



Reinventing Medicine with Protein Degradation

June 2024

 KYMERA

Forward Looking Statements

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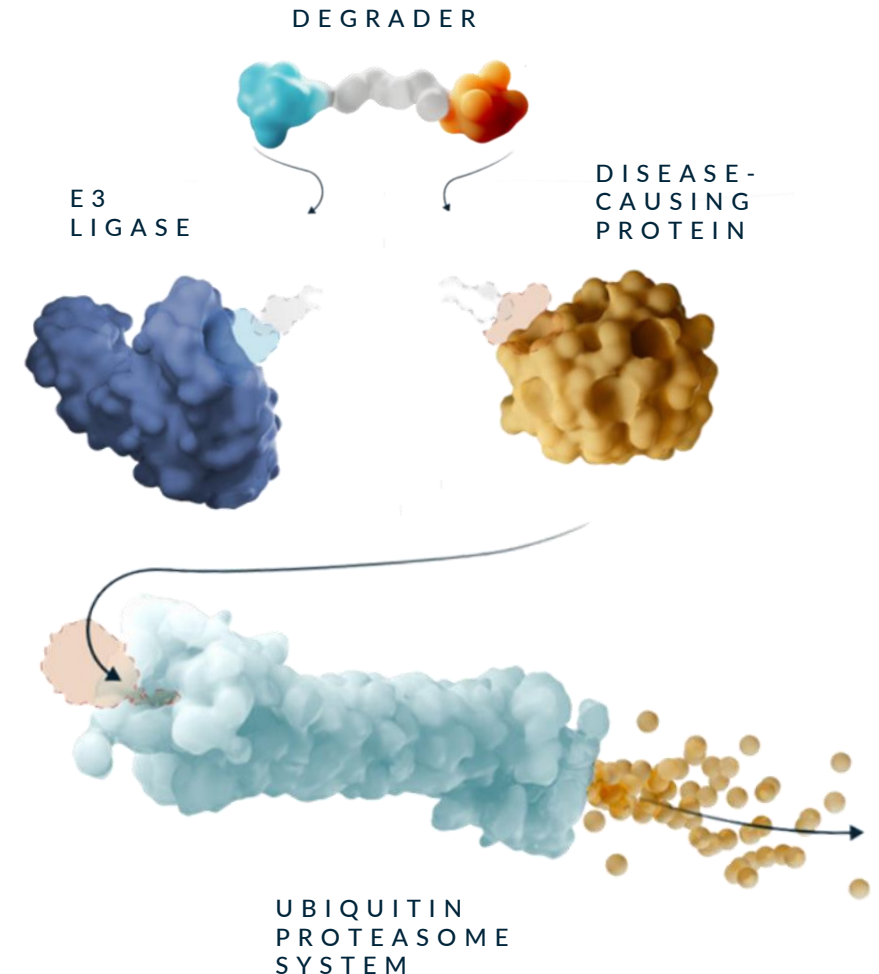
Harnessing a Game-Changing, Novel Modality

Kymera, a Leader in Targeted Protein Degradation

- Focused on unlocking high value, undrugged targets using TPD
- Highly productive and reproducible platform for discovery of innovative medicines
- Leading platform and pipeline IP, developed internally
- Well-capitalized with \$745 million in cash and expected runway into the first half of 2027, enabling expansion into areas with large clinical and commercial opportunities

Industry Leading Execution

- Since founding Kymera in 2016:
 - Advanced four first-in-class programs to the clinic
 - Demonstrated clinical translation of degradation and safety
 - Achieved early clinical POC in I&I and oncology programs
- Extensive validation of target selection and molecular design
- Successful track record delivering multiple new drug mechanisms in clinic, expecting up to 10 novel INDs within first 10 years



Target Selection Strategy

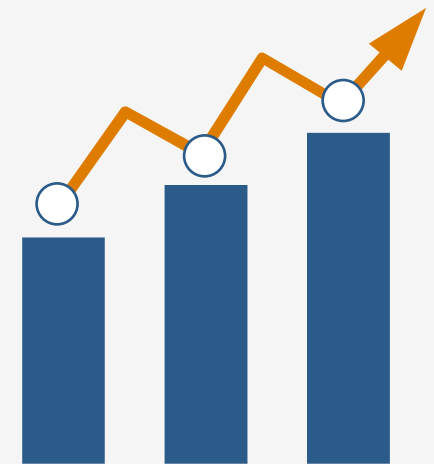
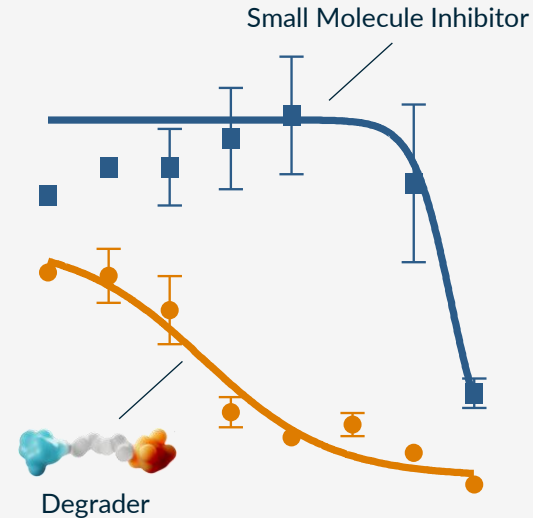
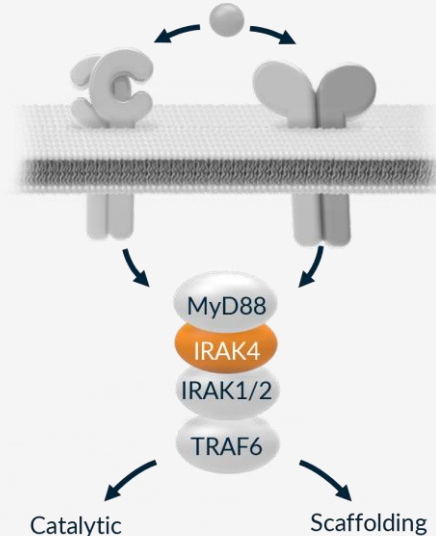
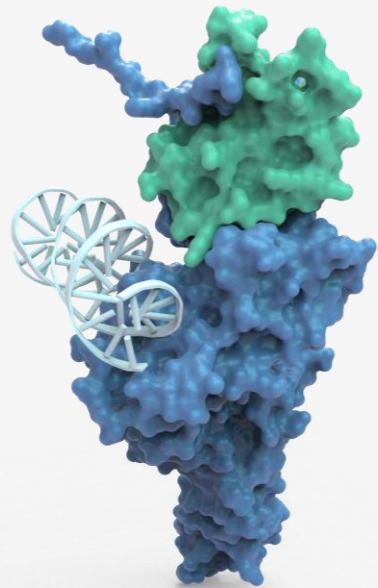
Focus on First- or Best-in-Class Opportunities

Undrugged or Inadequately Drugged targets

Strong Genetic/Pathway Validation

Clear Path to Early Clinical Differentiation

Large Clinical/Commercial Opportunities



TRANSCRIPTION FACTORS & SCAFFOLDING PROTEINS

APPROVED DRUGS IN SAME PATHWAY

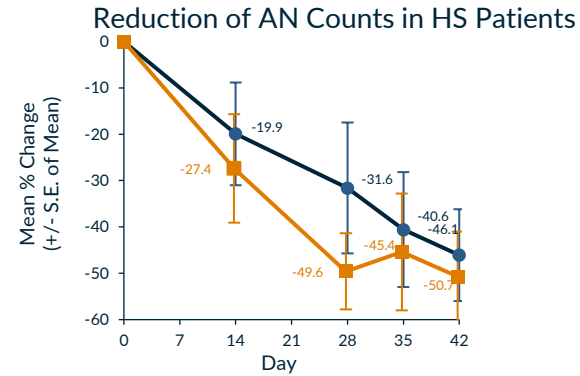
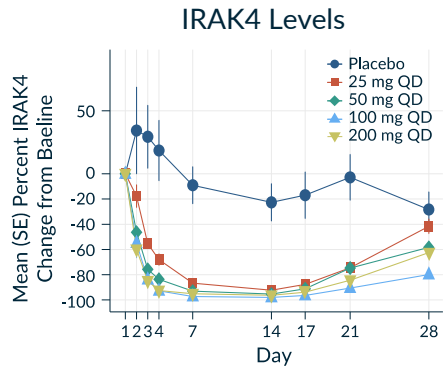
SUPERIORITY VS PATHWAY DRUGS

AREAS OF SIGNIFICANT VALUE CREATION

Demonstrating Reproducible and Scalable Clinical Innovation

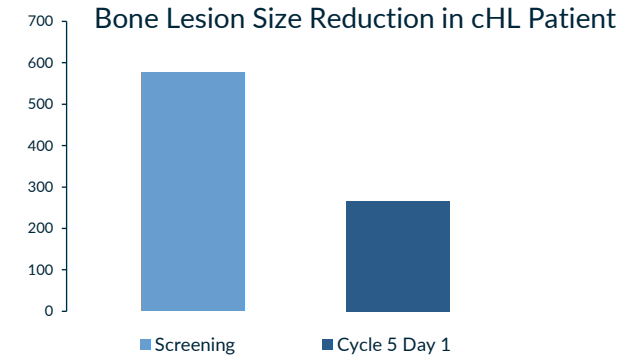
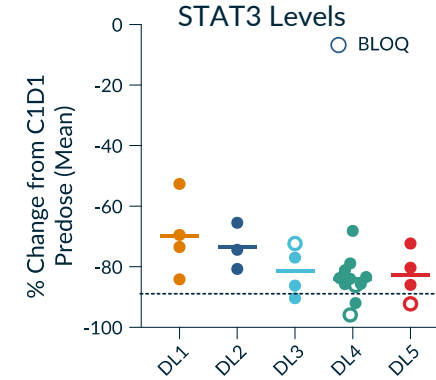
**IRAK4
KT-474**

**IRAK4 Degradation leads to Early POC
in HS and AD**



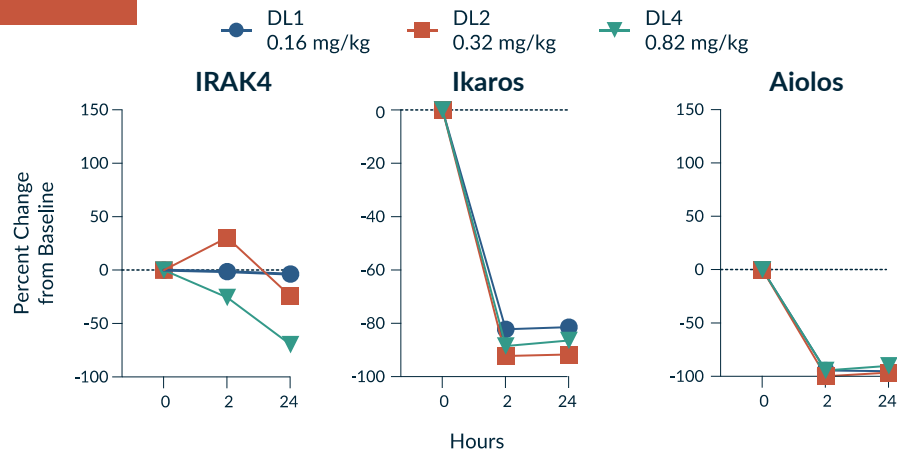
**STAT3 Degradation Leads to Major Response
in cHL Patient**

**STAT3
KT-333**



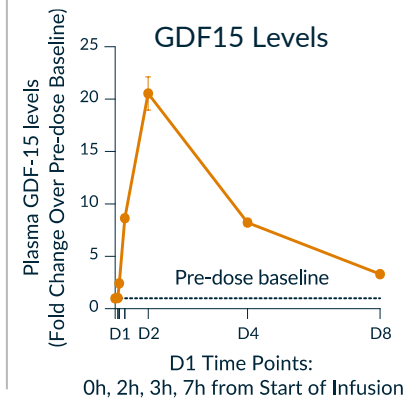
**IRAKIMID
KT-413**

Degradation of IRAK4 and Ikaros/Aiolos

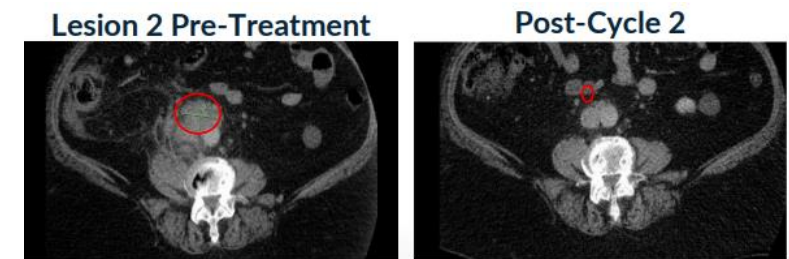


**MDM2 Degradation Leads to
Major Response in MCC Patient with no Heme-tox**

**MDM2
KT-253**

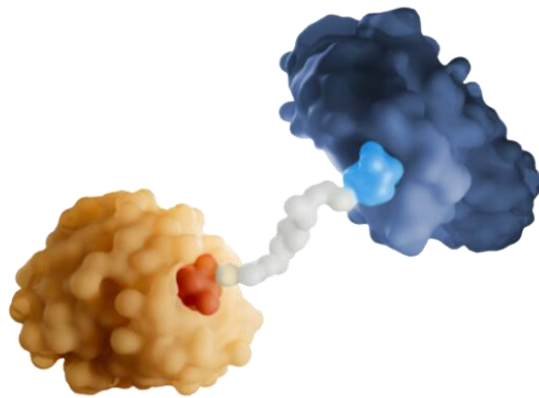


Lesion Size Reduction in MCC Patient



Building a Global Medicines Company

Pioneering a new modality
2016-2020

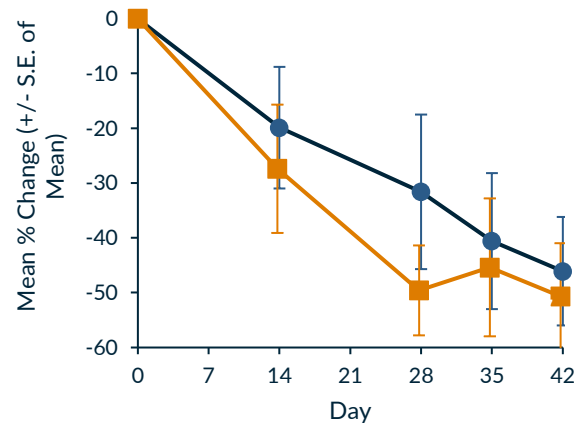


Focused on undrugged targets within clinically validated pathways

Forged multiple strategic partnerships to forward integrate (>\$3B total value)

Developed industry leading capabilities in TPD and novel E3s

Demonstrating early POC
2021-2023



Advanced four drug candidates into clinic demonstrating clinical activity in oncology and immunology

Initiated two Phase 2 studies in significant immunology indications with Sanofi

Demonstrated potential for biological and clinical superiority of degrader vs. SMIs

Delivering a new generation of medicines
2024-2028






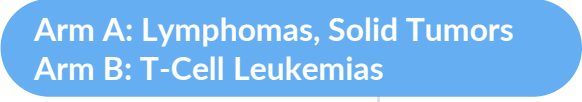
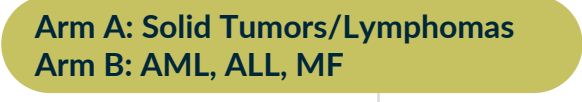
Focus on large clinical/commercial opportunities with oral degraders

Increase investments in I&I

Complete multiple POC studies in large indications and launch several registrational studies

Build towards a fully integrated global biotech

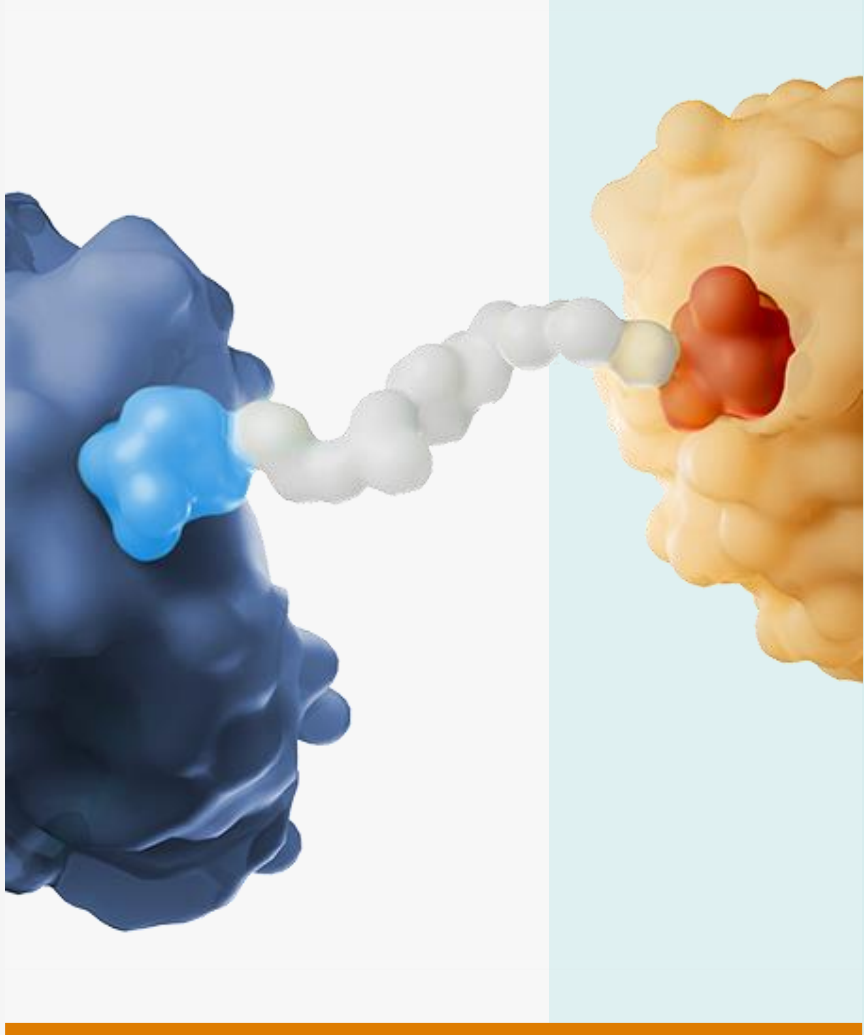
Clear Line of Sight to Substantial Patient Impact and Value Creation

| | Potential Indications | IND-enabling | Phase 1 | Phase 2 | Upcoming Milestones | Rights |
|--|--|--|----------|---------|---------------------------|-------------------------------------|
| Immunology – Oral QD Small Molecule Degraders | | | | | | |
| IRAK4 ¹ KT-474 | HS, AD, RA, Asthma, IBD, others ² |  | HS AD | | Ph2 HS & AD Data: 1H25 | 50/50 US sanofi KYMERA |
| STAT6 KT-621 | AD, Asthma, COPD, PN, CRSwNP, EoE, others |  | | | Phase 1 Start: 2H24 | KYMERA |
| TYK2 KT-294 | Psoriasis, IBD, PsA, Lupus, others |  | | | Phase 1 Start: 1H25 | KYMERA |
| Oncology | | | | | | |
| STAT3 KT-333 ³ | cHL, PTCL, LGL-L, CTCL, Solid Tumors |  | | | Ph1 Data: 2H24 | KYMERA |
| MDM2 KT-253 | Liquid & Solid Tumors |  | | | Ph1 Data: 2H24 | KYMERA |

¹KT-474 (SAR444656) partnered with Sanofi, with Kymera option to participate in the development and commercialization, and 50/50 profit split, in the United States. Double digit tiered royalties in ROW.

²Current indications: HS and AD. Other diseases shown, where IL-1R/TLR pathway has been implicated in pathogenesis, are additional potential opportunities.

³Assessment of STAT3 I/I opportunity is ongoing.

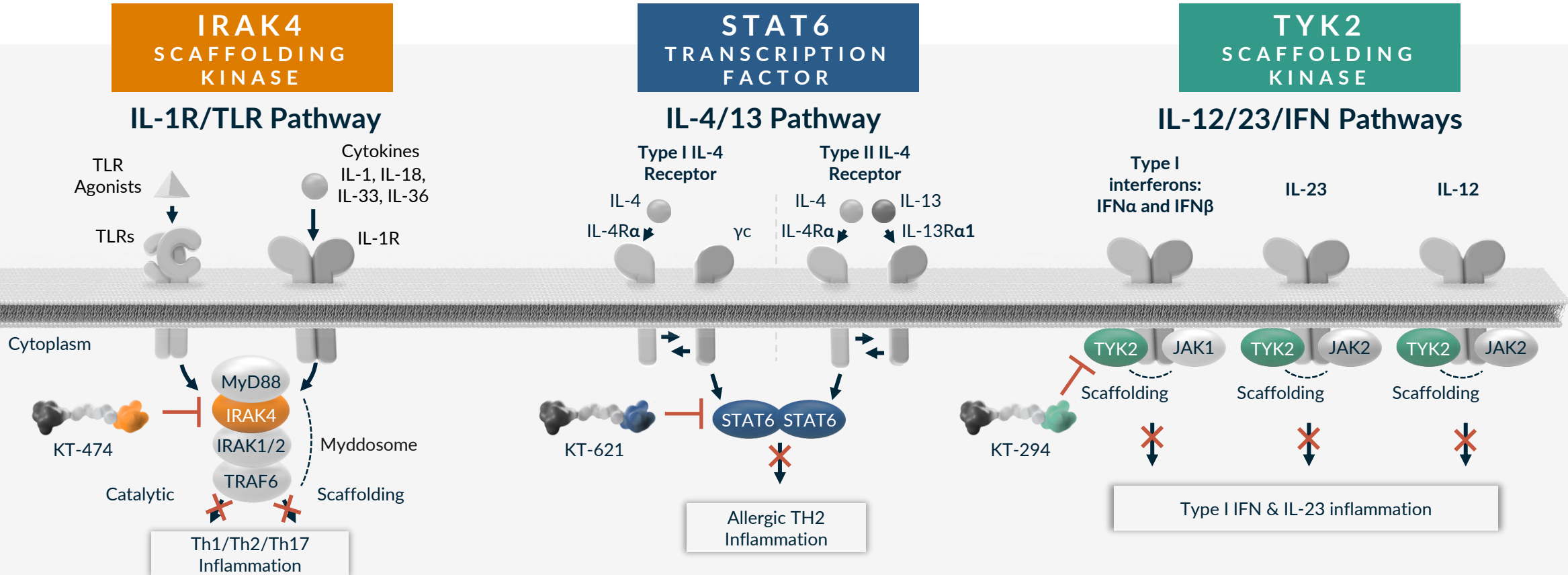


Kymera's Immunology Pipeline

IRAK4, STAT6, TYK2

Kymera Immunology Oral Degradable Portfolio

Complementary, First-in-class Mechanisms

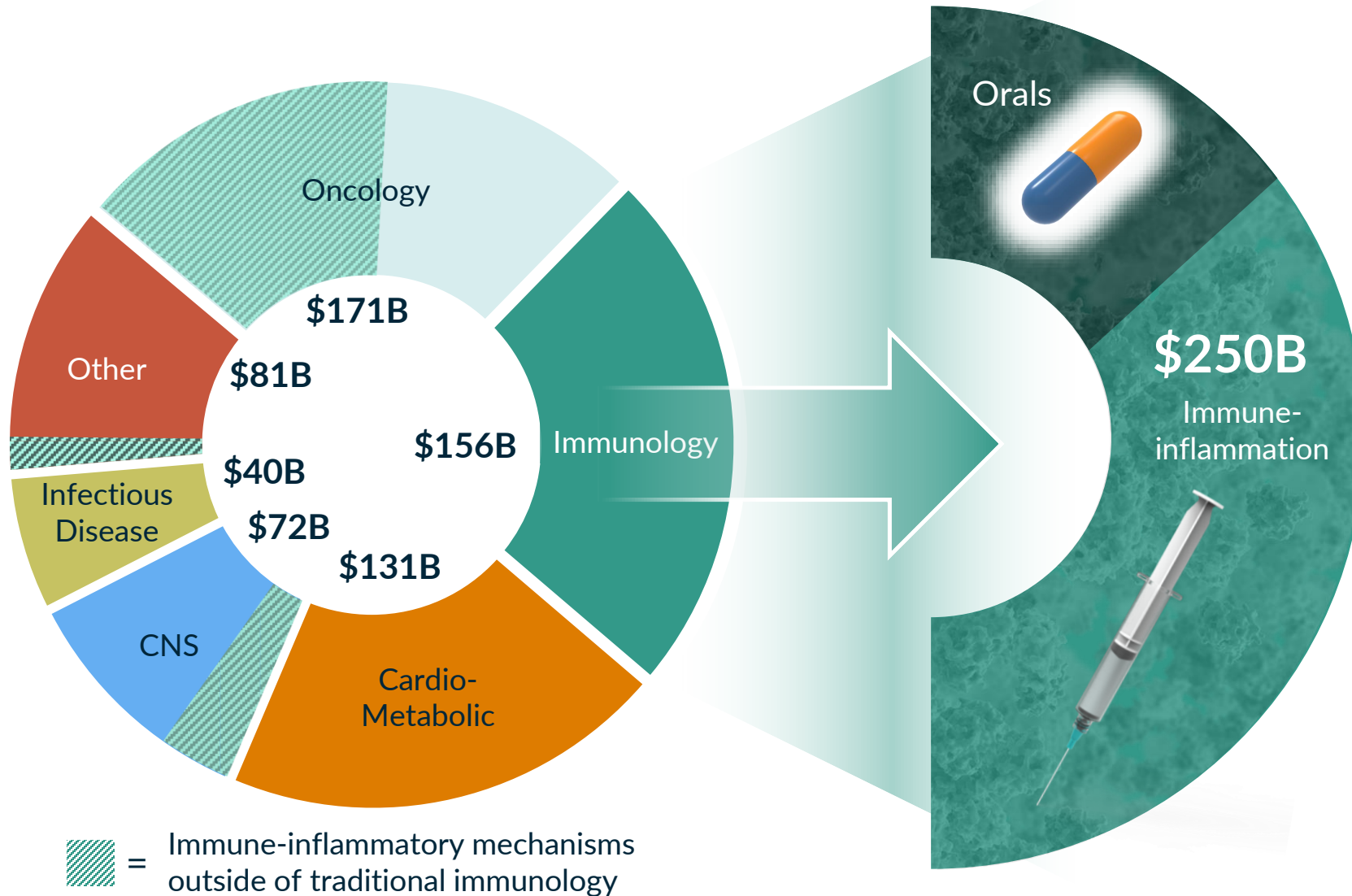


IRAK4 is master regulator of innate immunity with scaffolding and kinase functions

STAT6 is the only specific transcription factor responsible for **IL-4/13** signaling

TYK2 is a JAK family scaffolding kinase required for **Type I IFN, IL-12 and IL-23** cytokine signaling

The Opportunity in Immunology



Immune-inflammation is a **\$250B WW market¹** spanning multiple therapeutic areas.

