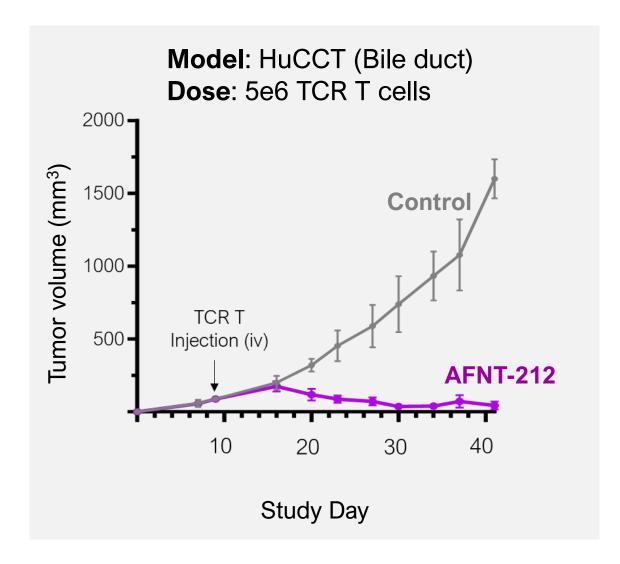
#### **THRIVE™** High Efficiency Non-viral Delivery of Large Transgenes at cGMP Scale

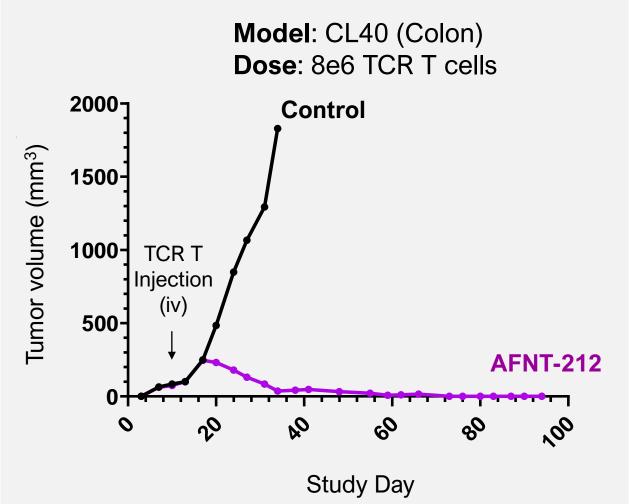


Transgenes inserted within the endogenous TRAC gene via CRISPR/Cas driven homology mediated repair



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



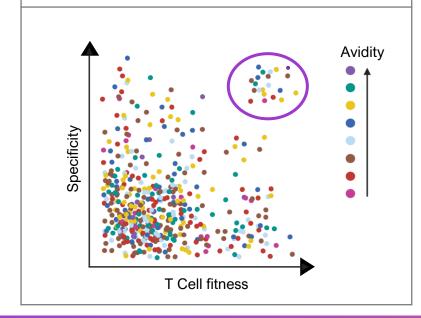




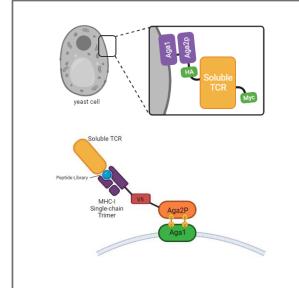
#### Affini-T Platform Technologies Enable the Generation of Highly Specific & Active T Cell Engagers