Injectables dominate, comprising >75% of the established market.

¹Revenues from Top 1,000 worldwide brands by revenue; Source: GlobalData; 2022 Non-Covid, Non-Vaccine Rx Market

Why Small Molecule Oral Degraders in Immunology



Key pathways/cytokines validated as drivers of many diseases in I&I

Biologics blocking these pathways/cytokines have revolutionized treatment

Biologics are injected, can be inconvenient for patients and costly to manufacture

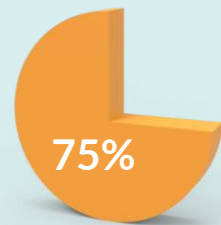
Traditional small molecule inhibitors insufficiently block these pathways, limiting efficacy

Oral Degraders Can Offer Biologic-like Activity in a Pill

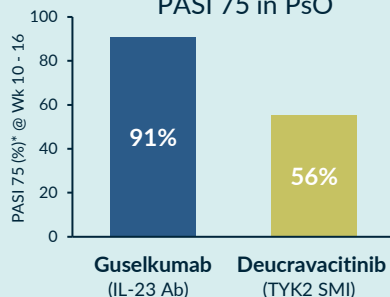


Degraders can provide comparable pathway inhibition to biologics, convenience of oral dosing, ease of manufacturing and potentially access broader populations

Patients on Biologics that Would Switch to Orals¹



IL-23 Biologics vs TYK2 SMI²
PASI 75 in PsO



Revolutionizing Immunology with Small Molecule Oral Degraders

IRAK4 (KT-474) SCAFFOLDING KINASE

STAT6 (KT-621) TRANSCRIPTION FACTOR

TYK2 (KT-294) SCAFFOLDING KINASE

| | | | |
|------------------------------|---|---|--|
| Status | <ul style="list-style-type: none"> Phase 2 Trials in HS and AD with Sanofi | <ul style="list-style-type: none"> IND-Enabling | <ul style="list-style-type: none"> IND-Enabling |
| Potential Indications | <ul style="list-style-type: none"> HS, AD, RA, Asthma, COPD, IBD, others¹ | <ul style="list-style-type: none"> AD, Asthma, COPD, PN, CRSwNP, EoE, others | <ul style="list-style-type: none"> PsO, IBD, PsA, Lupus, others |
| Next Milestone | <ul style="list-style-type: none"> HS and AD Ph2 data: 1H 2025 | <ul style="list-style-type: none"> FIH: 2H 2024 | <ul style="list-style-type: none"> FIH: 1H 2025 |
| Opportunity | <ul style="list-style-type: none"> First-in-class broad anti-inflammatory oral degrader | <ul style="list-style-type: none"> Dupilumab-like activity in a pill | <ul style="list-style-type: none"> Biologic-like activity in a pill |
| Commercial Rights | <ul style="list-style-type: none"> Up to 50% US with Sanofi, tiered royalties in ROW² | <ul style="list-style-type: none"> Wholly owned | <ul style="list-style-type: none"> Wholly owned |

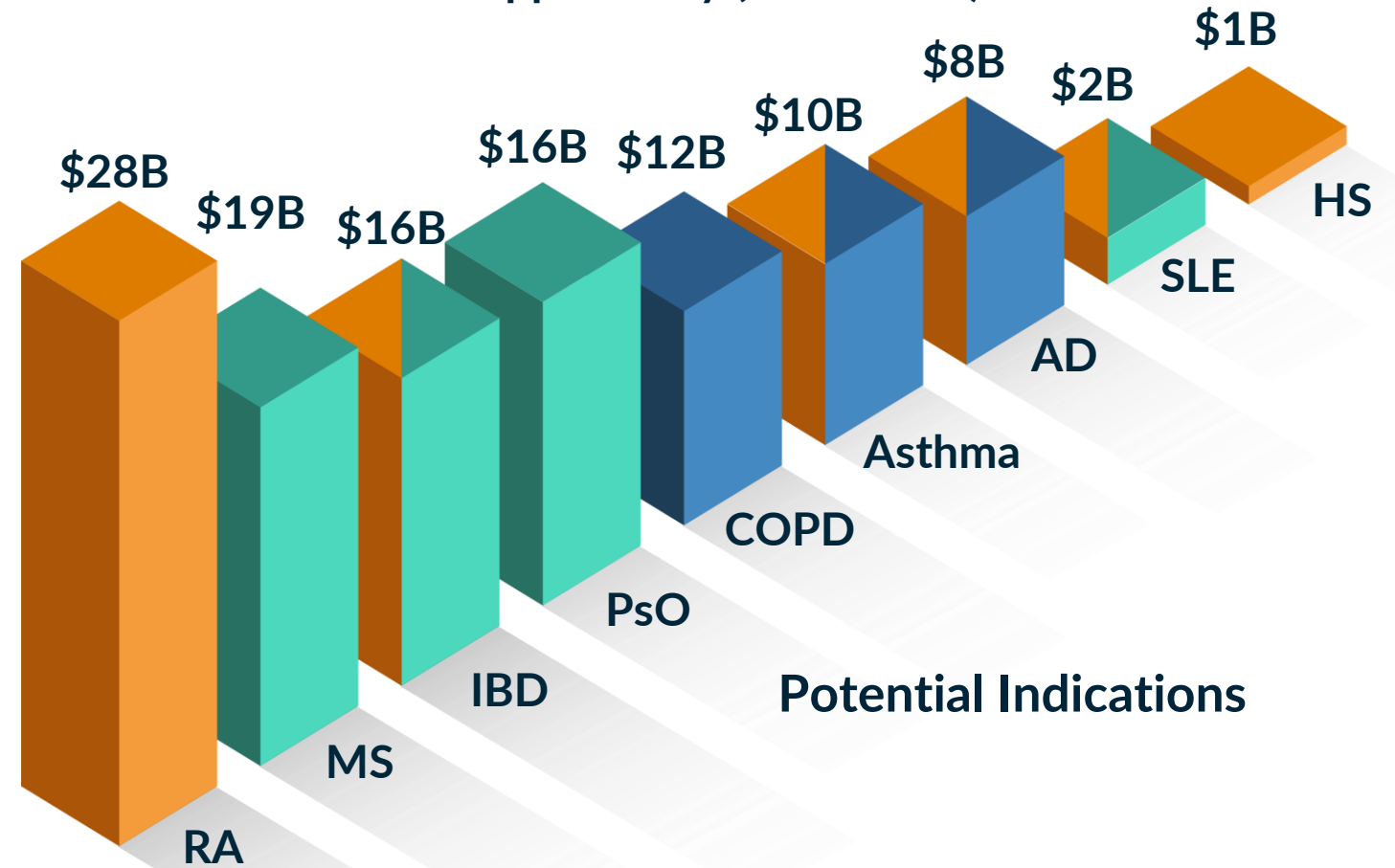
¹Current indications; HS and AD. Other diseases shown, where IL-1R/TLR pathway has been implicated in pathogenesis, are additional potential opportunities; ²KT-474 (SAR444656) partnered with Sanofi, with Kymera option to participate in the development and commercialization, and 50/50 profit split, in the United States. Double digit tiered royalties in ROW.

Kymera Immunology Oral Degradator Portfolio

Complementary Mechanisms Each with Mega-blockbuster Potential

Market Opportunity (2022 Sales)

- **IRAK4¹:** IL-1R/TLR pathway
Th1/17/Th2 biology
- **STAT6:** IL-4/13 pathway
Th2 biology
- **TYK2:** IL-23/IFN pathway



GlobalData, focused only on large markets based on 2022 sales of approved drugs

¹Current indications; HS and AD. Other diseases shown, where IL-1R/TLR pathway has been implicated in pathogenesis, are additional potential opportunities



KT-474 (SAR444656)

A First-in-Class Oral IRAK4 Degradator

IRAK4 Biology and Target Rationale

Target Rationale

- IRAK4 is an obligate node in IL-1R/TLR signaling, and its degradation is the only approach to fully block the pathway

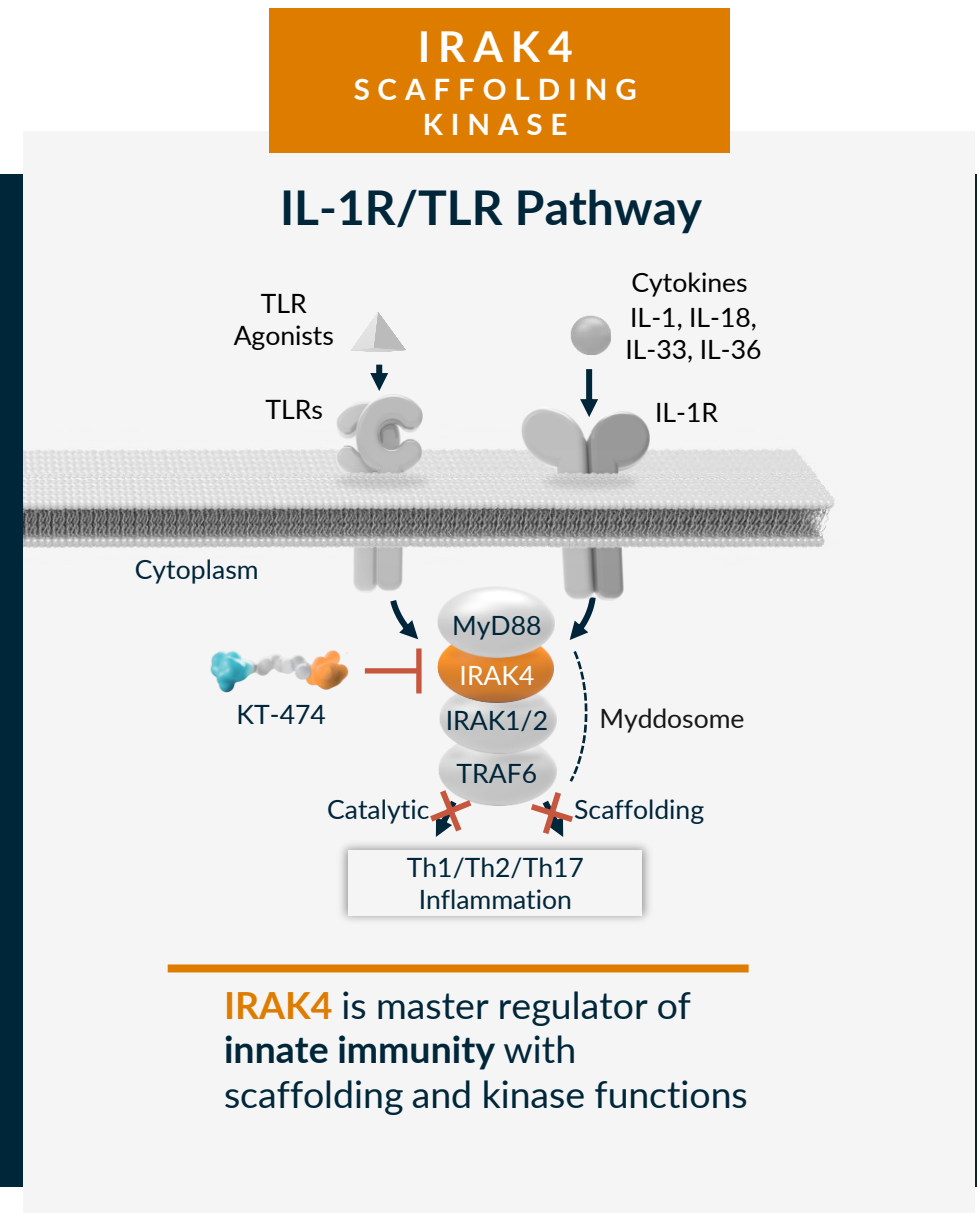
Human Genetics

- Adult humans with IRAK4 null mutation are healthy

Clinical Pathway Validation

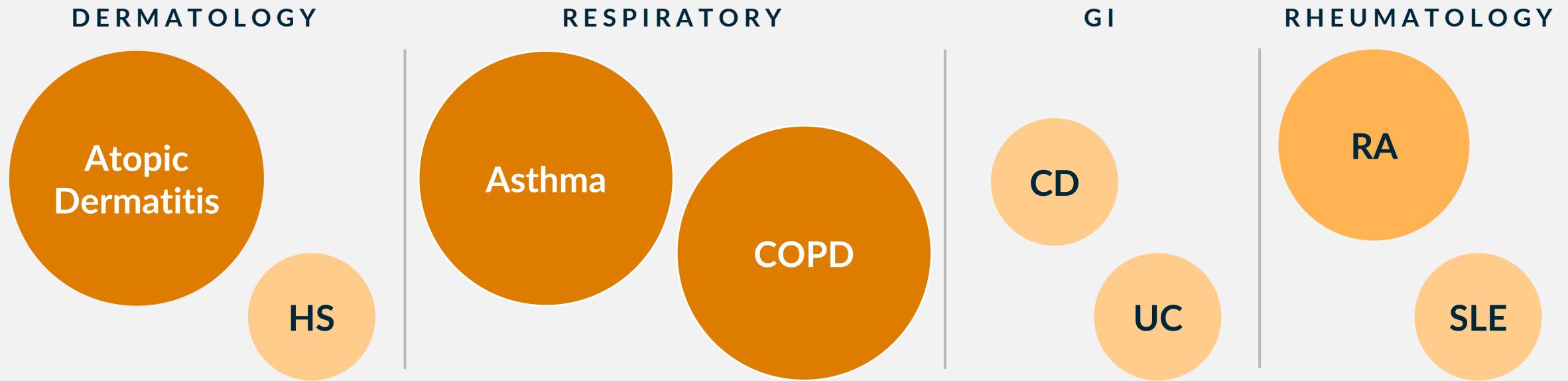
- IRAK4 degradation has the potential to achieve a broad, well-tolerated anti-inflammatory effect
- Multiple development opportunities in immune-inflammatory diseases which signal through MyD88/IRAK4 have been validated¹:
 - IL-1 α /IL-1 β : RA, CAPS, HS, AD, Gout
 - IL-18: AD, Macrophage Activation Syndrome
 - IL-36: Generalized Pustular Psoriasis, AD
 - IL-33: Asthma
 - IRAK4 SMI: RA

Adapted from West NT. Front Immunol 2019



¹Current indications; HS and AD. Other diseases shown, where IL-1R/TLR pathway has been implicated in pathogenesis, are additional potential opportunities

IL-1R/TLR Pathway Potential Impact Across Multiple Immune-Inflammatory Diseases



Total Potential Patient Impact¹: **>150M patients**

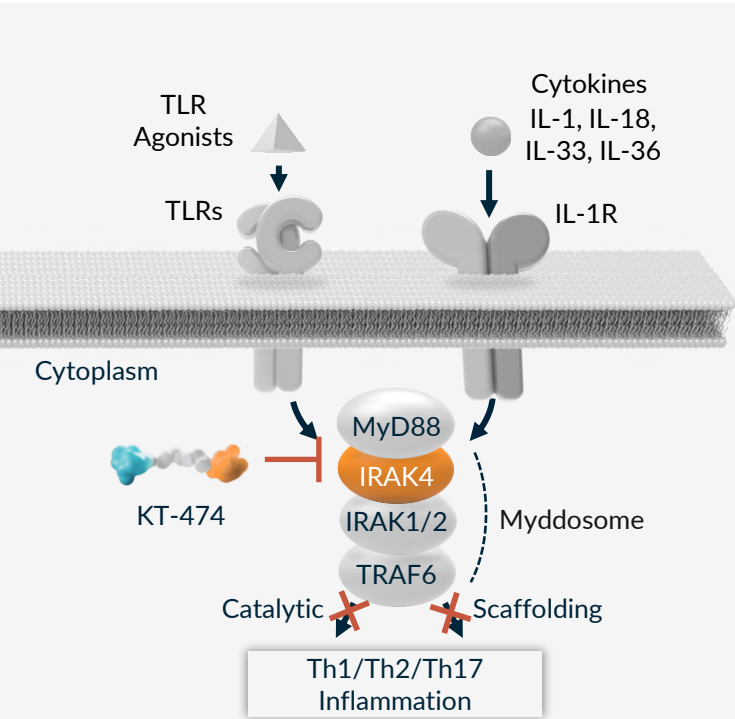
Numerous indication opportunities across multiple therapeutic areas validated by sub-optimal pathway inhibitors

IRAK4 degradation leading to full pathway inhibition has the potential to deliver superior profile to upstream biologics

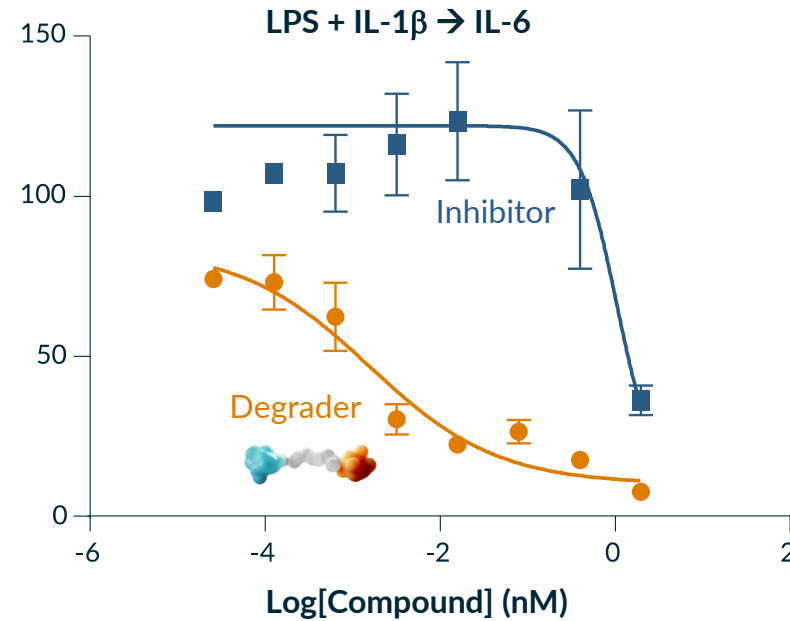
Oral degrader medicines offer opportunity to reach broader patient populations

¹GlobalData (2022 diagnosed prevalent patient population for US/EU5/JP)

IRAK4 Degradation Advantage



Only Degradation Can Fully Block Inflammation



Preclinical Data (Kymera IRAK4 Background)

- IRAK4 KO is able to block TLR activation unlike the kinase dead rescue
- IRAK4 **scaffolding function** is critical in Myddosome formation and pathway signaling
- IRAK4 degradation, but not kinase inhibition, can **block TLR induced NF- κ B translocation** and **IL1R+TLR activation**
- IRAK4 degradation is superior to kinase inhibition at **blocking downstream phosphoproteome**
- IRAK4 degradation is superior to inhibition in a **variety of preclinical efficacy models**

IRAK4 caps the oligomer size of MYD88 to trigger myddosome formation

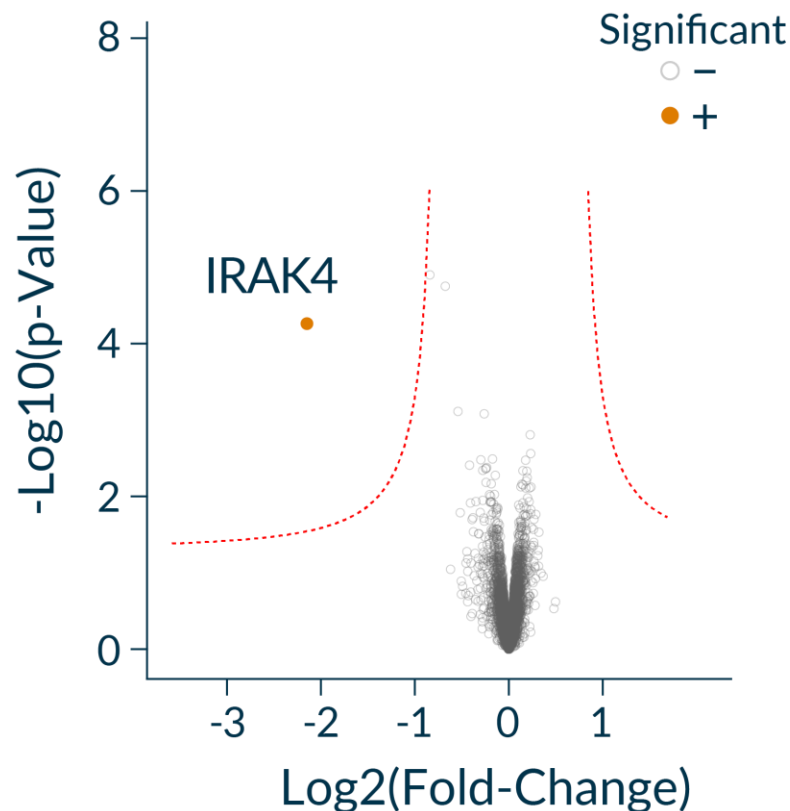
Clinical Data (Nature Medicine*)

- IRAK4 degradation **reduces signs and symptoms of HS and AD**, while IRAK4 SMI inactive in Phase 2 HS trial
- IRAK4 blocks inflammation in blood and skin of HS and AD patients

*Ackerman, et al., *Nature Medicine* (2023).

KT-474: Selective and Potent IRAK4 Degradator Active in Multiple Cell Types

Selectivity in PBMC



KT-474 selectively degrades IRAK4 in human immune cells at concentration 10-fold above the DC_{90}

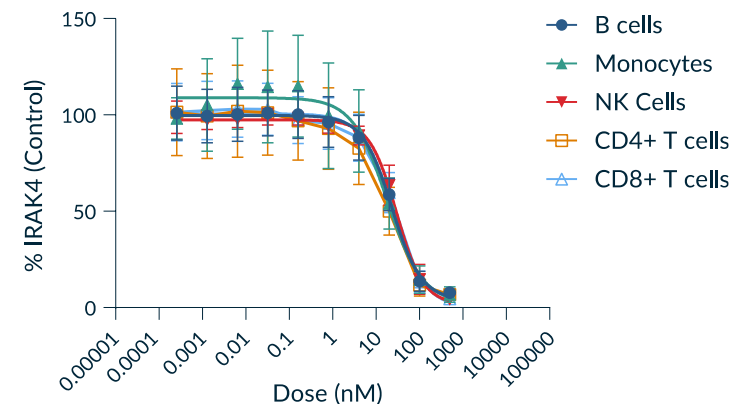
Potent degradation in PBMC subsets and skin cells including fibroblasts, with single-digit nM DC_{50}

Associated with functional inhibition of TLR- and $IL-1\beta$ -stimulated cytokine production

Comprehensive understanding of degradation kinetics across cell types to enable human translation

Potency in Blood and Skin Cells

KT-474 Degradation Across Immune Cell Types



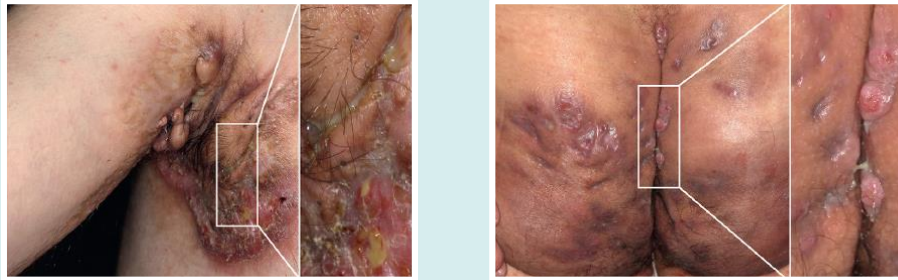
| Cell type (Human) | Source | KT-474 DC_{50} (nM) |
|-------------------|--------|-----------------------|
| Monocytes | Blood | 2.6 |
| B cells | Blood | 2.7 |
| CD4 T cells | Blood | 1.5 |
| CD8 T cells | Blood | 1.5 |
| NK cells | Blood | 1.8 |
| Fibroblasts | Skin | 1.5 |
| Keratinocytes | Skin | 7.8 |

Initial Clinical Focus for KT-474: Moderate to Severe HS and AD

Hidradenitis Suppurativa (HS)

Chronic and debilitating skin disease with painful nodules, abscesses and draining fistulae/tunnels

Major QoL impact: Pain, itching, depression, social isolation



Many diagnosed in their 20s/30s; more common in females (~3:1); prevalence estimated to be up to 1-3% of population in US and EU

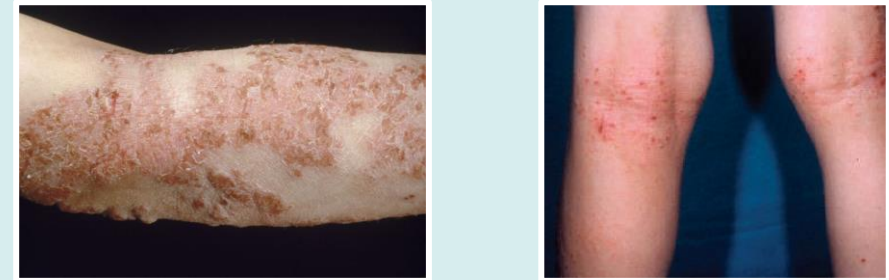
Lesions characterized by pleotropic inflammation with Th1/Th17 skewing; bacterial infection and tissue destruction leading to TLR activation; IL-1 and IL-36 production

Active agents approved or in development target TNF- α , IL-17 and JAK/STAT pathways

Atopic Dermatitis (AD)

Chronic inflammatory skin disease with scaly, dry, erythematous lesions; intense itching/scratching, predisposition to infections

Major QoL impact: Itching, pain, sleep disturbance



Onset usually in early childhood; affects an estimated 98 million adults in US/EU5/JP¹

Lesions characterized by pleotropic inflammation with Th2 skewing; bacterial infection and skin barrier breakdown leading to TLR activation; IL-33 and IL-1 production

Active agents approved or in development target IL-4/IL-13, JAK/STAT and OX40/OX40-L pathways

KT-474 Opportunity: Potential for broad anti-inflammatory effect, competitive efficacy vs. pathway biologics and convenience of once-daily oral dosing

¹GlobalData – undiagnosed, all-age prevalence

KT-474 Phase 1: Compelling Data and Early POC in HS and AD

Healthy Volunteers (HV): SAD and MAD

- Evaluated safety, tolerability and pharmacokinetics in 105 healthy volunteers
 - SAD: Oral doses of 25-1600 mg
 - MAD: Escalating doses up to 200 mg were administered for 14 consecutive days
- Robust (>95%) and sustained IRAK4 degradation with single and multiple daily doses
- Broad inhibition of *ex vivo* TLR-mediated cytokine induction
- Generally well-tolerated across all dose groups



HS and AD Patient Cohort

- Open label study in 21 patients with HS and AD
- Dose: 75 mg QD with food (equivalent exposure to 100 mg fasted), administered for 28 consecutive days
- Safety, PK and PD comparable to healthy volunteers
- Robust IRAK4 degradation in blood and skin with associated systemic anti-inflammatory effect in HS and AD patients
- Promising clinical activity observed in HS and AD

nature medicine



Article

<https://doi.org/10.1038/s41591-023-02635-7>

IRAK4 degrader in hidradenitis suppurativa and atopic dermatitis: a phase 1 trial

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[Check for updates](#)

Lindsay Ackerman¹, Gerard Acloque², Sandro Bacchelli³, Howard Schwartz⁴, Brian J. Feinstein⁵, Phillip La Stella⁶, Afsaneh Alavi⁷, Ashwin Gollerkeri⁸, Jeffrey Davis⁹, Veronica Campbell¹⁰, Alice McDonald¹¹, Sagar Agarwal¹², Rahul Karnik¹³, Kelvin Shi¹⁴, Aimee Mishkin¹⁵, Jennifer Culbertson¹⁶, Christine Klaus¹⁷, Bradley Enerson¹⁸, Virginia Massa¹⁹, Eric Kuhn²⁰, Kirti Sharma²¹, Erin Keaney²², Randy Barnes²³, Dapeng Chen²⁴, Xiaozhang Zheng²⁵, Haojing Rong²⁶, Vijay Sabesan²⁷, Chris Ho²⁸, Nello Mainolfi²⁹, Anthony Slavin³⁰ & Jared A. Gollob³¹✉

News & views

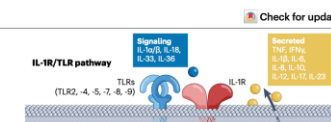
Targeted therapy

<https://doi.org/10.1038/s41591-023-02622-y>

PROTACs reach clinical development in inflammatory skin disease

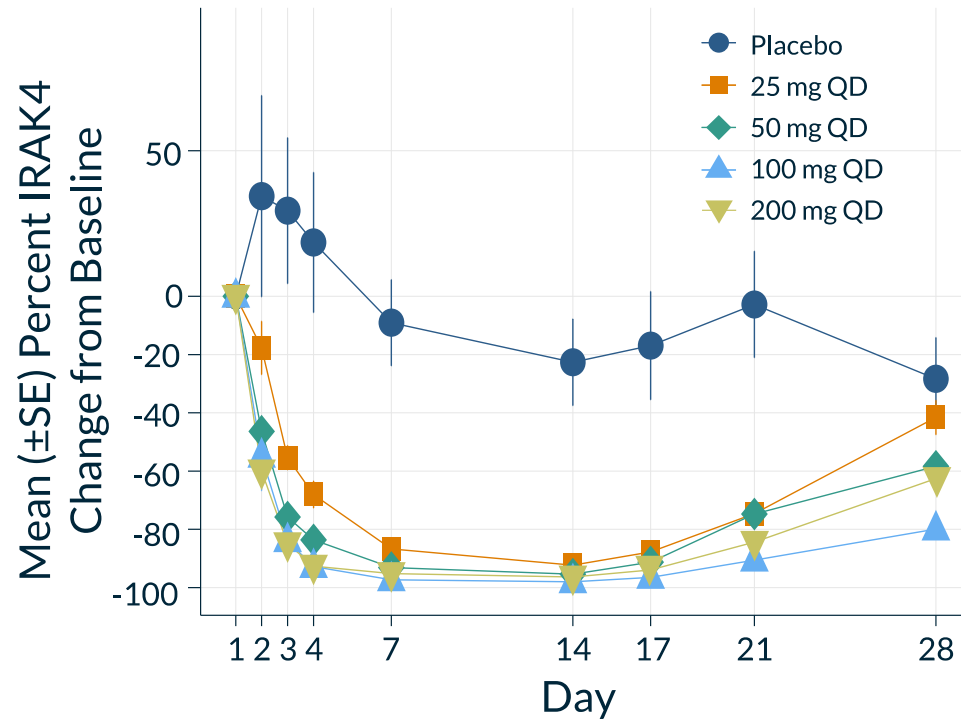
Fleur M. Ferguson

A phase 1 trial of an IRAK4-targeted protein degrader in patients with chronic inflammatory skin diseases hits an important milestone for the safe application of this drug class beyond oncology.



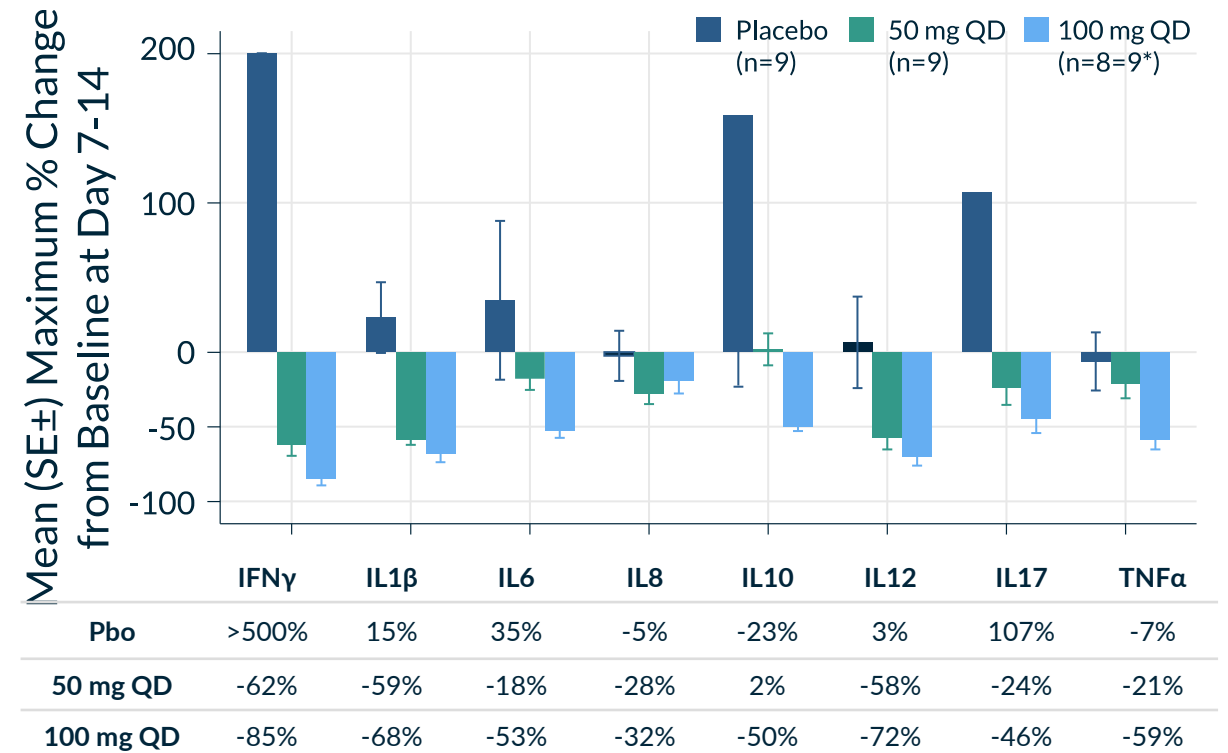
Near-Complete Degradation and Broad Cytokine Impact in Healthy Volunteers

Mean % Reduction of IRAK4
(Daily oral doses for 14 days)



Ex Vivo Inhibition of 9 Disease-Relevant Cytokines, Day 7-14

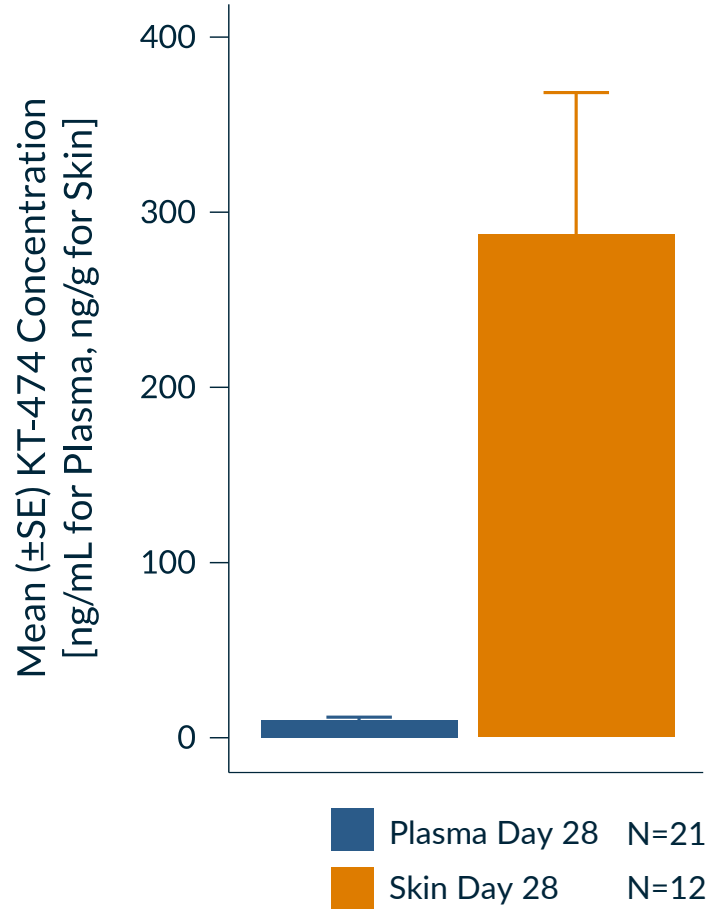
R848 (TLR7/8) Stimulation



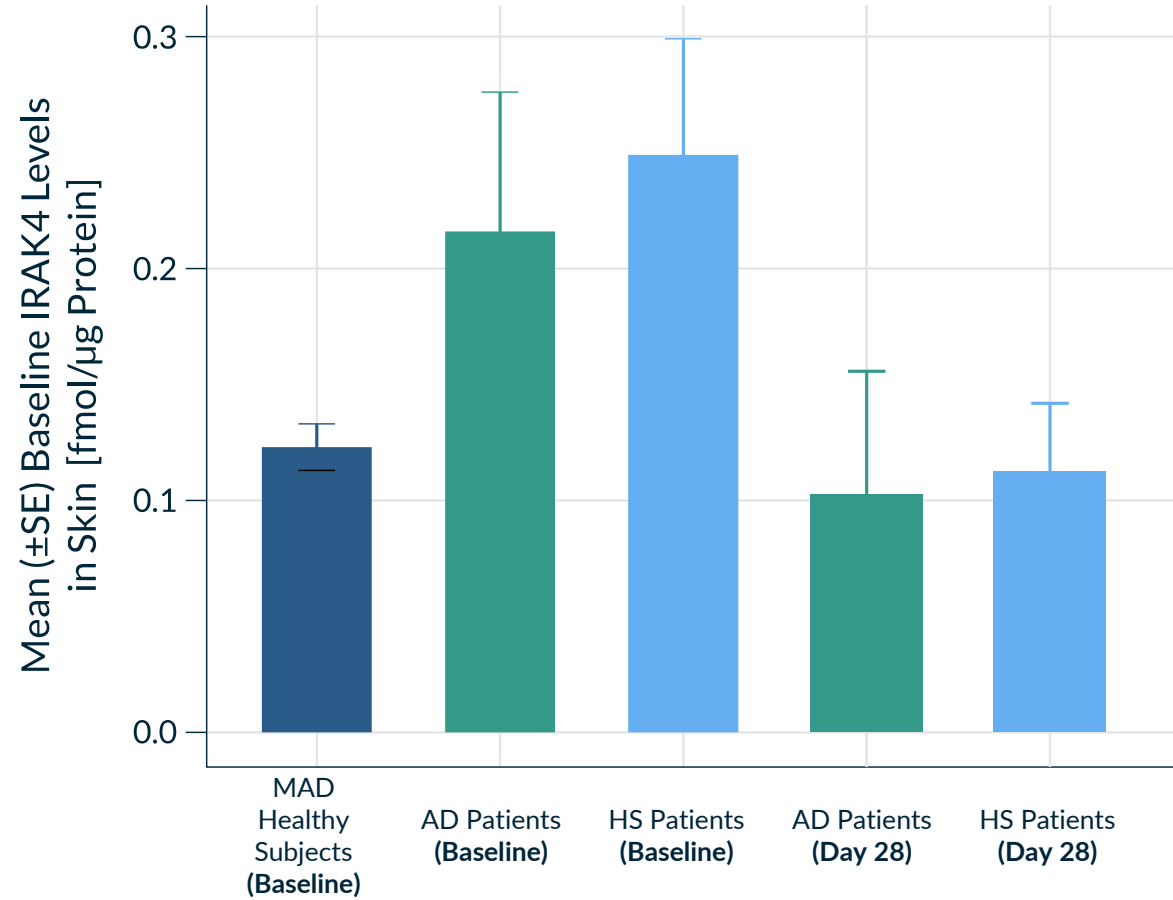
- High fidelity of PKPD translation from preclinical species to humans.
- Human efficacious concentrations (C_{trough} 3 ng/mL) and doses (50-200 mg) were correctly predicted

High Skin Exposure and Degradation in Skin of HS and AD Patients

High KT-474 Exposure in HS and AD Patients Skin



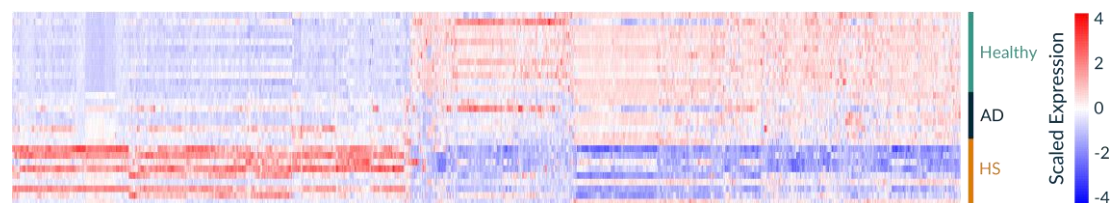
Reduced IRAK4 in Skin Lesions of AD and HS Patients



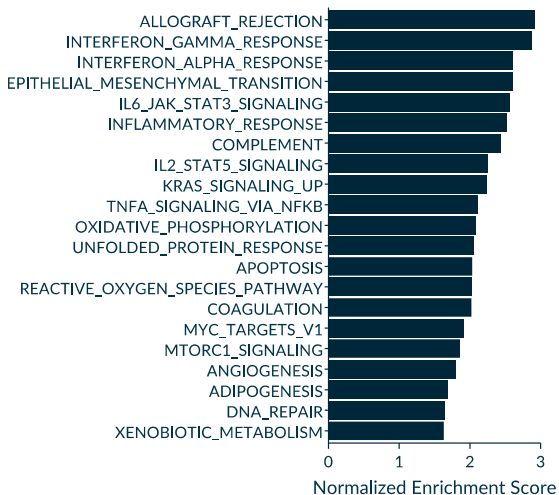
| | MAD Healthy Subjects (Baseline) | AD Patients (Baseline) | HS Patients (Baseline) | AD Patients (Day 28) | HS Patients (Day 28) |
|------|---------------------------------|------------------------|------------------------|----------------------|----------------------|
| N | 46 | 7 | 11 | 6 | 9 |
| Mean | 0.12 | 0.22 | 0.24 | 0.1 | 0.11 |

Upregulation of Multiple Inflammatory Pathways in HS and AD Skin Lesions and Impact of KT-474 Treatment

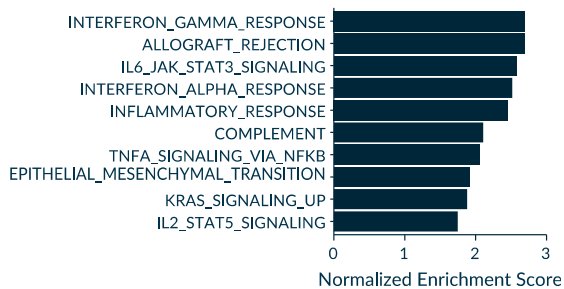
Upregulation of Inflammatory Genes/Pathways in HS and AD



HS vs Healthy

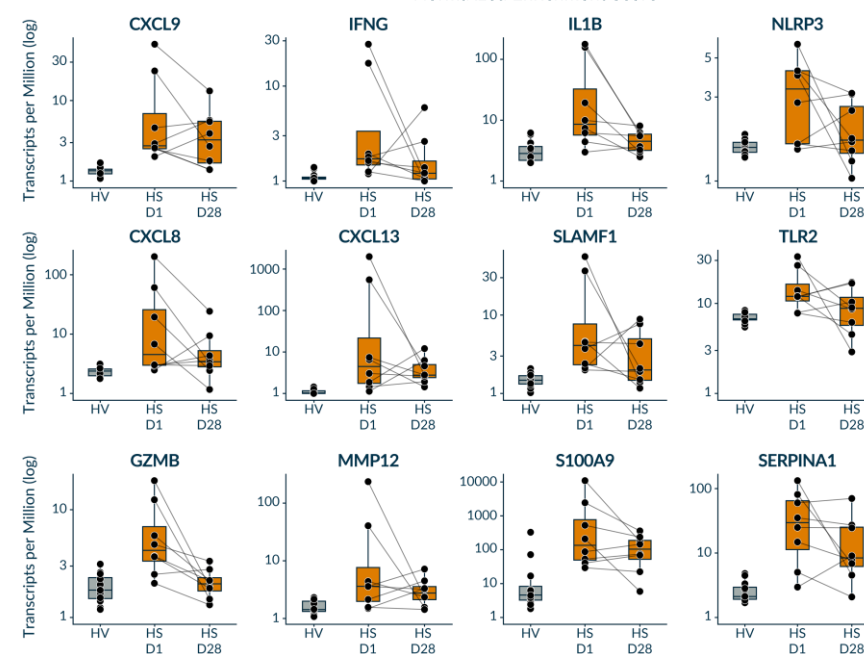
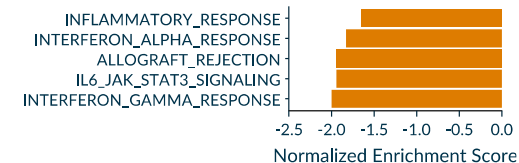