TAILOR™
TCR Discovery

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



2 Affinity Maturation

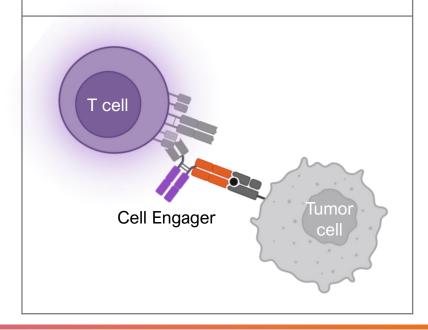


#### **Yeast Display Modalities**

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

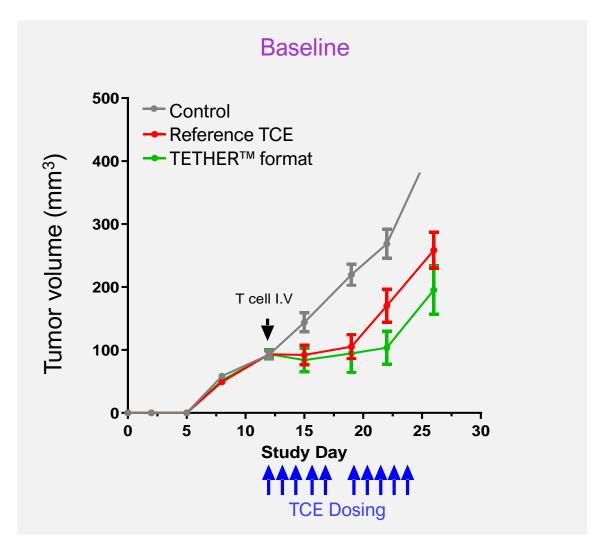
TETHER™
T Cell Engagers

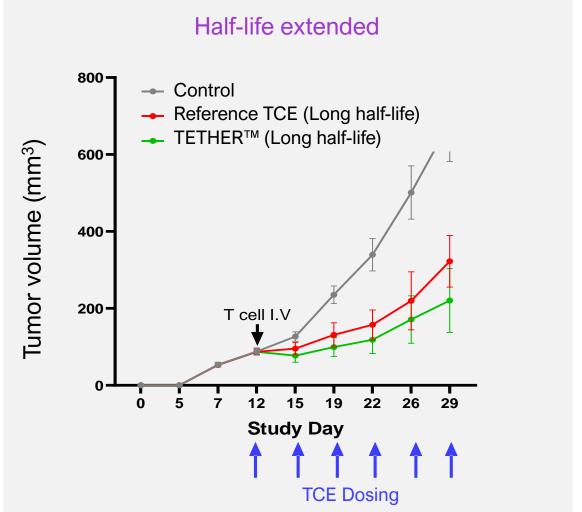
- Affinity matured TAILOR™ TCRs with high specificity and affinity
- Balanced CD3 binders for optimal T cell engagement
- Bispecific T cell engager format with long half-life



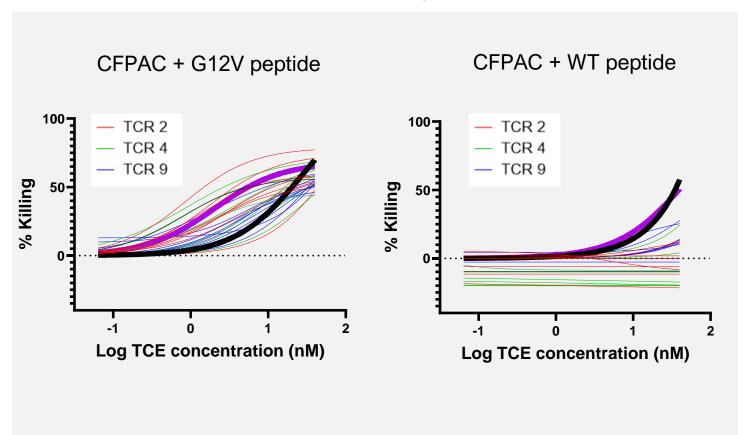


## **TETHER™** T Cell Engagers Outperformed Reference Product Format *in vivo*

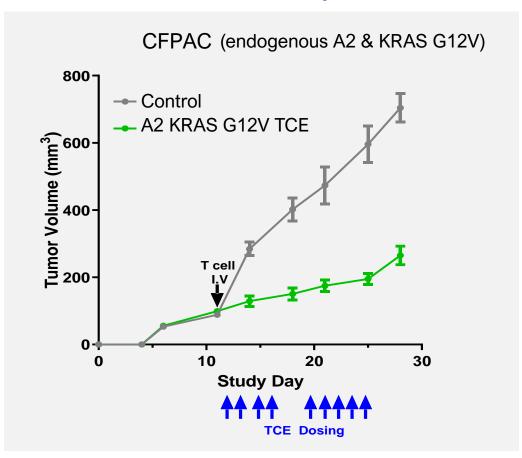




#### *In vitro* activity



#### 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



PRECISION







BIOMARIN sanofi **AMGEN** 

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exonics



Arjun Goyal, MD Vida Ventures





Lucio lannone. PhD Leaps by Bayer





Mike Varney, PhD Erasca





Dan Faga AnaptysBio



AGENT CAPITAL



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

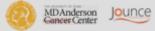




#### Scientific Advisors



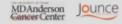
Jim Allison, PhD







Pam Sharma, MD







Rafi Ahmed, PhD











McGill

# HARVARD



David Kranz, PhD





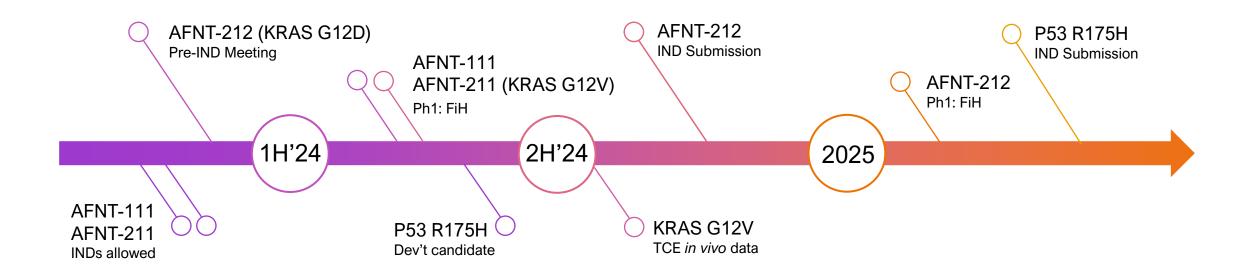


Sue Kaech, PhD





## 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

**THRIVF<sup>TM</sup>** 

**Engineering & Manufacturing** 

**TETHER**<sup>TM</sup>

Bi-specific T Cell Engagers