AD vs Healthy



Anti-inflammatory Effect of KT-474 Treatment in HS

HS D28 vs D1

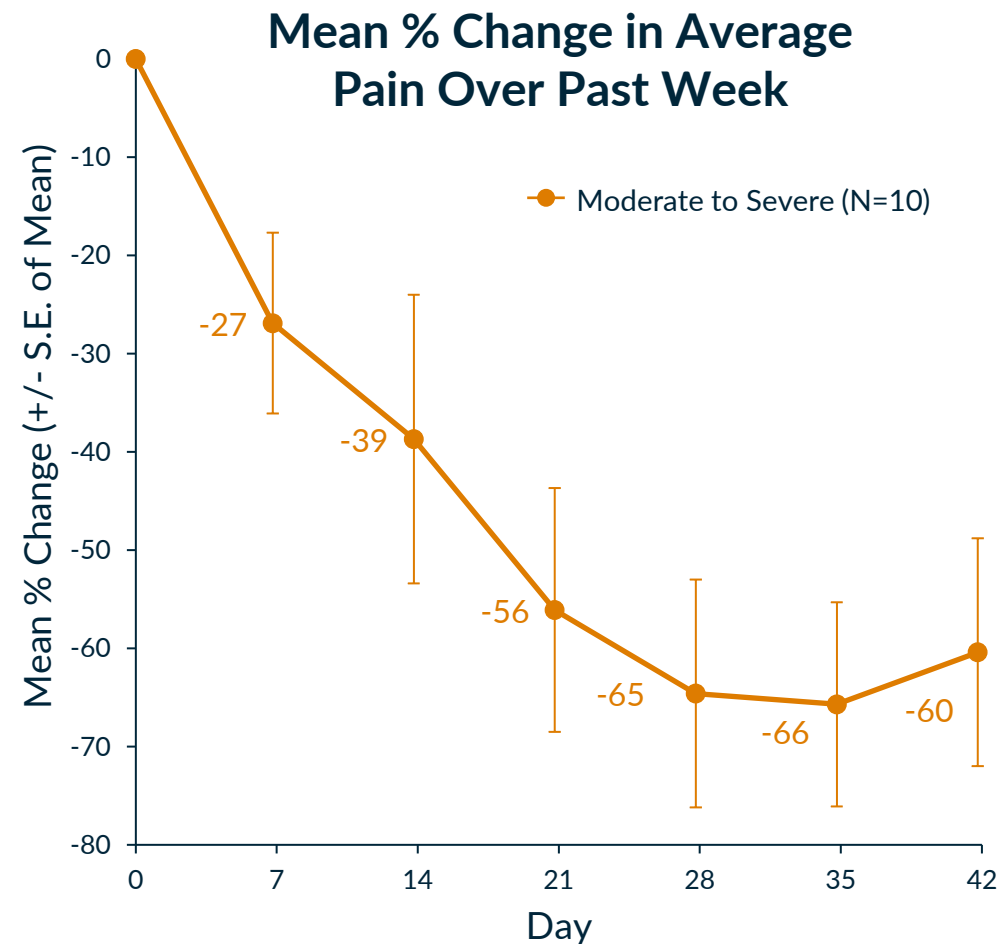
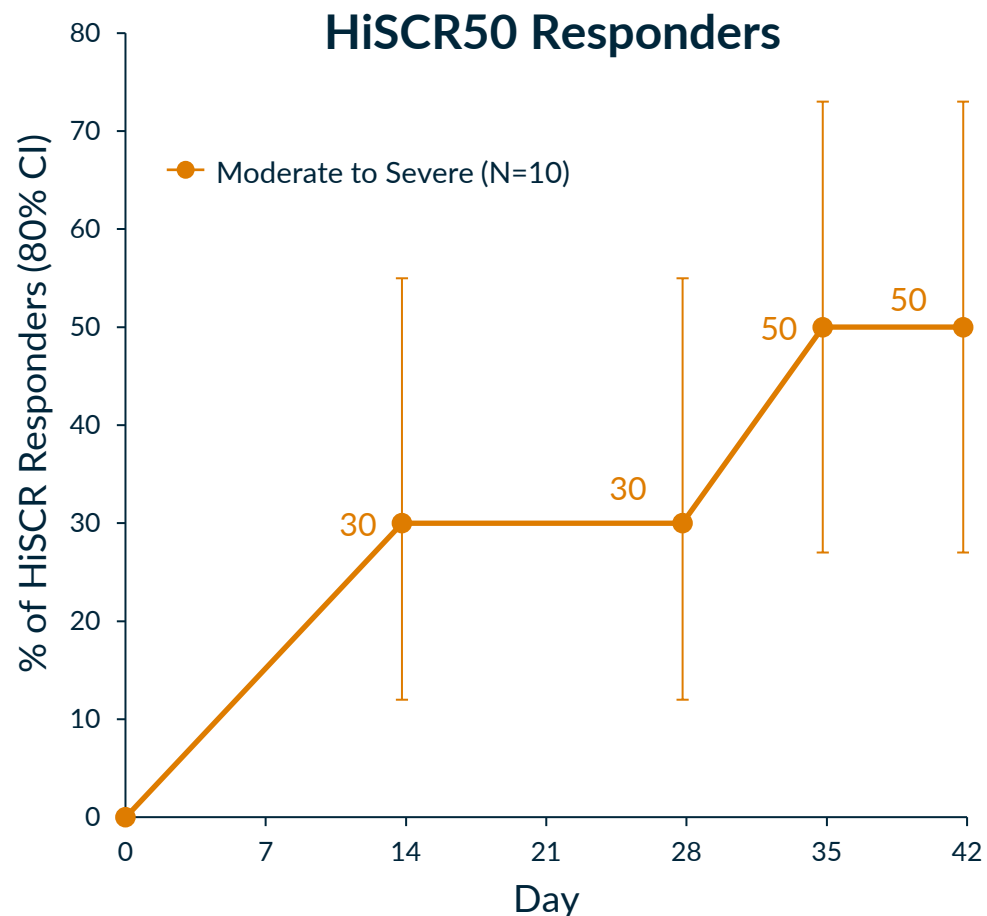


- Upregulation of pro-inflammatory genes and pathways in HS and AD skin lesions relative to healthy subjects

- Inflammatory burden greater in HS compared to AD, facilitating detection of downregulation following KT-474 treatment

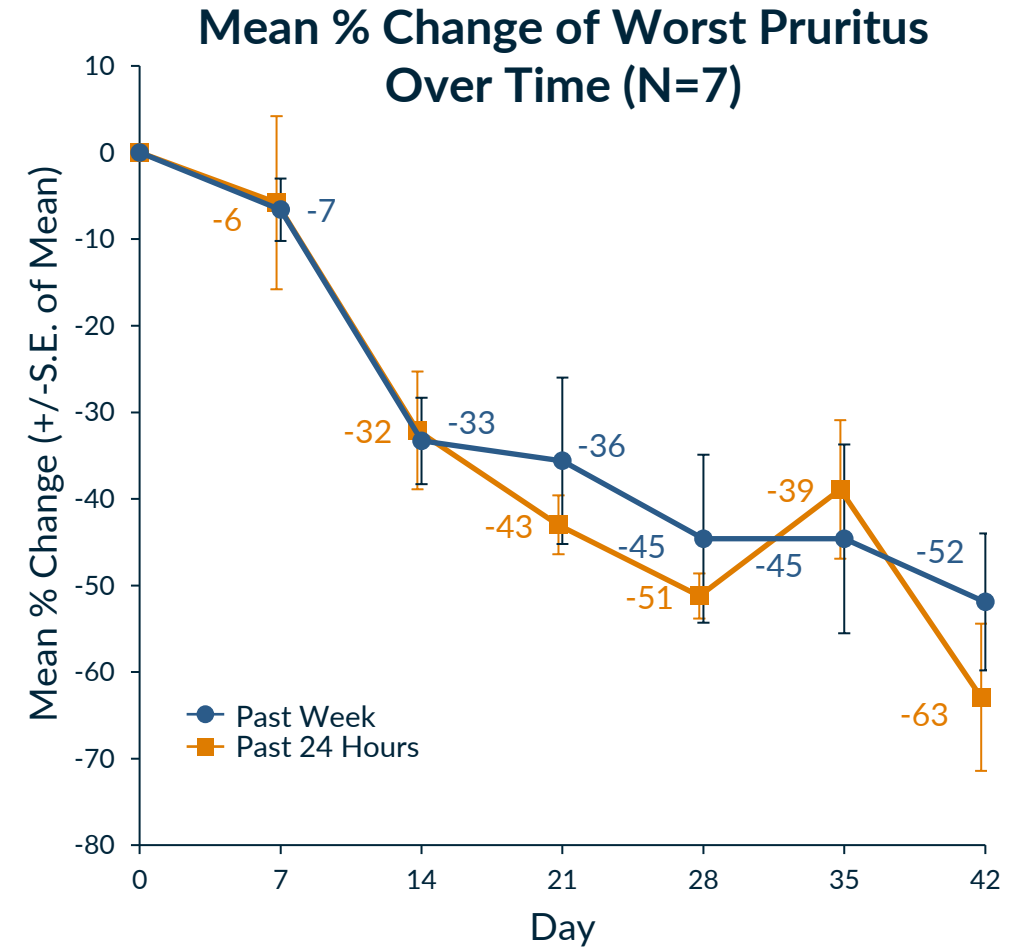
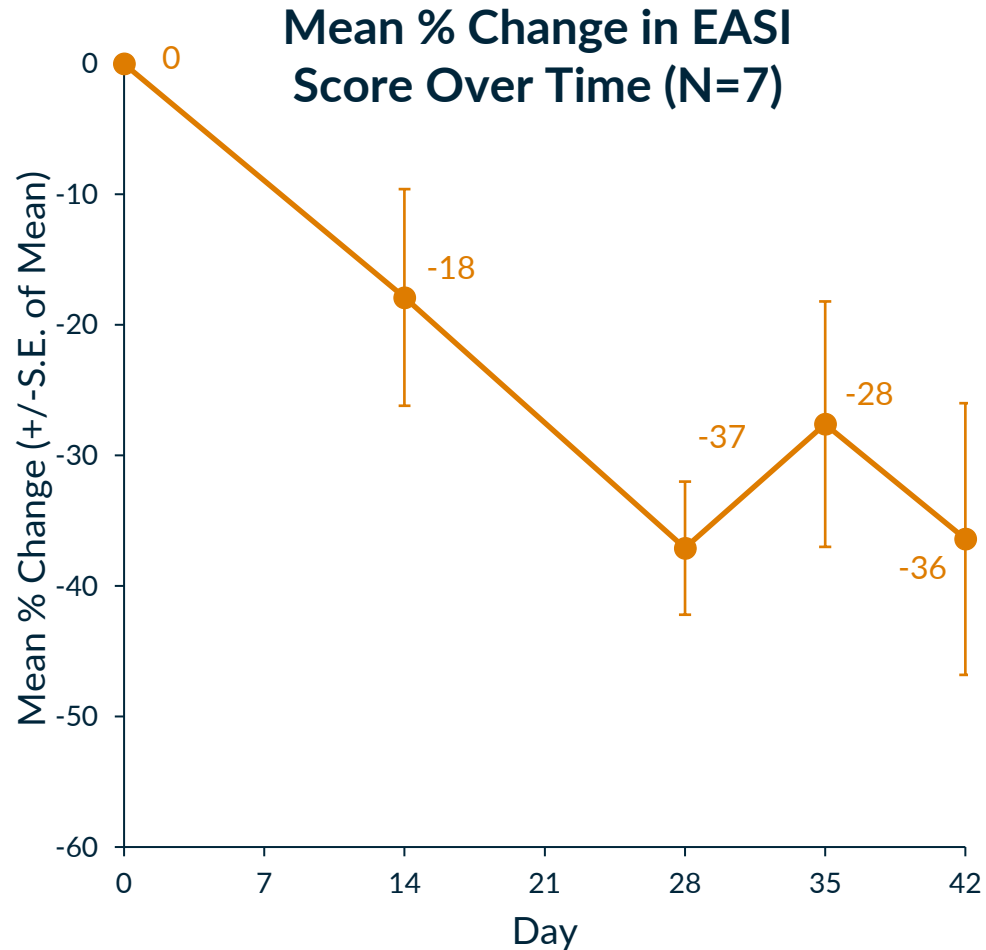
- Multiple Th1 and innate immunity genes linked to IRAK4-controlled IL-1R and TLR pathways downregulated in HS

Robust Clinical Impact in HS After Only 28 Days of Dosing



HiSCR50 response rate of up to 50% and pain reduction of up to 66% in moderate to severe HS patients

Robust Clinical Impact in AD After Only 28 Days of Dosing



EASI score reduction of up to 36% and pruritus reduction of up to 63% in moderate to severe AD patients

KT-474/SAR444656: Positioned for Clinical Success



Phase 2 HS Trial (ZEN)

- Double-blind, placebo-controlled
- Up to 99 patients, dosed for 16 weeks
- 1 KT-474 dose arm, 1 placebo arm
- Primary endpoint: % Change in AN Count
- Additional endpoints (select):
 - HiSCR50, IHS4, HS-Skin Pain-NRS30
- Primary completion (est.): February 2025

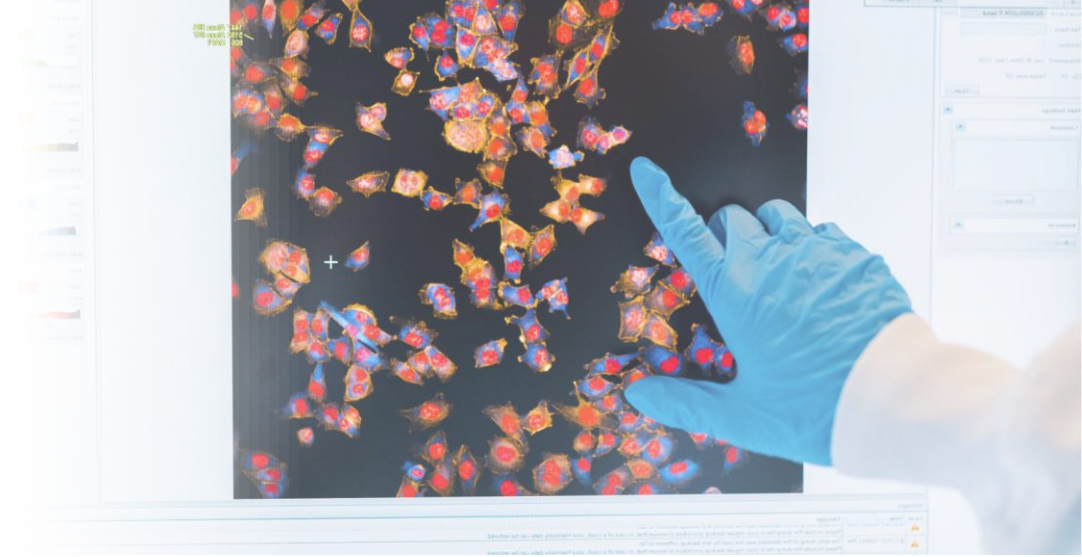
Phase 2 AD Trial (ADVANTA)

- Double-blind, placebo-controlled
- Up to 115 patients, dosed for 16 weeks
- 2 KT-474 dose arms, 1 placebo arm
- Primary endpoint: % Change in EASI
- Additional endpoints (select):
 - EASI 50/75/90, vIGA-AD, PP-NRS
- Primary completion (est.): January 2025

Topline data expected 1H 2025

Oral IRAK4 Degradator: KT-474

A best-in-pathway broad oral anti-inflammatory agent for multiple inflammatory diseases



Validated Biology

Mediates signaling through IL-1 and toll-like receptors

Upstream cytokine blockers with proven clinical activity across many diseases

Scaffolding kinase at the interface of innate and adaptive immune responses with a variety of functions

Competitive Profile

Potential for Broad Activity Across Th1-Th17 and Th2 Diseases

>\$50B in combined global drug sales¹ opportunity

Large potential for oral degraders with best in pathway efficacy

KT-474 Progress/Next Steps

Phase 1 complete:

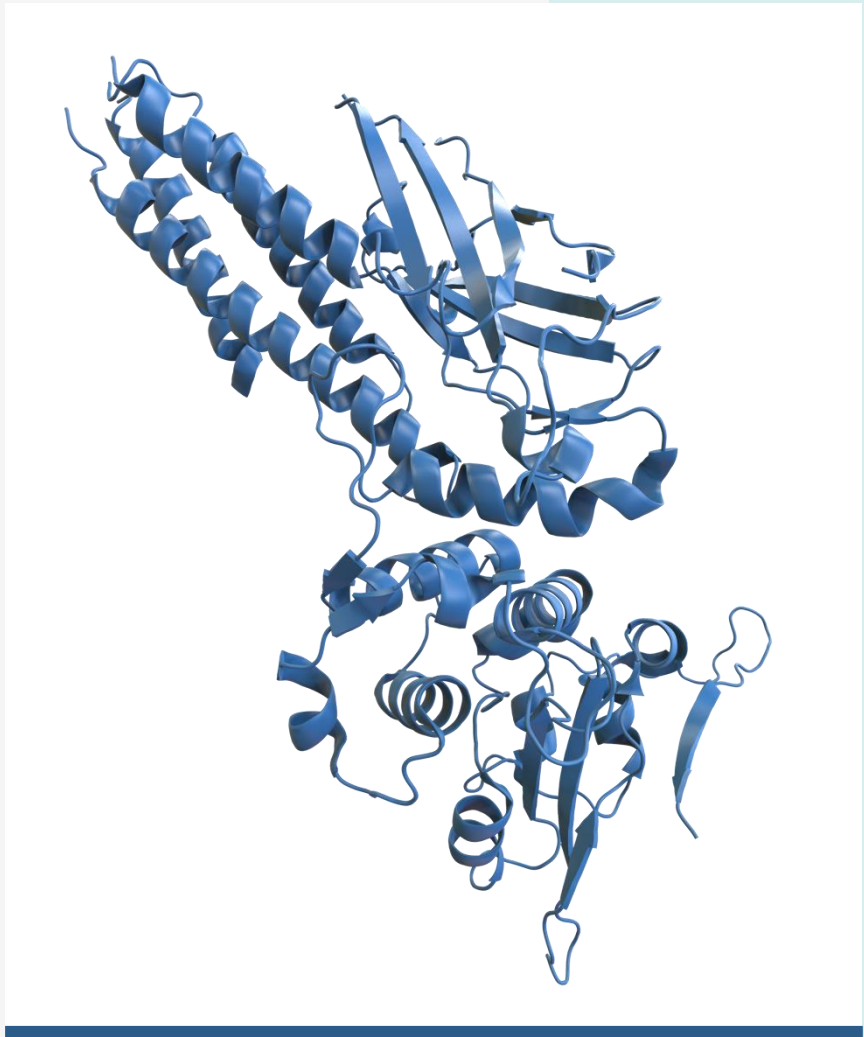
- Robust IRAK4 degradation
- Favorable safety profile
- Systemic suppression of proinflammatory cytokines and chemokines
- Early signs of strong clinical activity

Partner Sanofi conducting Phase 2 trials in HS and AD

Phase 2 data expected in 1H 2025

Activity and fidelity of translation of TPD platform in KT-474 Phase 1 trial informs probability of success with STAT6 and TYK2 immunology programs

¹GlobalData (2022 sales for AD, HS, Asthma, COPD, UC, CD, RA, SLE)



KT-621

A First-in-Class Oral STAT6 Degradator

STAT6 Biology and Target Rationale

Target Biology and rationale

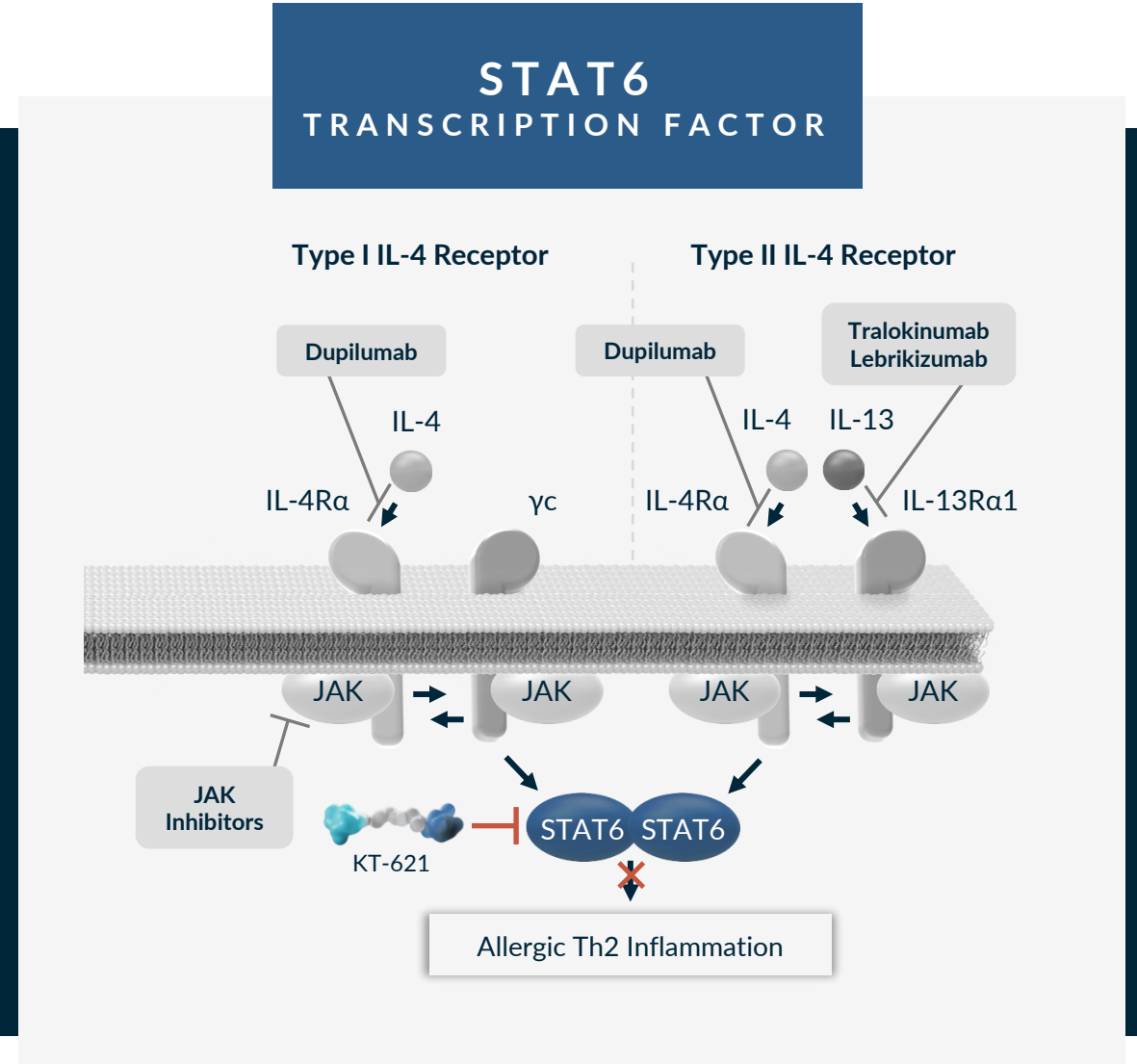
- STAT6 is the specific transcription factor required for IL-4 and IL-13 cytokine signaling
- STAT6 regulated cytokines are clinically validated targets for allergic diseases

Human and Mouse Genetics

- Gain of function (GOF) mutations of STAT6 cause severe allergic diseases in human
- STAT6 KO mice develop normally, are viable and fertile

Clinical Pathway Validation

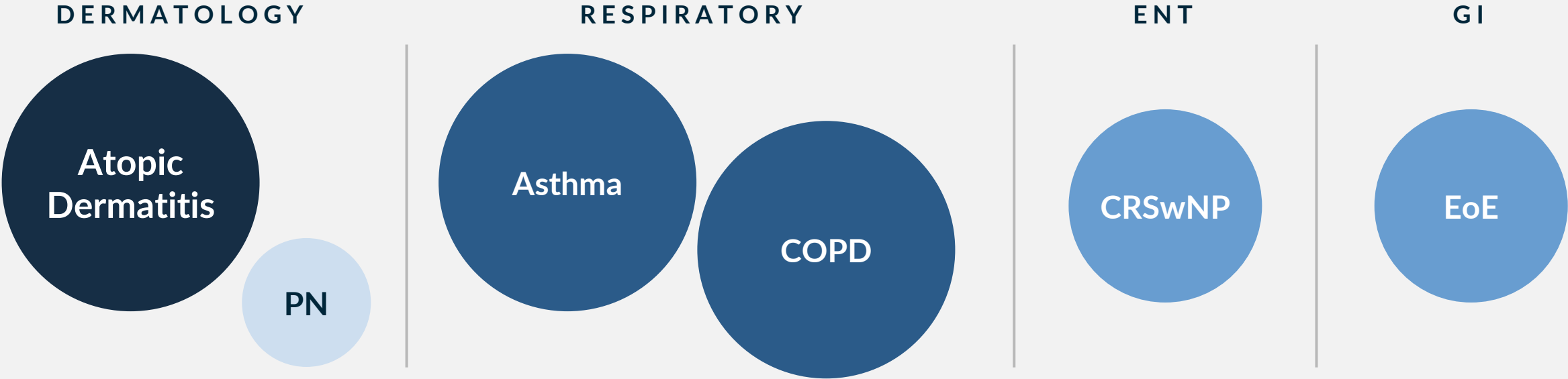
- Dupilumab, an IL-4R α monoclonal Ab that blocks IL-4/IL-13 signaling, has been approved in: Atopic dermatitis, Asthma, CRSwNP, Eosinophilic Esophagitis, Prurigo Nodularis, has positive Phase 3 data in COPD and is in development for multiple additional indications
- STAT6 degradation can fully block IL-4/IL-13 signaling*



Adapted from Junttila. Front Immunol. 2018; Sharma et al. J Exp Med. 2023; Suratannon et al. J Allergy Clin. Immunol. 2022; Takeuchi et al. J Allergy Clin Immunol. 2022

*Statements regarding STAT6 degrader biology throughout this presentation are based upon preclinical experiments in human cells and preclinical species conducted by Kymera

Oral STAT6 Degraders Can Transform Treatment Paradigm in Multiple Indications De-risked by Dupilumab



Total Potential Patient Impact¹: >150M patients

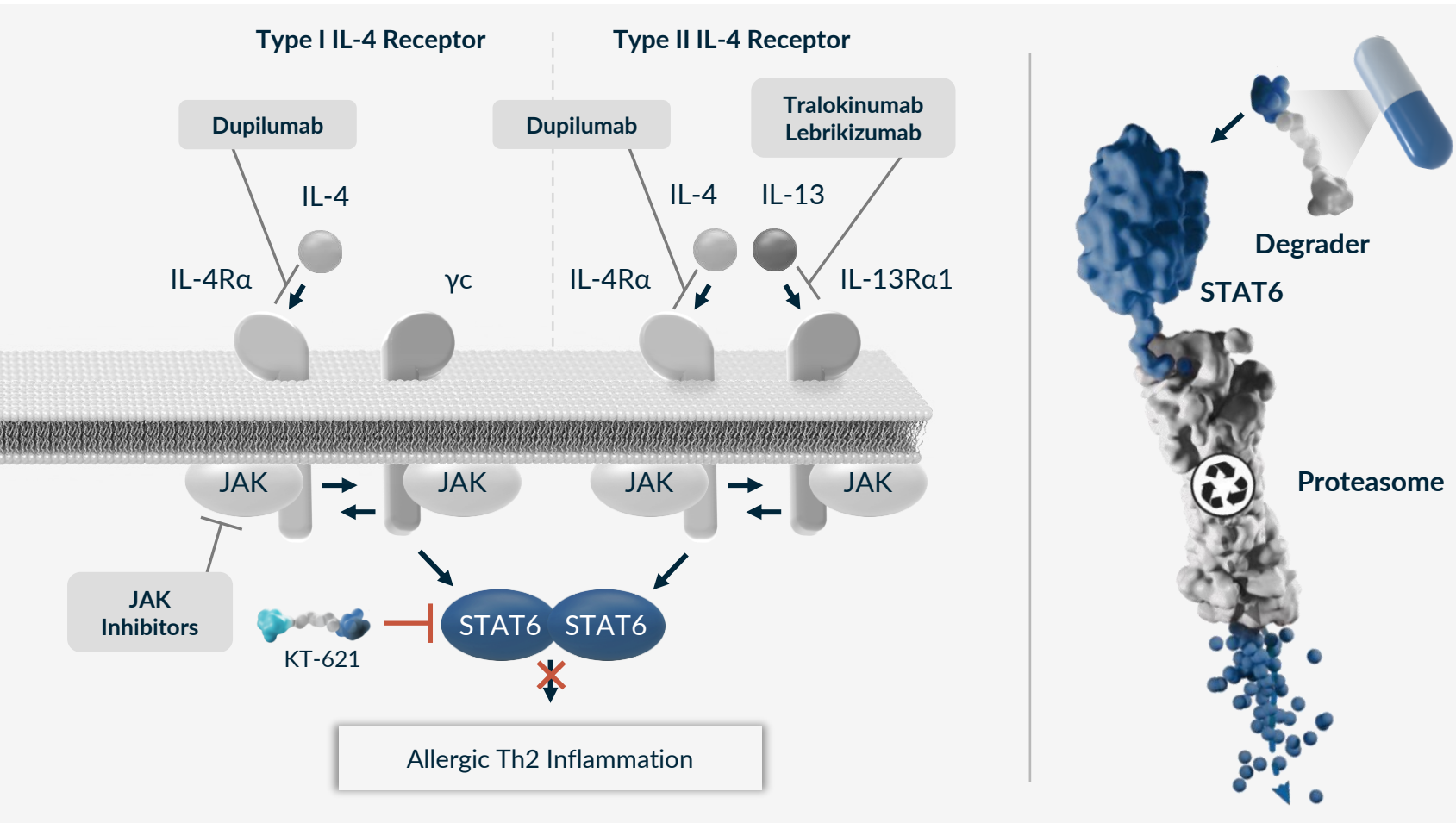
Numerous indication opportunities across multiple therapeutic areas de-risked by dupilumab

STAT6 degradation leading to full pathway inhibition has the potential to deliver dupilumab-like activity

Oral degrader medicines offer opportunity to reach broader patient populations

¹GlobalData (2022 diagnosed prevalent patient population for US/EU5/JP)






STAT6 Degradation Advantage



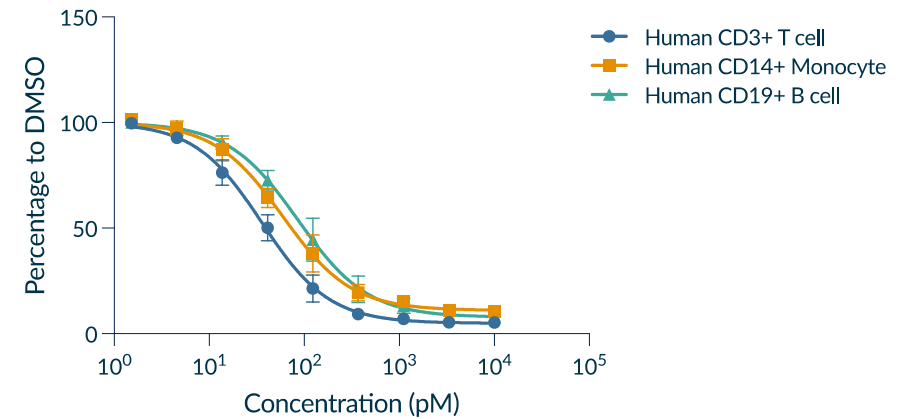
- STAT6 is the specific and essential transcription factor in the IL-4/13 pathway
- Occupancy based approaches (e.g., SMI) unlikely to block pathway fully in a pharmacologically relevant manner
- However, degradation of STAT6 can fully block IL-4/IL-13 signaling *in vitro* and *in vivo*

KT-621: A Picomolar Degradator of STAT6

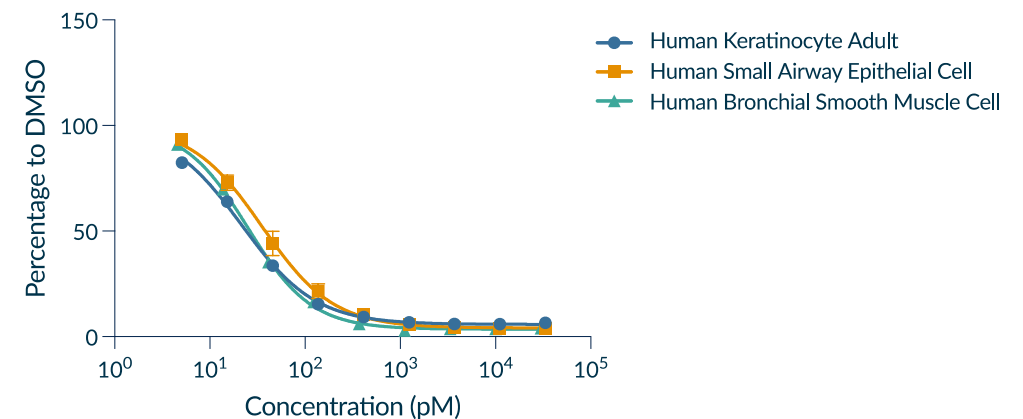
Consistent Degradation Across All Disease Relevant Cell Types Evaluated

| | | Human Primary Cell Type | KT-621, DC ₅₀ (pM) |
|---|--|--|-------------------------------|
| Hematopoietic cell (all TH2 diseases) | | | |
|  Blood | | Human PBMC | 13 |
| | | Human CD3 T cell | 36 |
| | | Human CD14 monocyte | 60 |
| | | Human CD19 B cell | 86 |
| | | Human eosinophil | 99 |
| Epithelial cell (AD, CPG, CU, asthma, COPD) | | | |
|  Skin | | Human keratinocyte (adult) | 22 |
| | | Human keratinocyte (neonatal) | 18 |
|  Lungs | | Human bronchial tracheal epithelial cell | 33 |
| | | Human small airway epithelial cell | 35 |
| Smooth muscle cell (asthma, COPD, EoE) | | | |
|  Throat/ Airway | | Human bronchial smooth muscle cell | 25 |
| | | Human esophageal smooth muscle cell | 33 |
|  Blood Vessels | | Human vascular endothelial cell | 46 |

STAT6 Degradation in Hematopoietic Cells



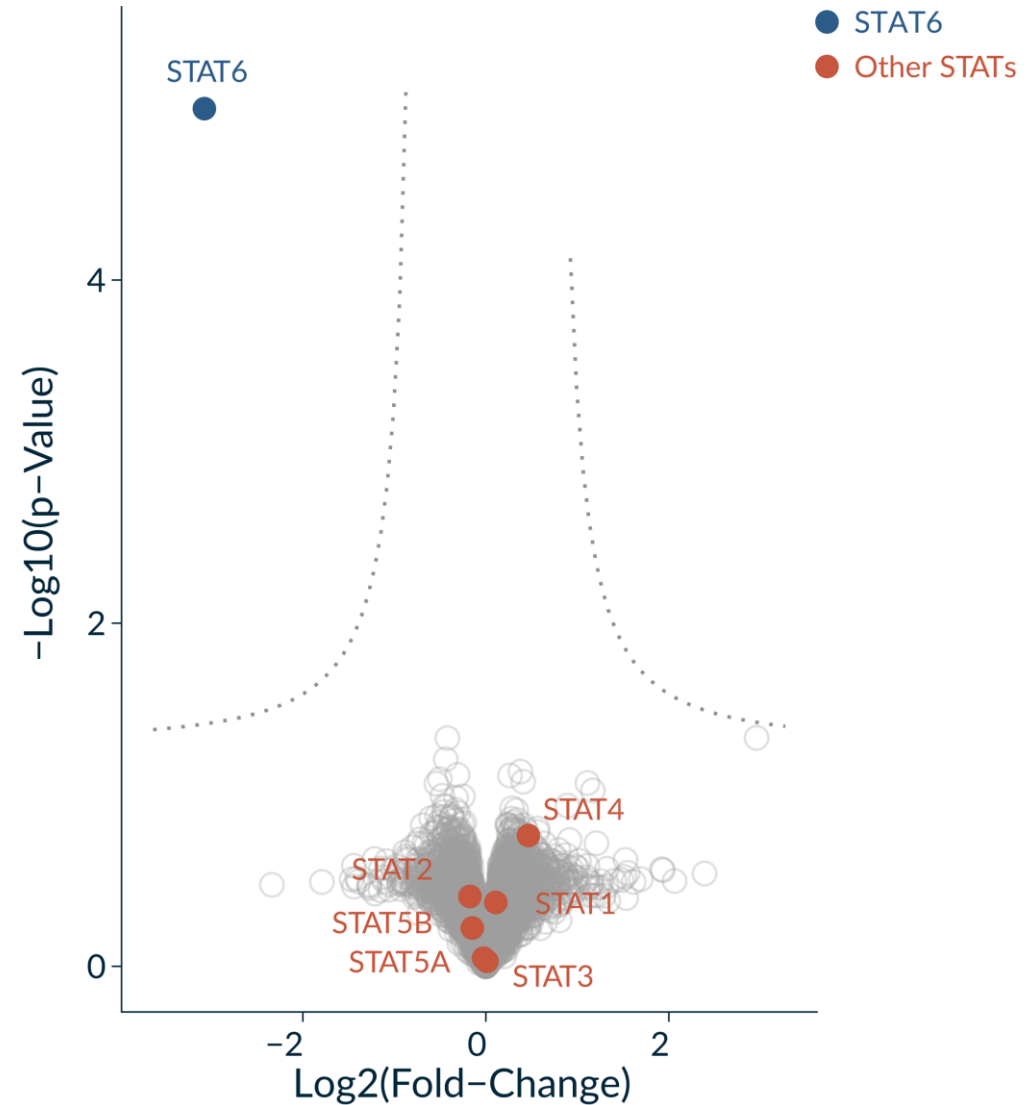
STAT6 Degradation in Tissue Cells



KT-621: Exquisite Degradation Selectivity for STAT6

Complete STAT6 degradation selectivity in human PBMC proteome at 100 x DC₉₀

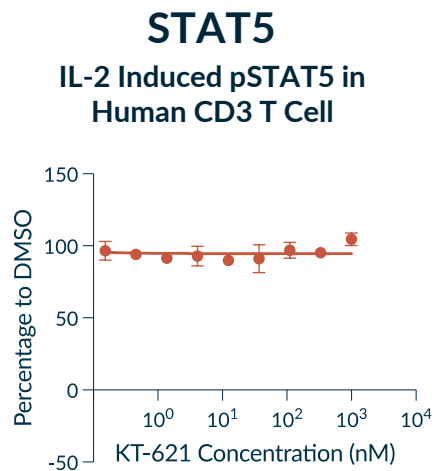
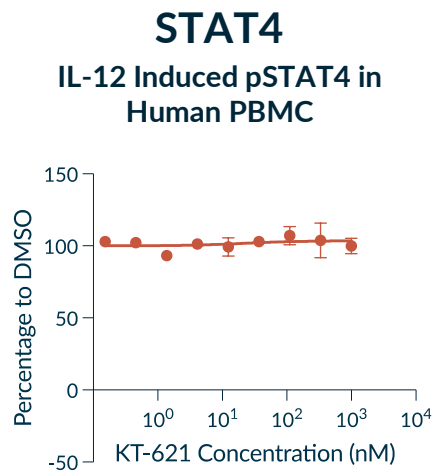
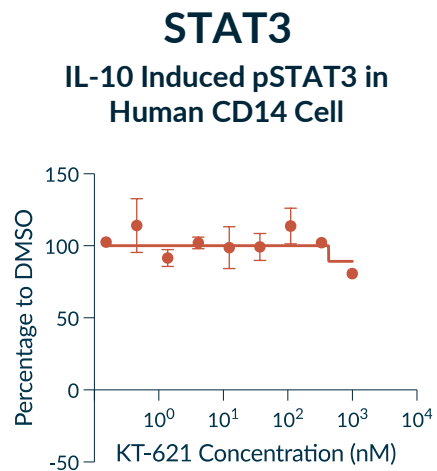
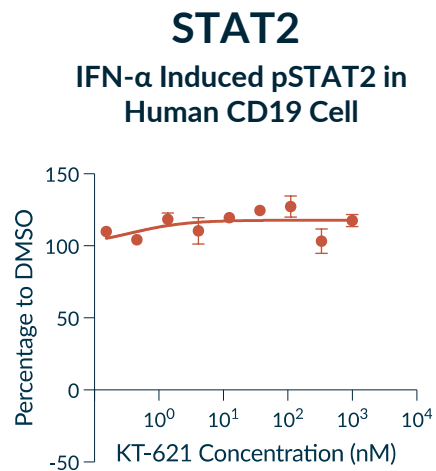
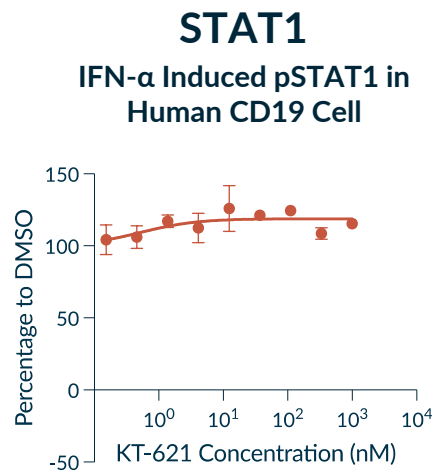
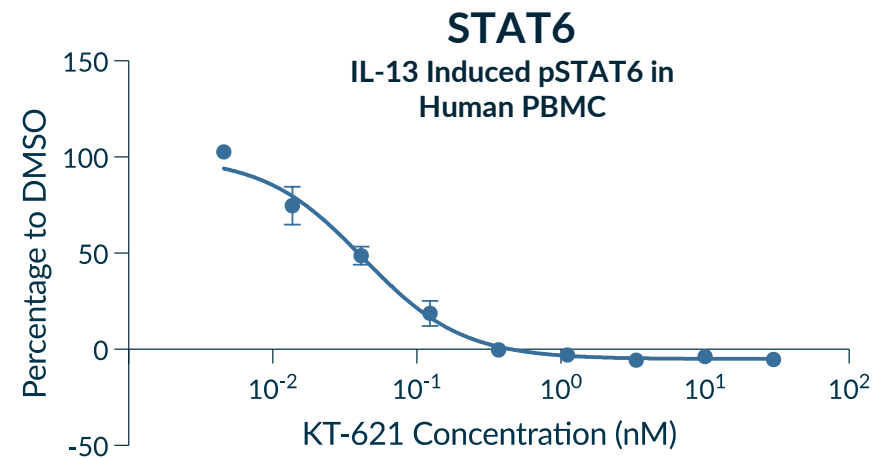
No other STATs are degraded to any extent



KT-621: Exquisite Pathway Selectivity for STAT6

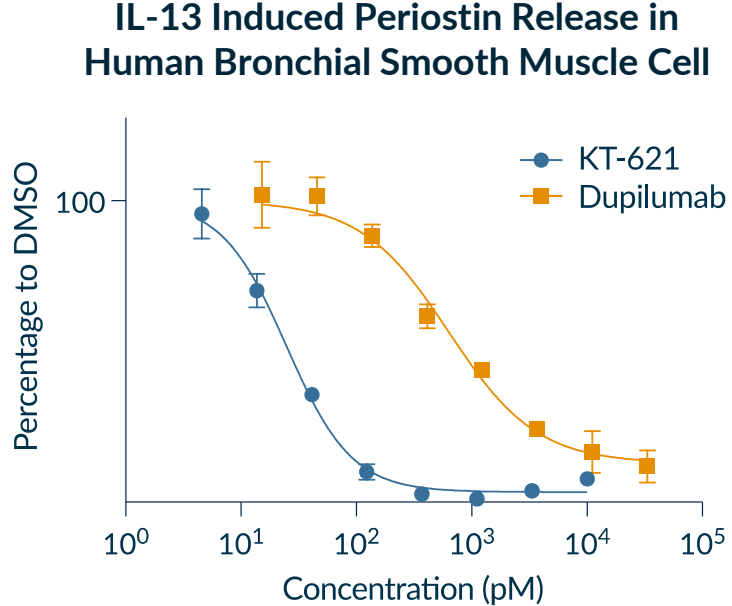
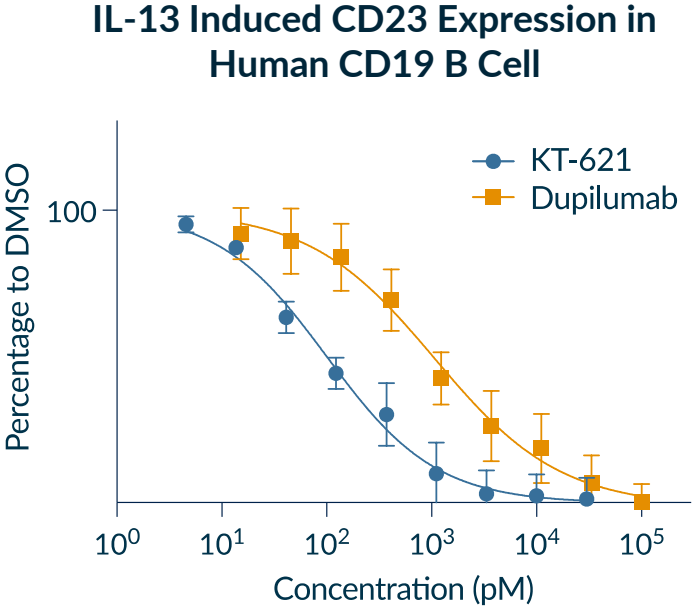
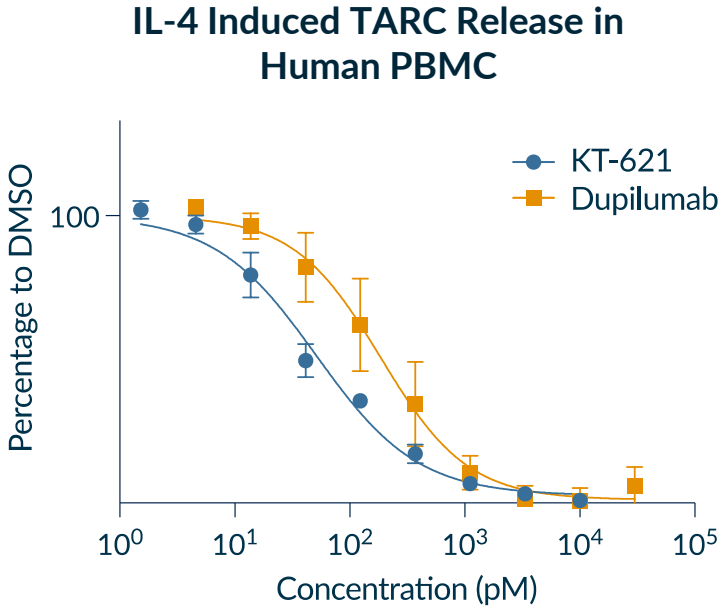
No Impact on Any Other STAT Pathway Observed

| STAT assays | KT-621, IC ₅₀ (nM) |
|----------------------|-------------------------------|
| IFN-α induced pSTAT1 | > 1000 |
| IFN-α induced pSTAT2 | > 1000 |
| IL-10 induced pSTAT3 | > 1000 |
| IL-12 induced pSTAT4 | > 1000 |
| IL-2 induced pSTAT5 | > 1000 |
| IL-13 induced pSTAT6 | 0.042 |



KT-621 Fully Blocks IL-4/13 Pathway in Human TH2 Functional Assays with IC₅₀'s Lower than Dupilumab

| | | Cellular Functional Assay | KT-621 IC ₅₀ (pM) | Dupilumab IC ₅₀ (pM) |
|------------------|--|--|------------------------------|---------------------------------|
| TARC | Serum Th2 biomarker, chemoattractant for Th2 cell | IL-4 TARC release in human PBMC | 62 | 194 |
| | | IL-13 TARC release in human PBMC | 43 | 113 |
| CD23 | B cell activation marker, correlates with IgE class switch | IL-4 CD23 expression in human CD19 B cell | 125 | 354 |
| | | IL-13 CD23 expression in human CD19 B cell | 98 | 1070 |
| PERIOSTIN | Serum Th2 biomarker and ECM protein associated with tissue remodeling in atopic diseases | IL-13 Periostin release in human bronchial smooth muscle cell | 24 | 637 |
| | | IL-13 Periostin release in human esophageal smooth muscle cell | 39 | 431 |

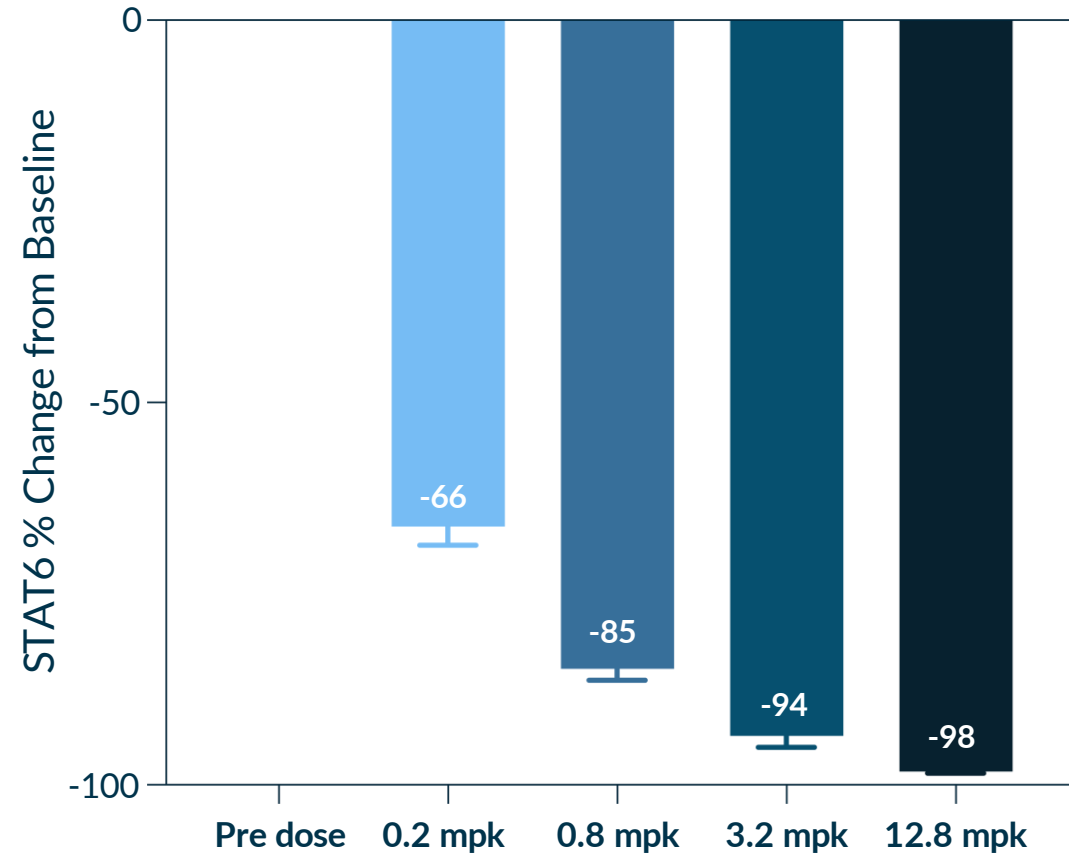


KT-621 Achieves Dose Dependent Deep Degradation of STAT6 *in vivo* with Low Oral Doses

KT-621 potently degrades STAT6 across multiple preclinical species

KT-621 can degrade STAT6 to depletion with low oral doses

STAT6 Degradation in Dog Blood post 7 days of KT-621 QD Oral Dosing

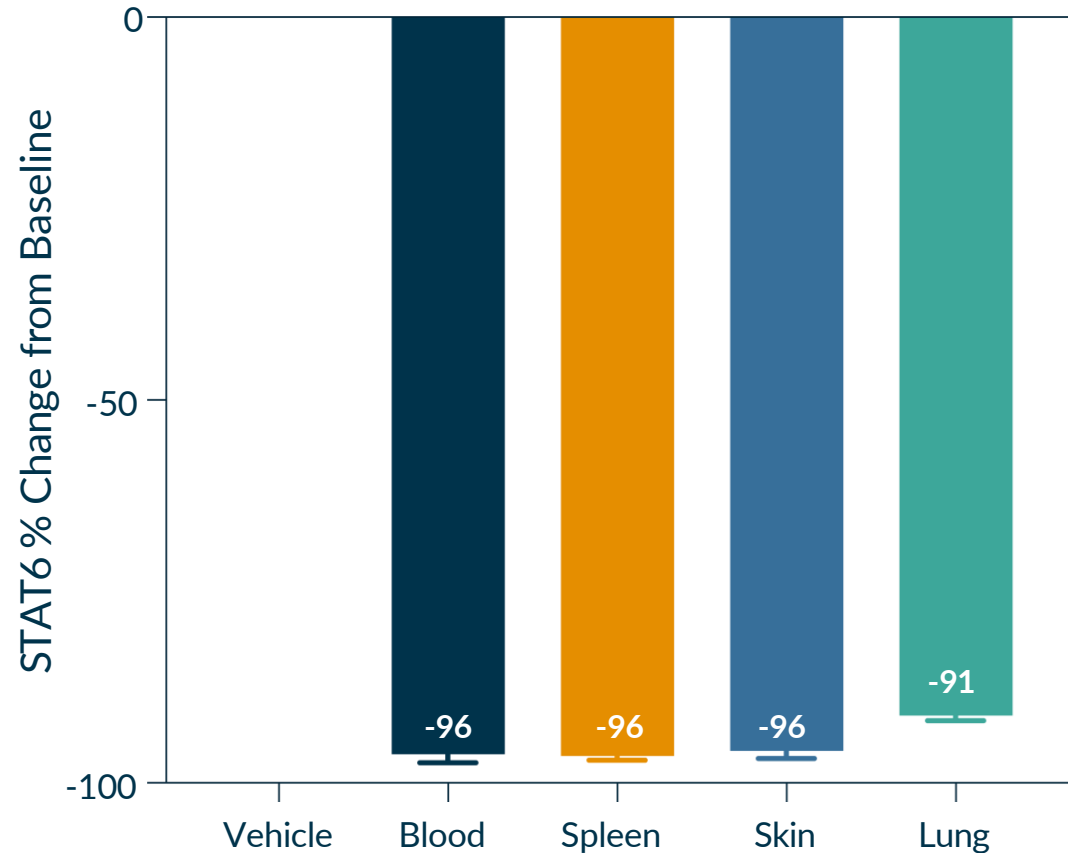


KT-621 Degrades STAT6 in Disease Relevant Tissues in NHP

Deep degradation of STAT6 in NHP after 14 days of daily oral dosing

STAT6 is degraded in key disease-relevant tissues: blood, spleen, skin and lung

STAT6 Degradation in NHP Tissues post 14 days of KT-621 10 mpk QD Oral Dosing

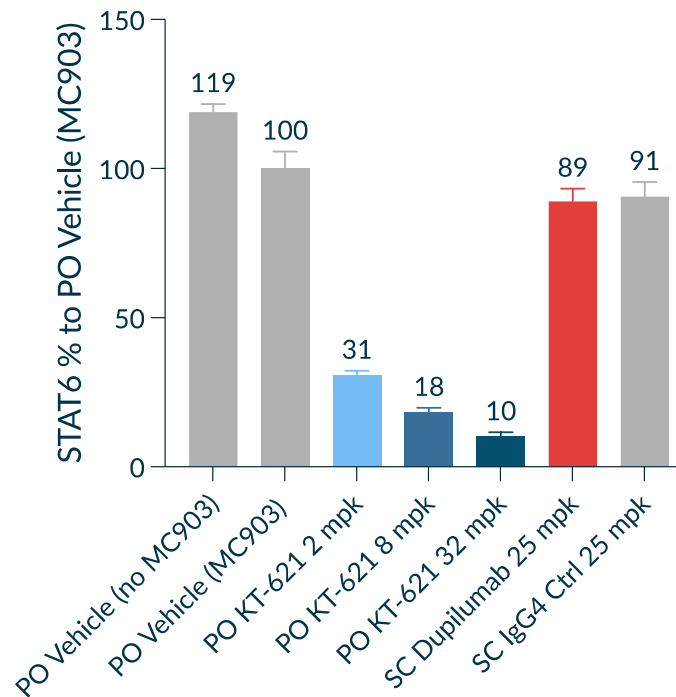


KT-621 Has Comparable *in vivo* Activity to IL-4R α Saturating Dose of Dupilumab in the MC903 Atopic Dermatitis Model

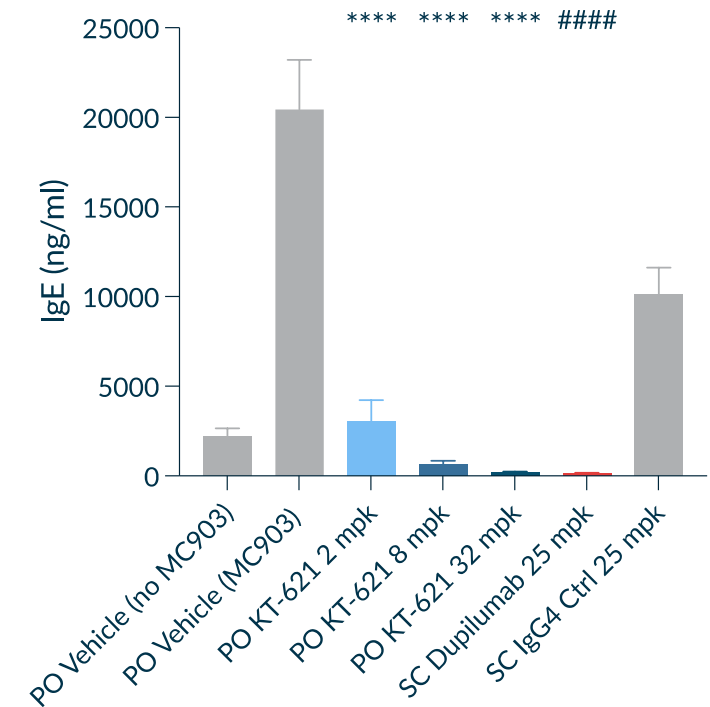
An atopic dermatitis model induced by topical application of low-calcemic vitamin D3 analog MC903 with prominent Th2 inflammation in the IL4/IL4RA humanized mice:

- **KT-621 dosed QD orally for 11 days**
- **Dupilumab dosed 4 times subcutaneously, 25 mpk twice a week (IL-4R α saturating dose); effect equivalent to 300 mg every other week in human**

STAT6 Degradation in Mouse Spleen



Total Serum IgE

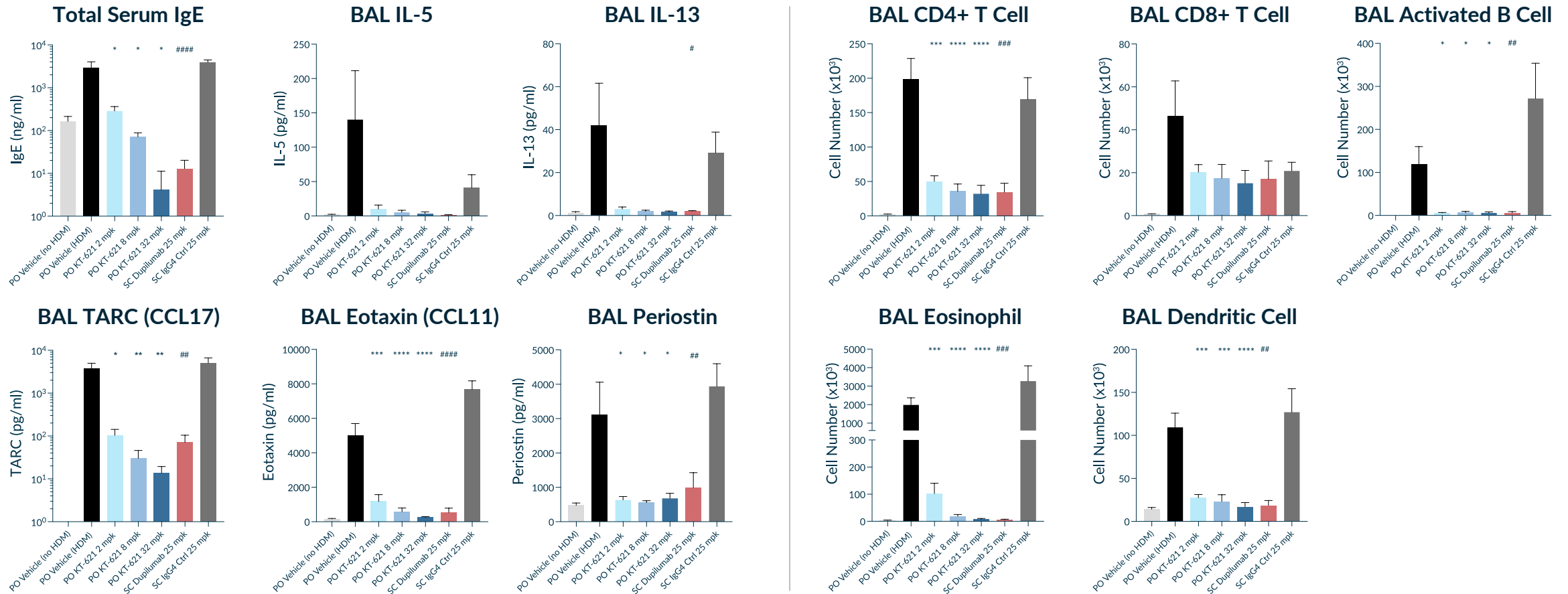


* Significance to PO vehicle (MC903); # Significance to SC IgG4 25 mpk BIW

KT-621 Blocks TH2 Inflammation *in vivo* Equally or Better than an IL-4R α Saturating Dose of Dupilumab in the Intranasal HDM Asthma Model

Serum IgE and Lung Cytokine

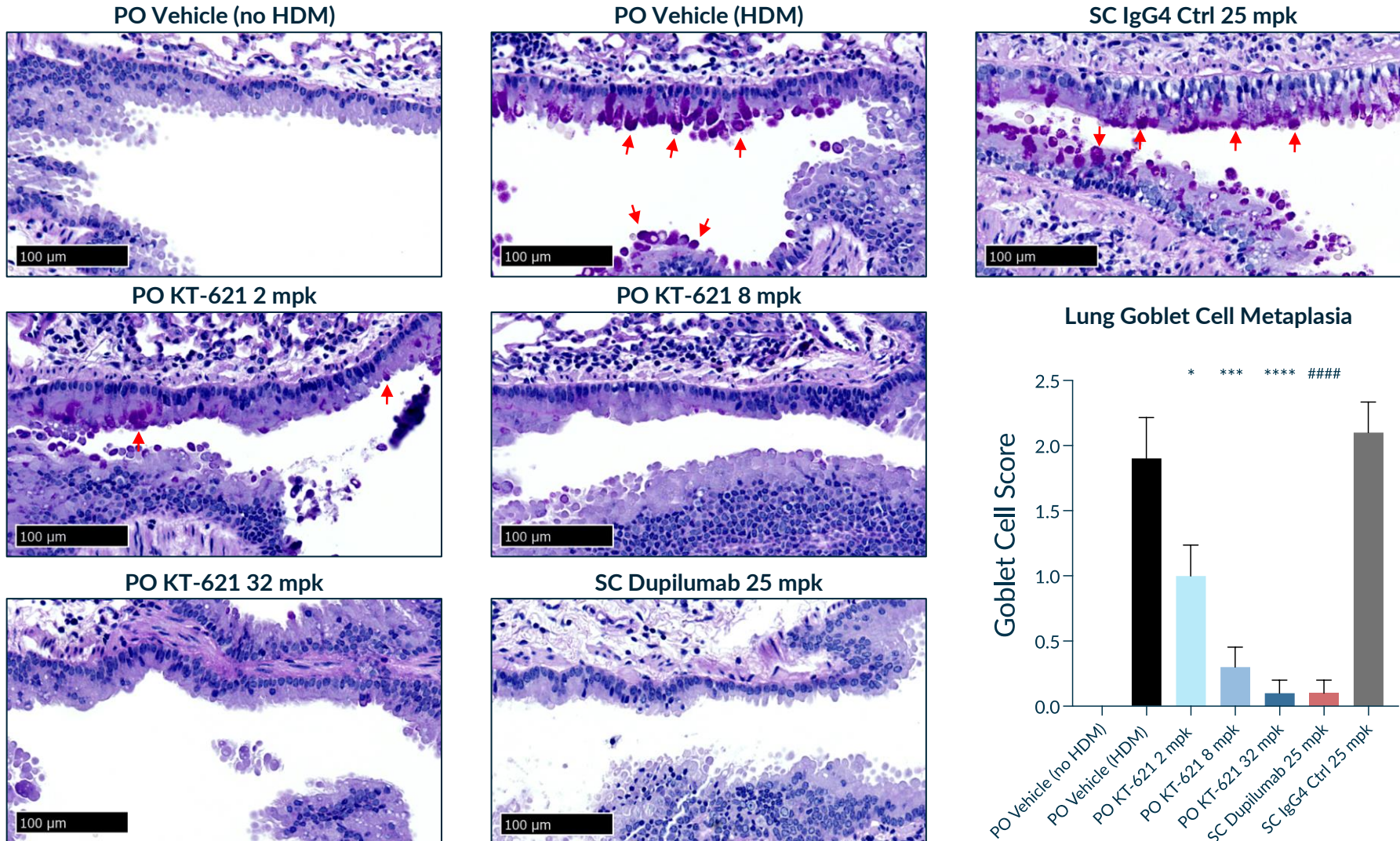
Inflammatory Infiltrate



- **KT-621 dosed QD orally for 31 days. 2/8/32 mpk doses showed 72/85/91% STAT6 degradation respectively in mouse spleen**
- **Dupilumab dosed 9 times subcutaneously, 25 mpk BIW (IL-4R α saturating dose), effect equivalent to 300 mg every other week in human**

KT-621 Reduced Disease Severity in the Lung in the Intranasal HDM Asthma Model

Lung Remodeling: Goblet Cell Metaplasia (Arrow)



Amelioration of lung remodeling seen after low daily oral doses of KT-621 comparable to dupilumab

A lung inflammation model induced by intranasal house dust mite administration with dominant Th2 inflammation in the IL4/IL4RA humanized mice (Le Floc'h et al. Allergy. 2020); *Significance to PO vehicle (HDM); # Significance to SC IgG4 Ctrl 25 mpk.

Oral STAT6 Degradator: KT-621

Potential for dupilumab-like activity with oral small molecule profile



Validated Biology

Specific and essential transcription factor in IL-4 and IL-13 signaling pathways

Central driver of Th2 inflammation

STAT6 validated by human genetics

Pathway validated by human genetics and dupilumab across multiple indications

Competitive Profile

WW IL-4/IL-13 biologic market currently \$10B+ annually

Estimated to grow to \$23B+ with expanded indications and new entrants

Mega-blockbuster potential for oral degraders in allergic diseases

Potential to access beyond biologics-eligible patients and much larger population

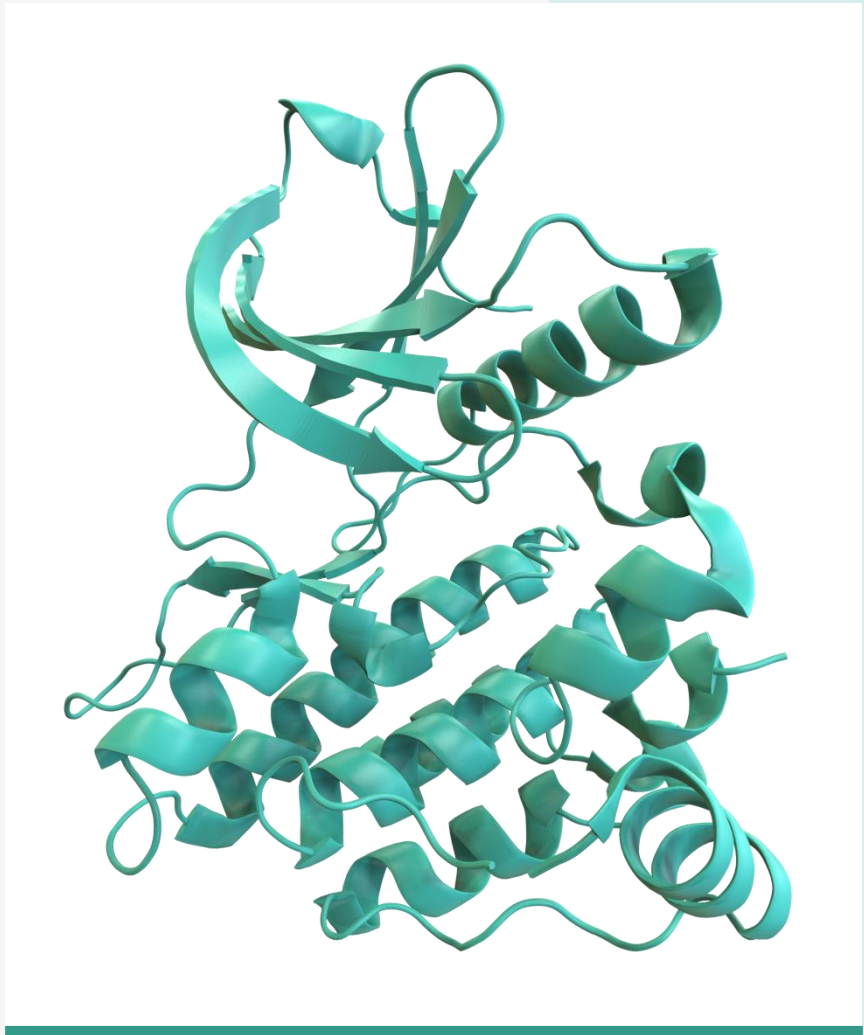
KT-621, FIH: 2H 2024

Full IL-4 and IL-13 functional inhibition with picomolar IC_{50} 's superior to dupilumab

Robust activity shown in *in vivo* preclinical models of atopic dermatitis and lung inflammation equal or superior to dupilumab

STAT6 degradation was well-tolerated in multiple preclinical safety studies at >40x efficacious concentration

Currently in IND enabling studies



KT-294

A First-in-Class Oral TYK2 Degradator

TYK2 Biology and Target Rationale

Target Biology and Rationale

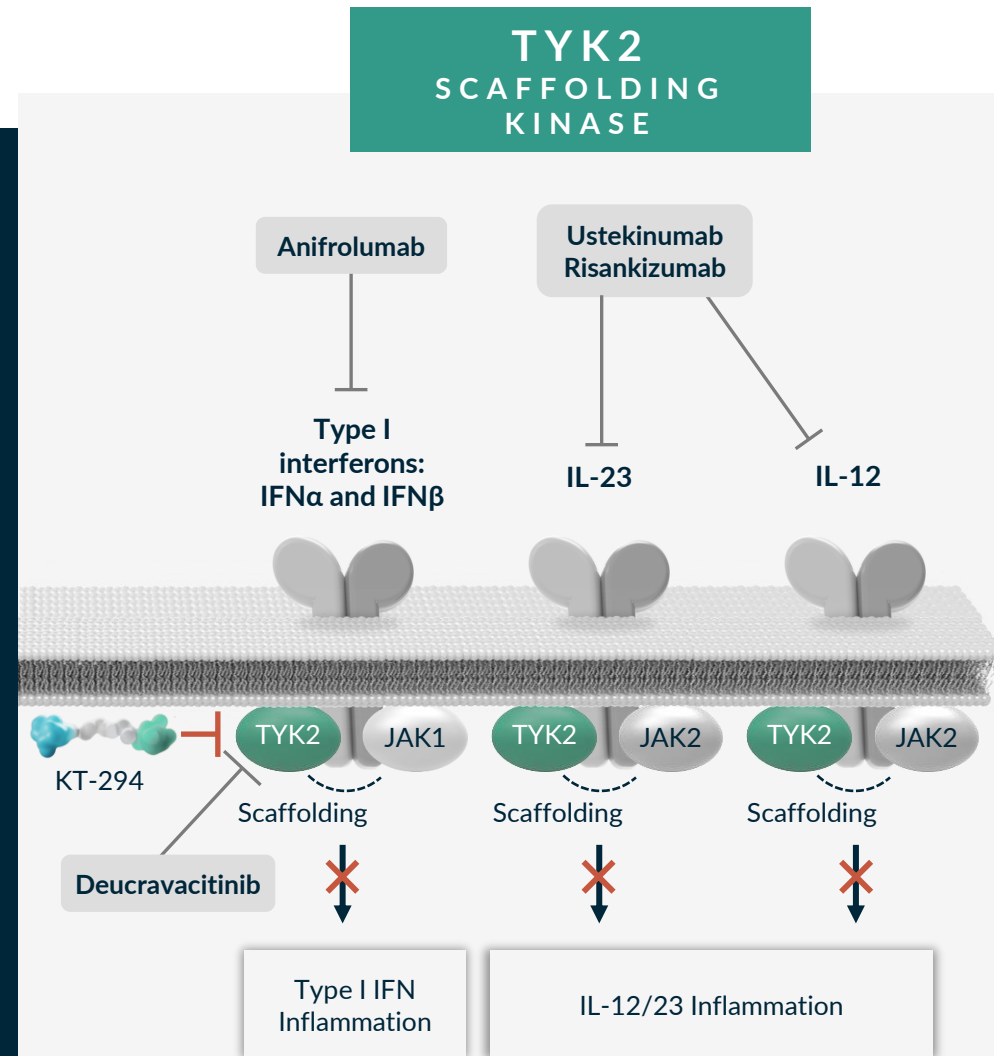
- TYK2 is a member of the JAK family required for Type I IFN, IL-12 and IL-23 cytokine signaling
- TYK2 regulated cytokines are clinically validated targets for autoimmune and inflammatory diseases

Human Genetics

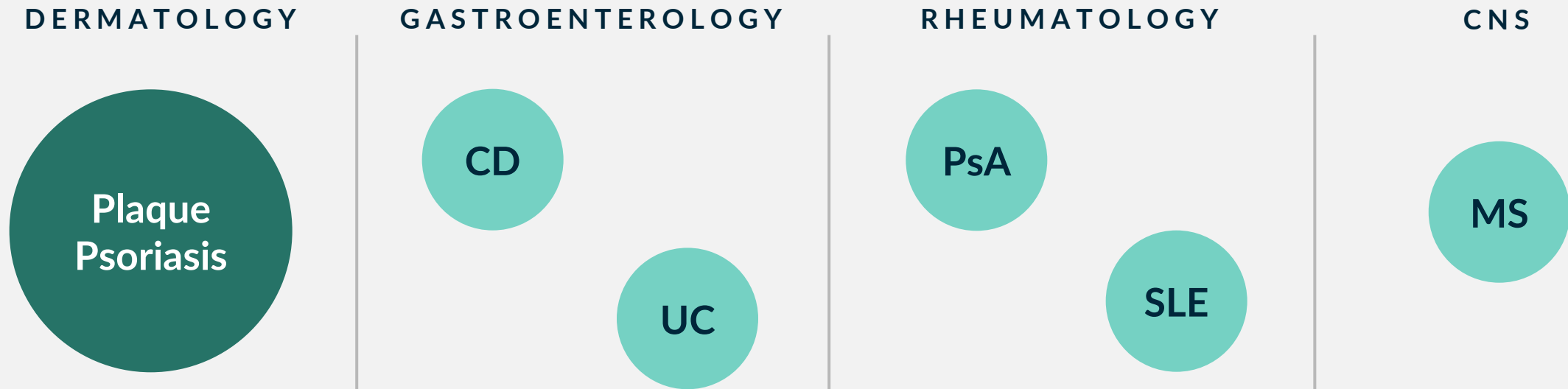
- Loss-of-function variant of TYK2 is protective in autoimmune and inflammatory diseases

Clinical Pathway Validation

- IL-23 (\pm IL-12)-targeting agents include ustekinumab, risankizumab, guselkumab, and tildrakizumab, with approvals in PsO, PsA, CD, UC
- Type I IFN-targeting agents include anifrolumab with approval in SLE
- TYK2 SMI deucravacitinib recently approved in PsO



Patient Impact of TYK2: Potential Best-In-Class Opportunity in I&I



Total Potential Patient Impact¹: > 20M patients

Numerous indication opportunities across multiple therapeutic areas de-risked by biologics and deucravacitinib

TYK2 degradation, differentiated from inhibition, leads to full pathway inhibition with potential to deliver biologic-like activity*

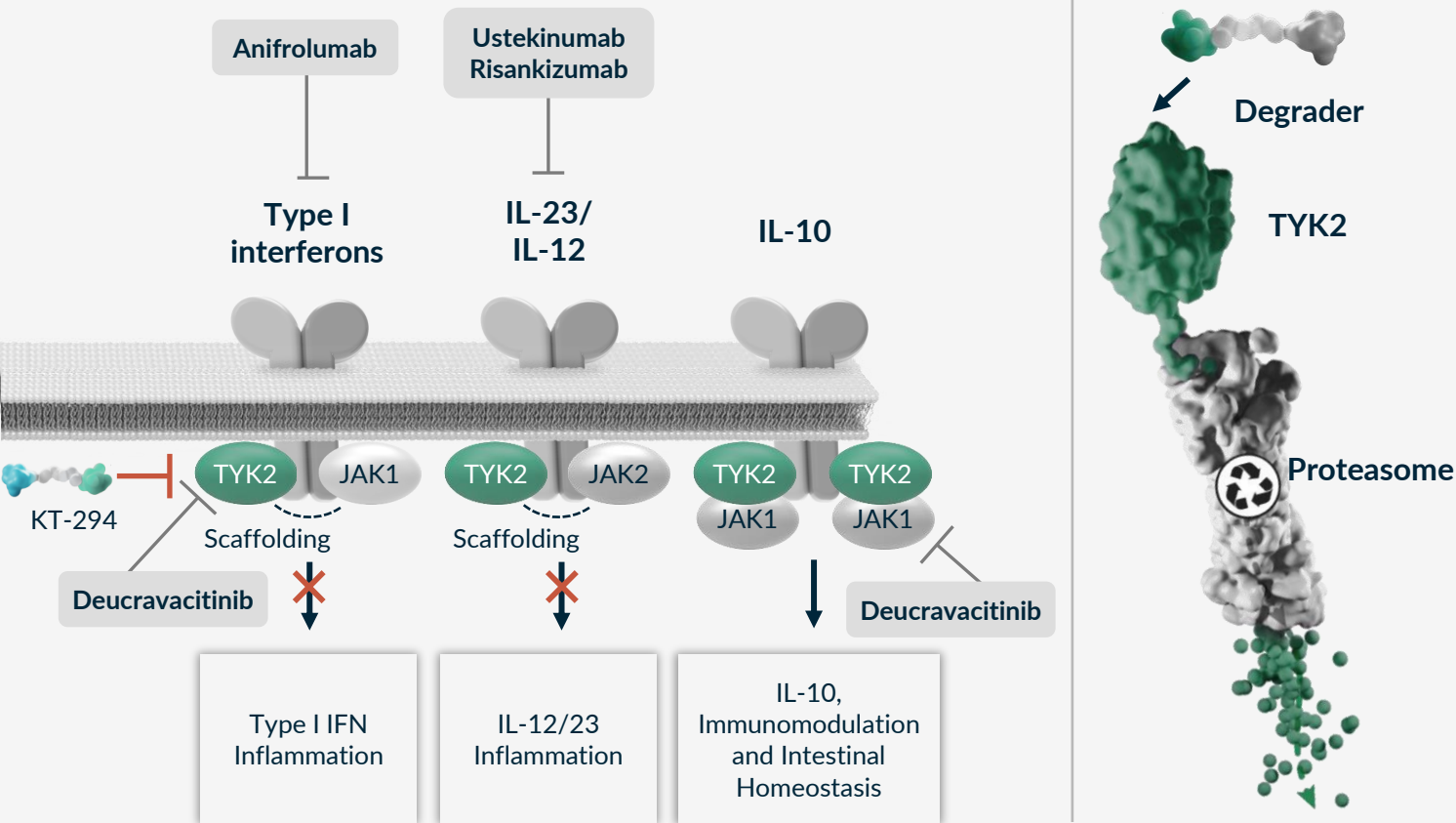
Oral degrader medicines offer opportunity to reach broader patient populations

¹GlobalData (2022 diagnosed prevalent patient population for US/EU5/JP)

*Statements regarding TYK2 degrader biology throughout this presentation are based upon preclinical experiments in human cells and preclinical species conducted by Kymera

TYK2 Degradator Advantage

Only TYK2 Degraders Can Reach Biologics-like Activity



- TYK2 has a well-established scaffolding function that is responsible for cytokine receptor surface expression and activation
- Unlike SMIs, only TYK2 degradation recapitulates the human LOF phenotype of full pathway inhibition of Type I IFN, IL-12 and IL-23 and sparing of IL-10
 - Unlike deucravacitinib, which inhibits IL-10 through JAK1, KT-294 does not inhibit IL-10, which is important in IBD
 - Compared to TAK-279, KT-294 fully inhibits Type I IFN
- Full TYK2 degradation demonstrated by KT-294 leads to superior pathway inhibition to existing SMIs and potentially reach biologic-like activity

TYK2 Has Well-Established Scaffolding Function

- TYK2 complete deficiency severely impairs IL-23, Type I IFN, and IL-12 signaling but spares IL-10 in humans
- TYK2 scaffolding functions are demonstrated by differential pathway inhibitions in complete TYK2 deficiency vs a kinase dead variant in humans
- TYK2 deficient humans are generally healthy with only increased risk of some mycobacteria and viral infections that are relatively mild, curable and tend not to recur, de-risking safety for TYK2 degradation

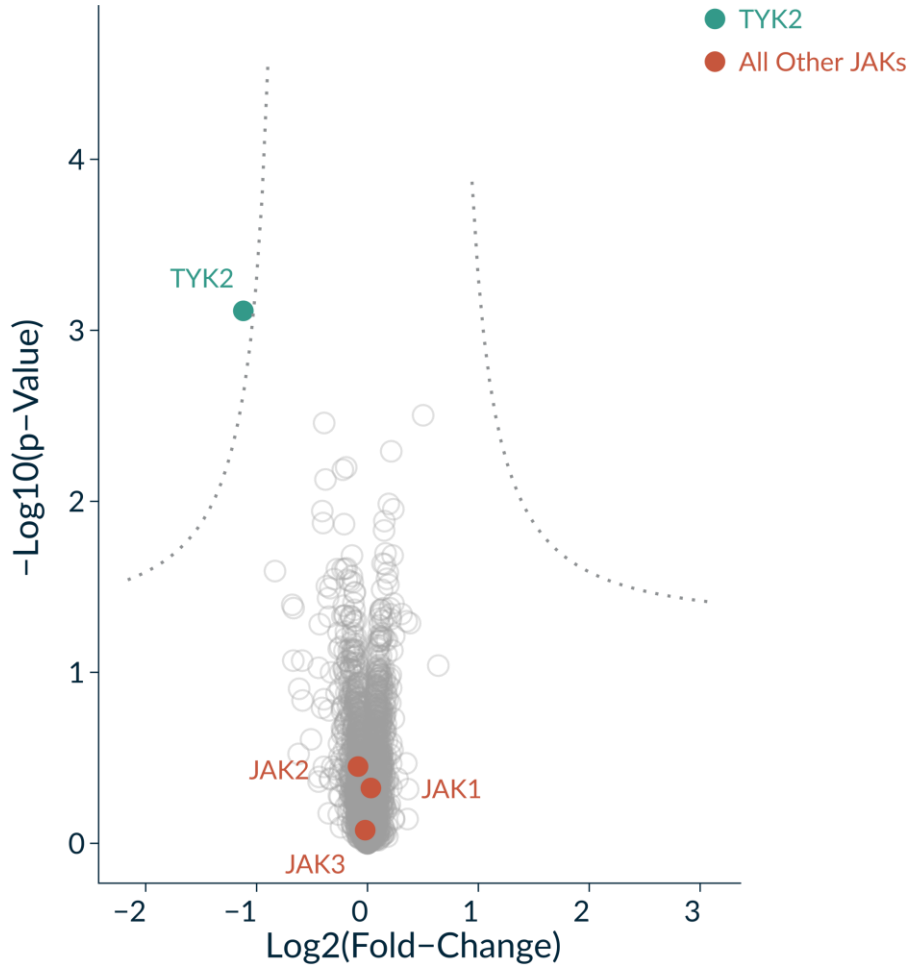
| Cytokine Pathway | IL-23 | Type I IFN | IL-12 | IL-10 |
|-----------------------------------|-------|------------|-------|-------|
| WT TYK2 | ++++ | ++++ | ++++ | ++++ |
| Complete deficiency TYK2 -/- | + | + | + | +++ |
| TYK2 Kinase dead P1104A/P1104A | + | ++++ | ++++ | ++++ |














Degrading TYK2 is the only small molecule approach to potentially eliminate all scaffolding and catalytic functions of TYK2, fully recapitulating the human TYK2-/- biology

KT-294, a Highly Selective Picomolar TYK2 Degradator, Recapitulates TYK2 Human Deficiency Biology

Fully Inhibits of Type I IFN and IL-12/23 and Spares IL-10/22

Selective TYK2 Degradation by KT-294 in hPBMC Proteome at 10x DC₉₀



| Cellular Degradation/Functional Assay | KT-294 DC ₅₀ /IC ₅₀ (nM) |
|---|--|
|  Human PBMC degradation | 0.08 |
|  Human keratinocyte (neonatal and adult) | 0.07 |
| IL-23 pathway | |
|  IL-23 pSTAT4 in human PBMC | 0.7 |
|  IL-23 pSTAT3 in human CD3+CD161high TH17 cell | 2.1 |
|  IL-23/IL-1β IFN-γ release in human PBMC | 2.4 |
| Type I IFN pathway | |
|  IFN-α pSTAT1 in human CD19 B cell | 13 |
|  IFN-α pSTAT2 in human CD19 B cell | 15 |
|  IFN-α IP10 release in human PBMC | 4.9 |
| IL-12 pathway | |
|  IL-12/IL-18 pSTAT4 in human PBMC | 1.3 |
|  IL-12/IL-18 IFN-γ release in human PBMC | 10 |
| IL-10 and IL-22 pathways | |
|  IL-10 pSTAT3 in human CD14 monocyte | > 1000 |
|  IL-22 pSTAT1 in HT29 cell | > 1000 |
|  IL-22 pSTAT3 in HT29 cell | > 1000 |

KT-294, Unlike Allosteric TYK2 Inhibitor Deucravacitinib, Does not Inhibit IL-10

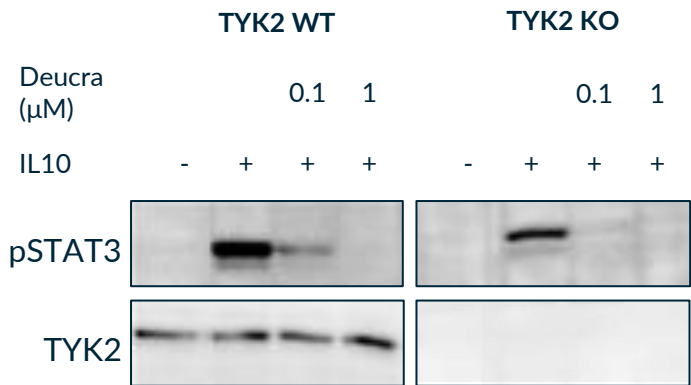
IL-10 has essential roles in intestinal homeostasis

- Loss of function mutations of the IL-10 pathway cause early onset refractory colitis in humans

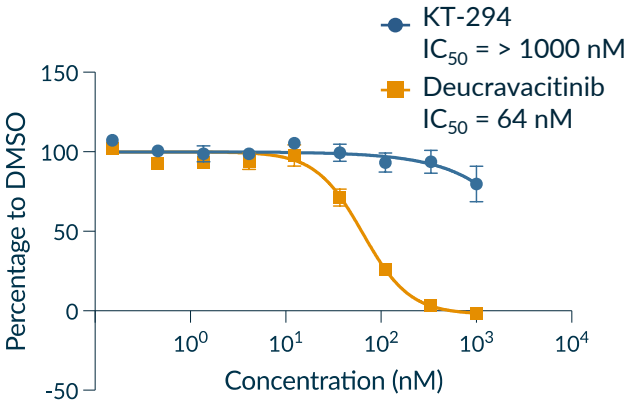
Deucravacitinib inhibits IL-10 because of its anti-JAK1 activity; KT-294 spares JAK1 and as a result IL-10

- Deucra JAK1 Ki = 0.33 nM (Burke et al. Sci Transl Med. 2019)
- KT-294 JAK1 Ki = > 1000 nM

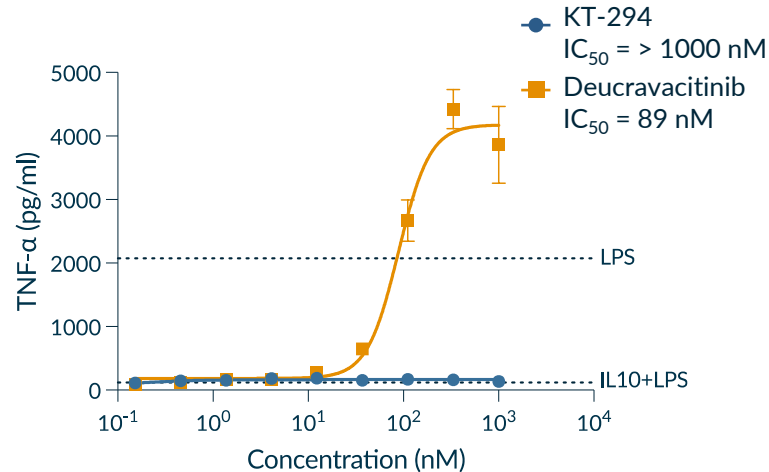
Deucravacitinib Inhibited IL-10 induced pSTAT3 in TYK2 KO EBV B Cell



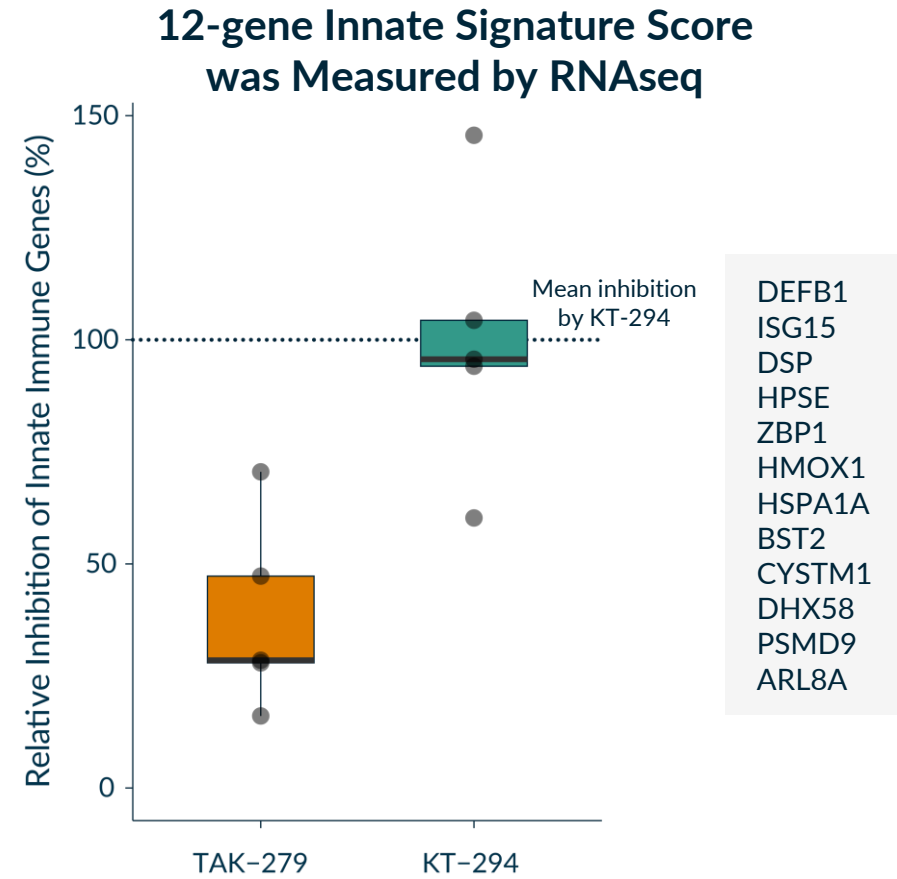
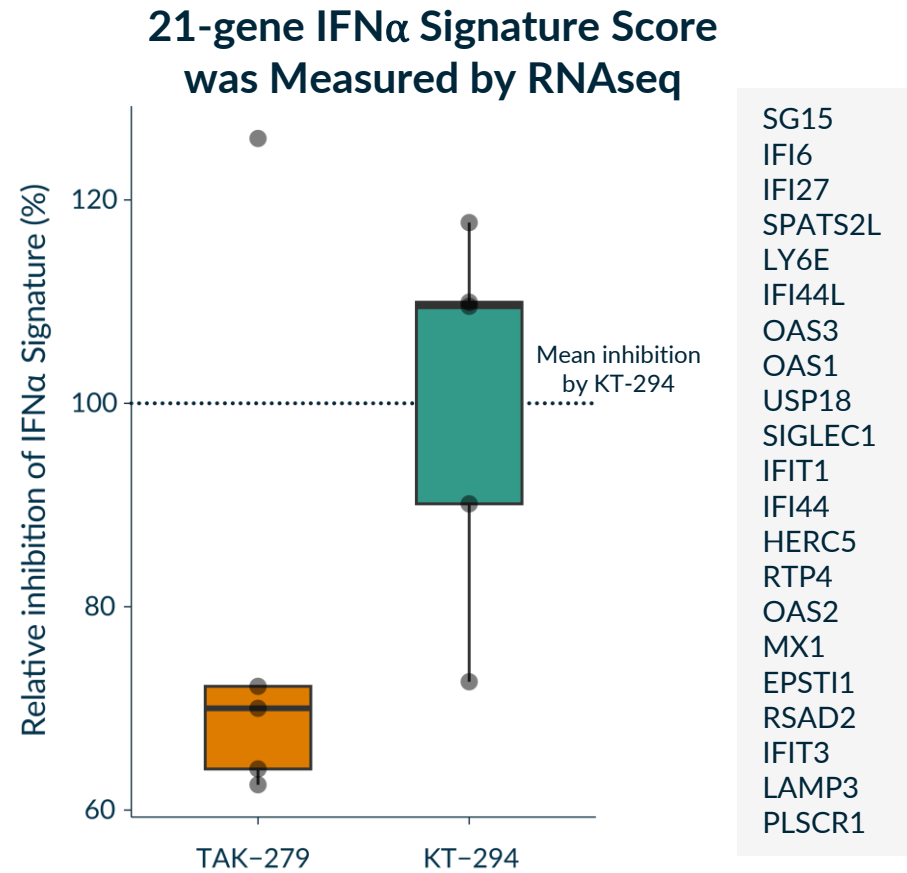
Deucravacitinib Inhibited IL-10 Induced pSTAT3 in Human CD14 Monocyte



Deucravacitinib Inhibits IL-10's Function of Suppressing LPS Induced TNF-α Release in Human CD14 Monocyte



Superior Inhibition of Type I IFN Pathway and Innate Immunity by KT-294 vs TAK-279



Doses Used:

- TAK-279 = 422nM (IFN α stimulated pSTAT2 IC₉₅). Clinical exposure C_{max} (free) at 35mg¹ = ~ 77 nM
- KT-294 = 56nM (IFN α stimulated pSTAT2 IC₉₅)

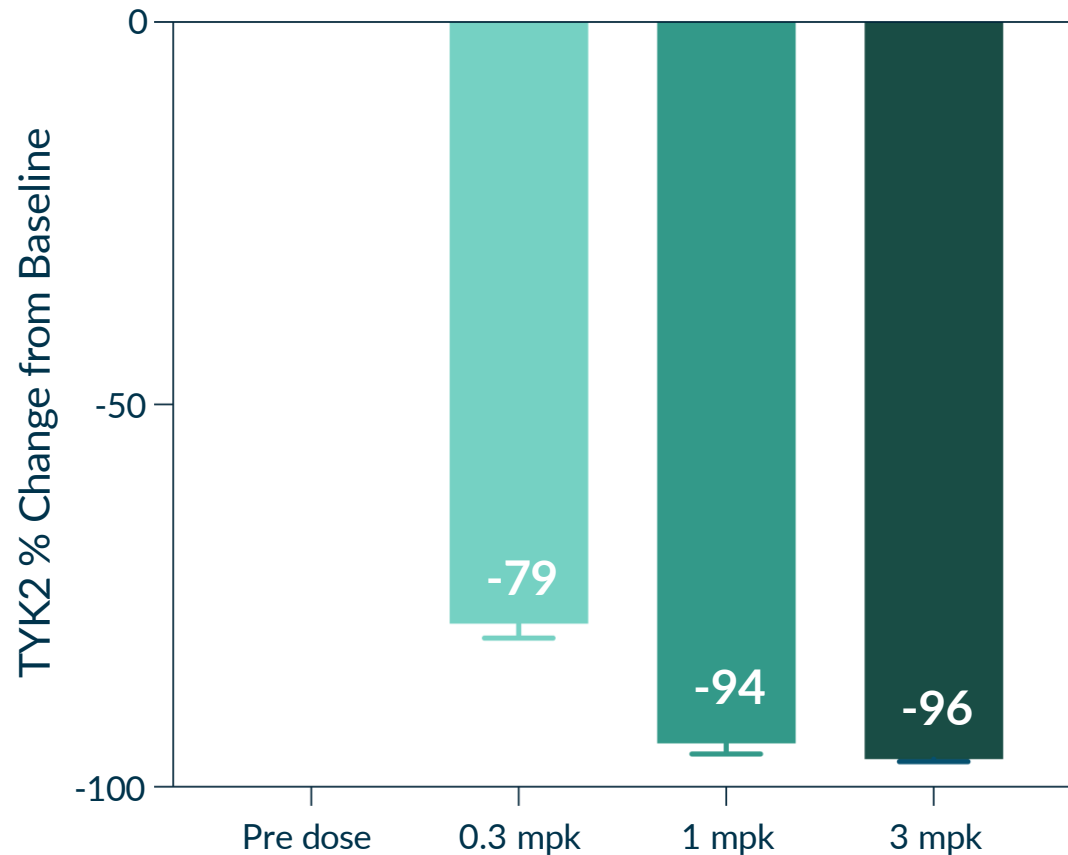
At concentrations where TAK-279 and KT-294 block pathway 95%, degrader demonstrates superior biological effect. (TAK-279 does not reach these exposures in clinic)

KT-294 Achieved Dose Dependent Deep Degradation of TYK2 *in vivo* with Low Oral Doses

KT-294 potently degrades TYK2 across multiple preclinical species

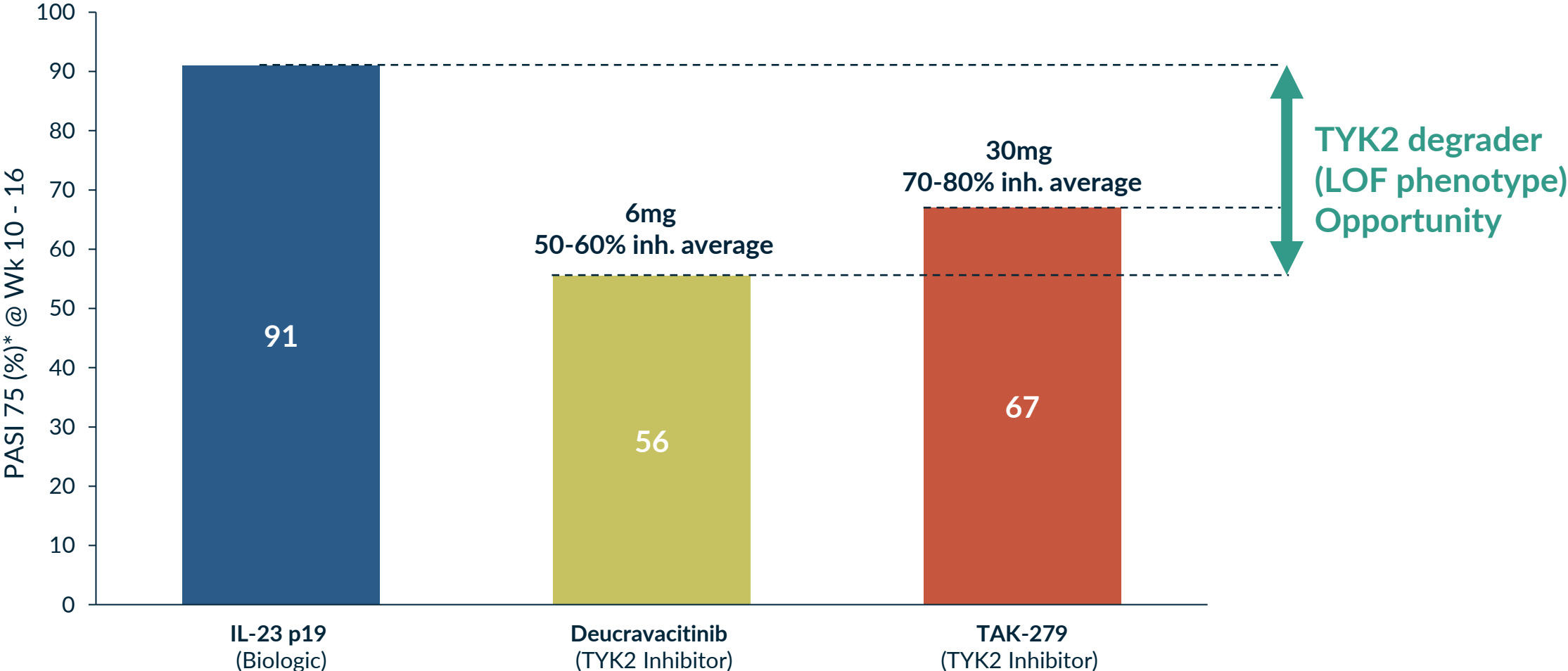
In NHP, KT-294 can degrade TYK2 to depletion with low oral doses

TYK2 Degradation in NHP Blood Post 7 days of KT-294 QD Oral Dosing



TYK2 SMI's Do Not Reach Maximal Target Engagement

Clinical Efficacy In Psoriasis is Target Engagement Dependent



Company presentations and package inserts; * total observed response rate for primary endpoint cut-off ranges from Wk 10 to Wk 16.

Biological and Clinical Differentiation

| TYK2 Clinical Opportunities | Deucravacitinib IL12/23, IFN, IL10 | TAK-279 IL12/23, ~IFN | KT-294 IL12/23, IFN | <p><i>KT-294, unlike TYK2 SMI, can replicate the TYK2 deficient phenotype and result: potent Type I IFN, IL-12/23 inhibition fully while sparing IL-10</i></p> <p>WITH FOLLOWING EXPECTED CLINICAL DIFFERENTIATION:</p> |
|-----------------------------|---------------------------------------|--------------------------|------------------------|--|
| Psoriasis | ++ | ++ | +++ | >90% degradation vs 70-80% inhibition at steady state (best anti-IL23 profile) |
| Psoriatic Arthritis | ++ | ++ | +++ | >90% degradation vs 70-80% inhibition at steady state (best anti-IL23 profile) |
| IBD | - | ++ | +++ | >90% degradation vs 70-80% inhibition at steady state (best anti-IL23 profile), + sparing IL-10 |
| Lupus & interferonopathies | ++ | + | +++ | >90% degradation vs 70-80% inhibition at steady state (best anti-IL23 profile) + best anti-IFN profile |

Oral TYK2 Degradator: KT-294

Potential Best-in-Class Opportunity with Biologics-like Profile

Validated Biology

TYK2 is a member of the JAK family required for Type I IFN, IL-12 and IL-23 cytokine signaling

Pathway validated by upstream biologics (i.e. ustekinumab) and TYK2 SMI across many diseases

TYK2 validated by human genetics

Competitive Profile

IL-23 and Type 1 IFN-based biologic market currently ~\$18B annually

Estimated to grow to ~\$27B with expanded indications and new entrants

TYK2 SM inhibitors have limitations due to selectivity (deucravacitinib) or lack of potent IFN- α activity (TAK-279) and limited clinical target engagement (both)

Mega-blockbuster potential for oral degrader with biologics-like activity that is superior to TYK2 SMI



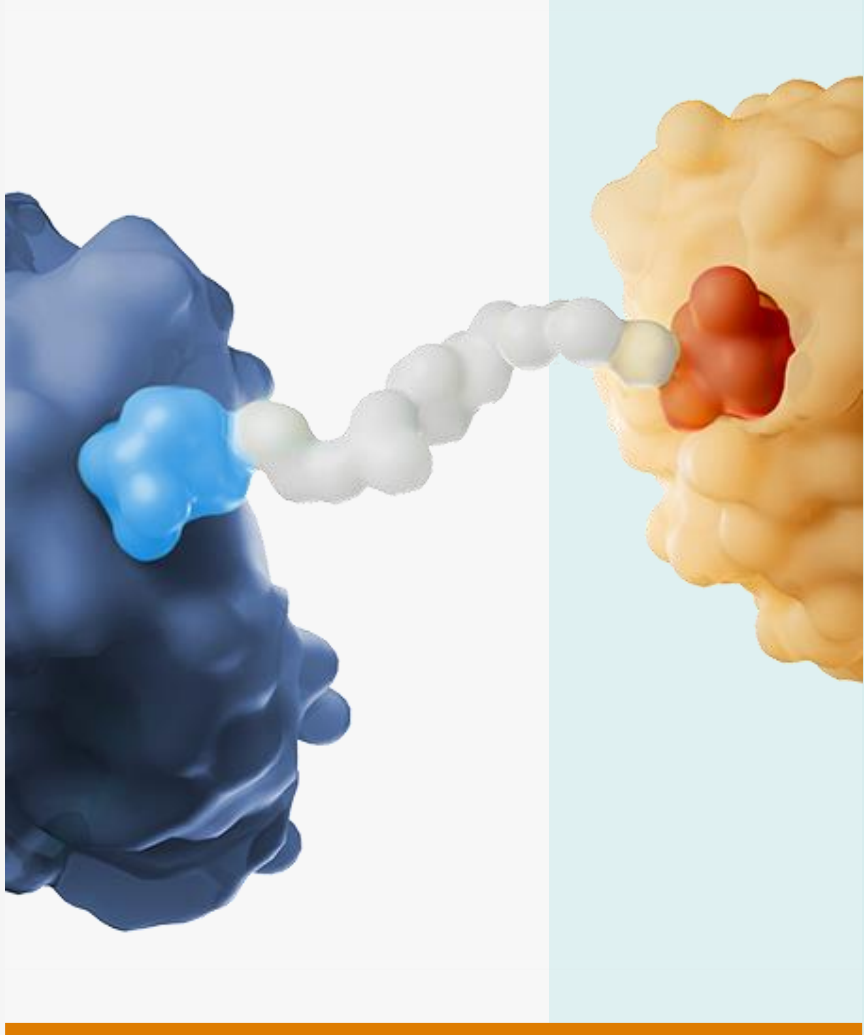
KT-294, FIH: 1H 2025

Degrades TYK2 in human cells with pM potency

Recapitulates the phenotype of TYK2 human deficiency showing potent IFN- α , IL-12 and IL-23 inhibition and sparing IL-10

Dosed orally, shows complete TYK2 degradation in NHP providing a path to full target engagement in clinic, unlike current SMI

Currently in IND enabling studies



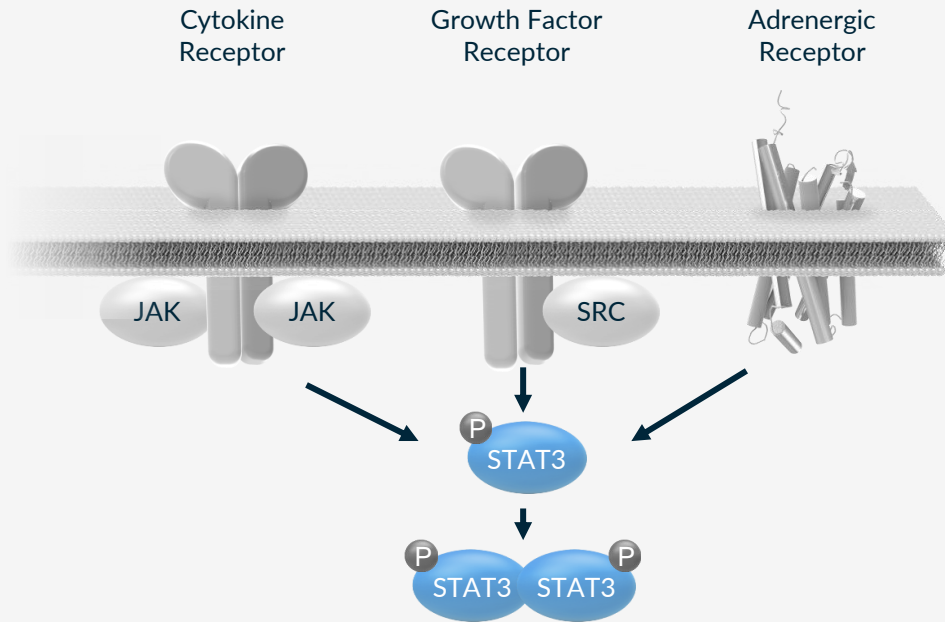
Kymera's Oncology Pipeline

MDM2, STAT3

Kymera Oncology Degradar Portfolio

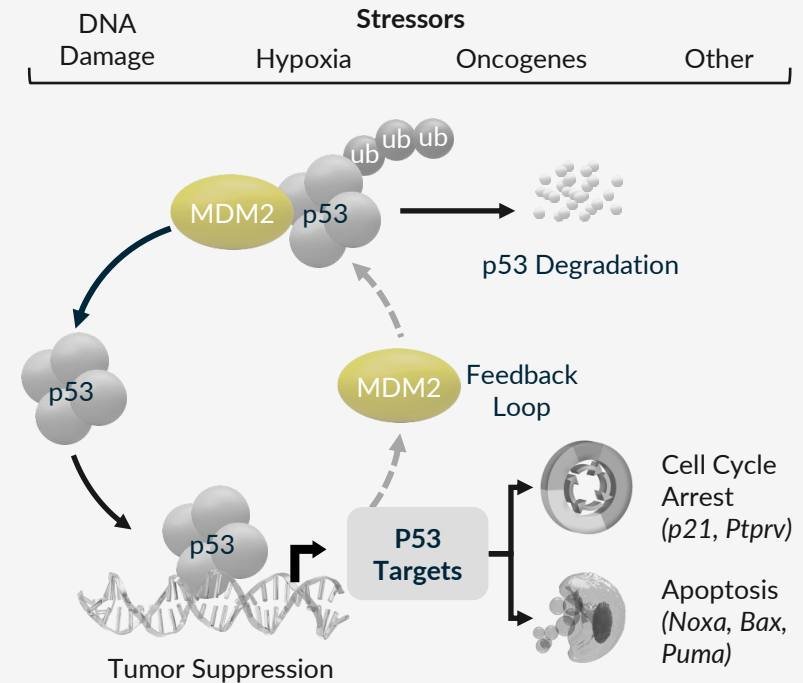
Targeting undrugged or poorly drugged targets in areas with large clinical and commercial impact, with focus on mechanisms that can address both liquid and solid tumors

STAT3 TRANSCRIPTION FACTOR

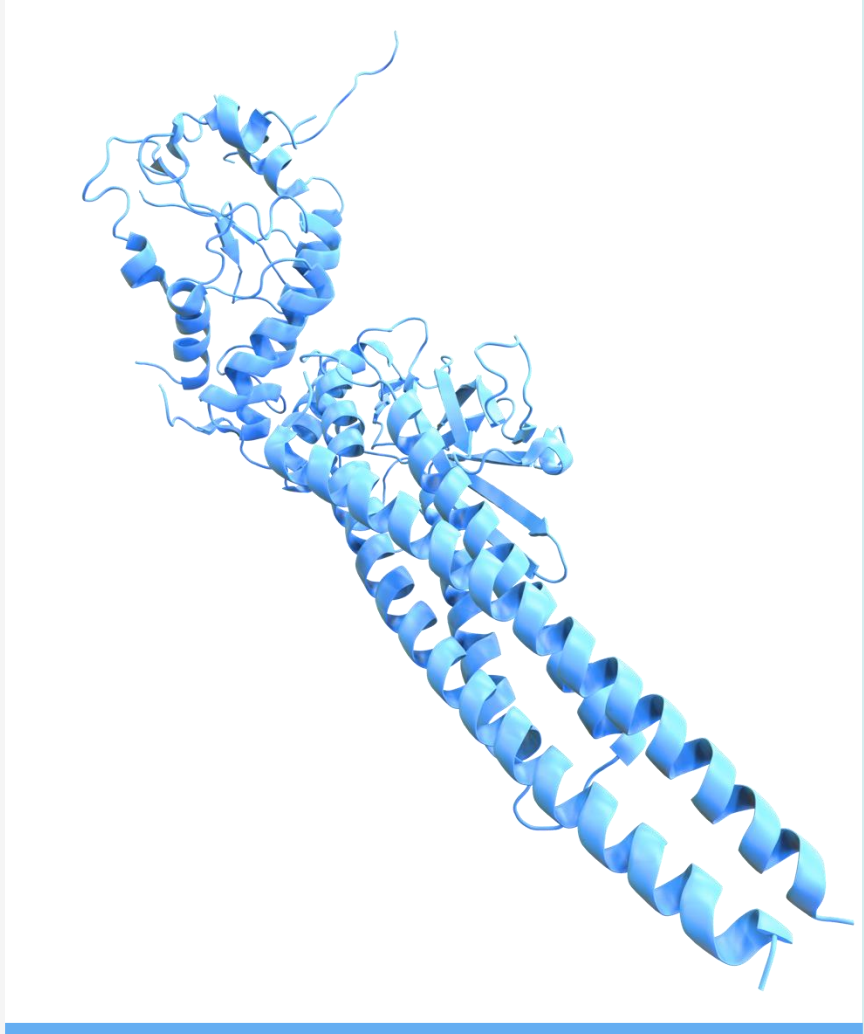


STAT3 is a **traditionally undrugged transcription factor** within a clinically validated pathway with unique tumor cell intrinsic and extrinsic mechanisms

MDM2 p53 MODULATOR



MDM2 is a poorly drugged (by SMI) E3 ligase that modulates p53, the **largest tumor suppressor**



KT-333

A First-in-Class STAT3 Degradator

STAT3 Biology and Target Rationale

Target Biology and Rationale

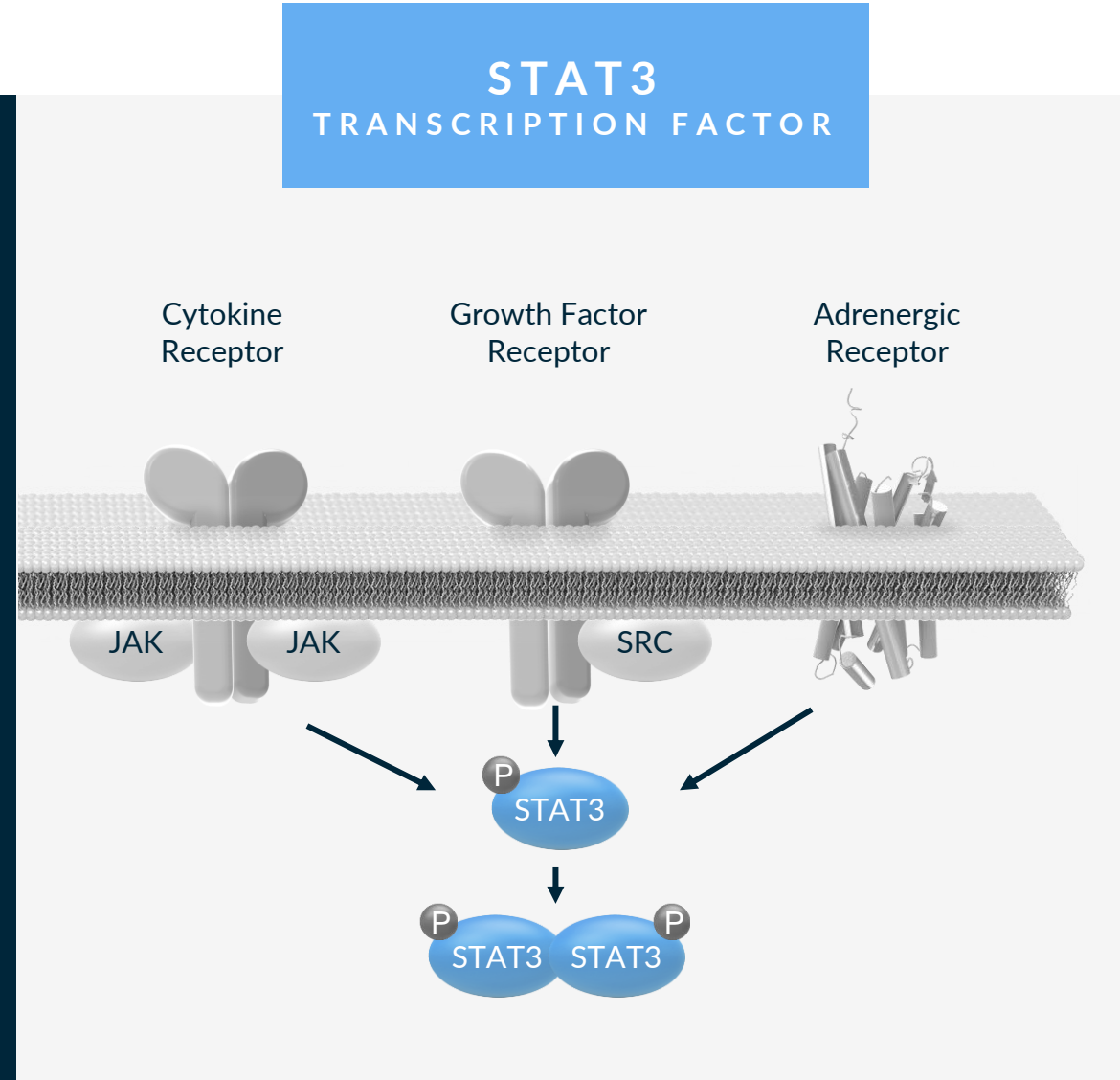
- STAT3 is a largely undrugged transcription factor activated through cytokine and growth factor receptors via JAKs and non-JAK mediated mechanisms
- STAT3 plays a role in tumor biology, evasion of immune surveillance and inflammation/fibrosis
- No known drugs selectively block STAT3 broadly across all relevant cell types or address both phosphorylation-dependent and -independent functions of STAT3

Clinical Pathway Validation

- Multiple drugs approved that target upstream effectors signaling through STAT3 (ruxolitinib [JAK1/2], tocilizumab [IL-6R], belumosudil [ROCK-2])

Human Genetics

- T cell lymphomas/leukemias responsive to JAK inhibition have STAT3 and/or JAK mutations and STAT3 pathway hyperactivation
- cHL responsive to anti-PD-1 and JAK inhibition has 9p24.1 JAK2/PD-L1/L2 amplicon and STAT3 activation



STAT3 Has Unique Tumor Cell Intrinsic and Extrinsic Mechanisms

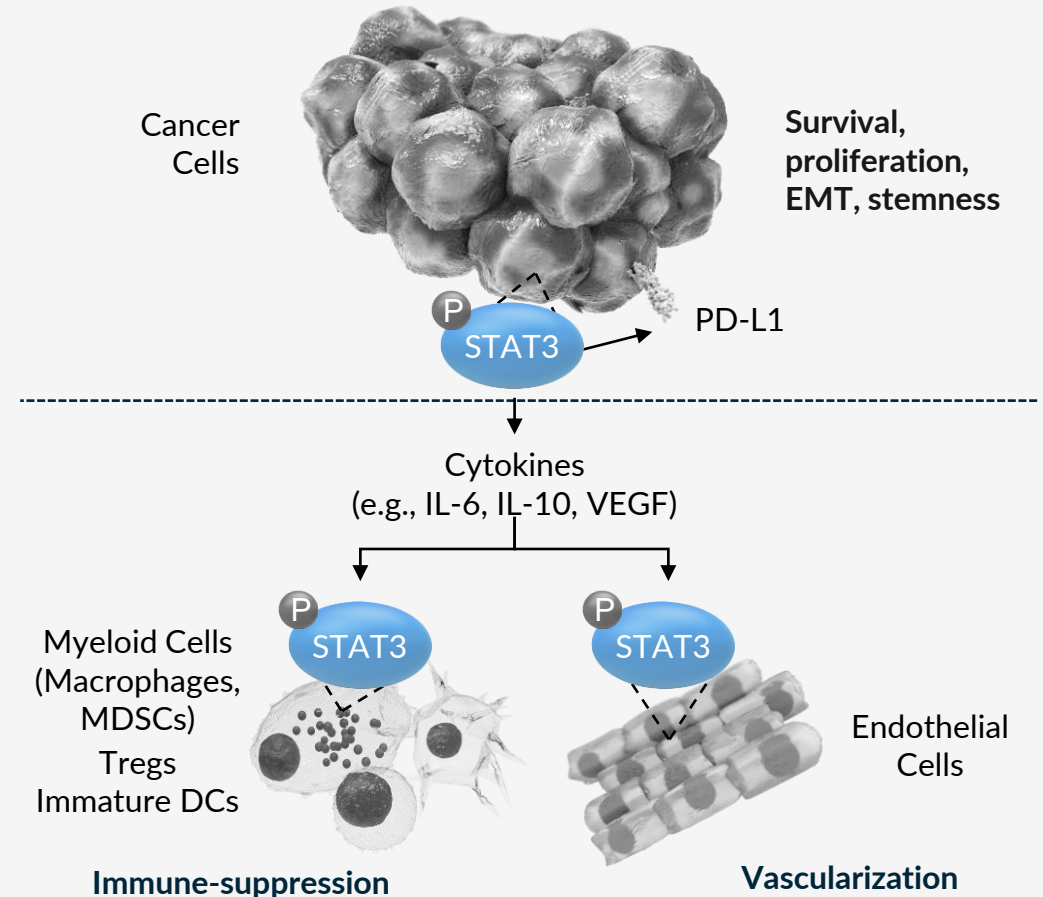
Tumor Intrinsic

- Hyperactivation of STAT3 via dysfunctional receptor signaling or genomic aberrations lead to tumorigenic processes.
- Therapeutic opportunities lie in STAT3-dependent malignancies (e.g., T cell malignancies and cHL) & in mitigation of resistance mechanisms driven by STAT3 signaling (e.g., TKI; KRAS G12C resistance)

Tumor Extrinsic

- STAT3 plays pivotal role in generation and maintenance of an immunosuppressive tumor microenvironment.
- Opportunities in anti-PD-1 sensitive tumors (e.g., cHL) and multiple heme and solid tumor indications poorly sensitive to immune checkpoint inhibitors that can be sensitized by TME remodeling (e.g., NSCLC with inactivating mutations in STK11, others)

STAT3 TRANSCRIPTION FACTOR



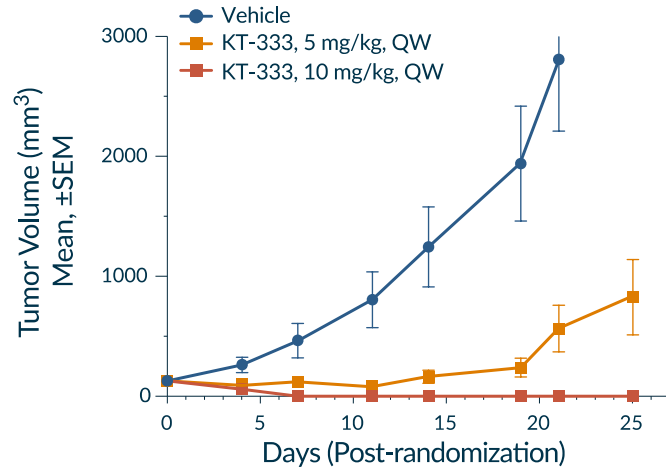
KT-333: First-in-Class STAT3 Degradator

Multiple Monotherapy and Combination Development Opportunities in Liquid and Solid Tumors

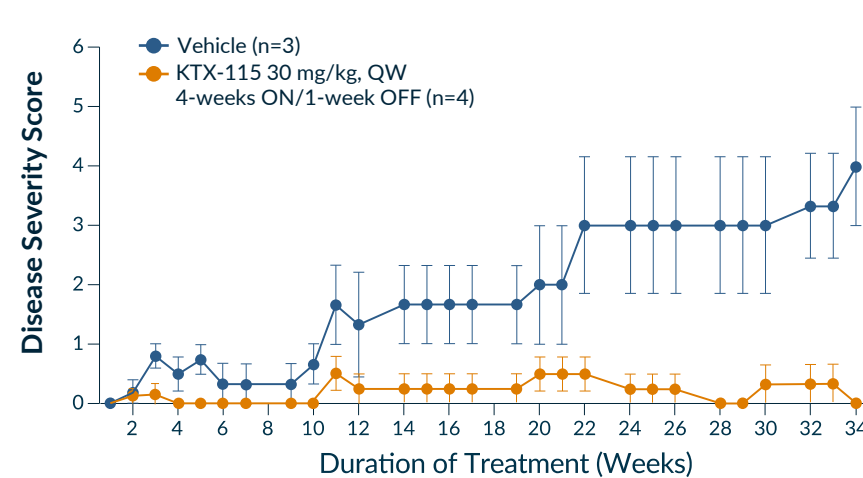
| | Hematological Malignancies | Solid Tumors |
|---------------------------|--|--|
| Pre-Clinical | <ul style="list-style-type: none"> • Durable single agent anti-tumor activity across multiple T-cell lymphoma models (ALCL and CTCL) • PD-L1 and JAK2 overexpression in cHL due to 9p24.1 amplicon with associated high pSTAT3 expression | <ul style="list-style-type: none"> • TME remodeling with induction of IFN-γ signature in solid tumor models leading to sensitization to anti-PD-1 |
| Clinical | <ul style="list-style-type: none"> • Anti-tumor activity in ongoing Phase 1a study in cHL, CTCL and NK-Cell Lymphoma with multiple PRs/CRs | <ul style="list-style-type: none"> • IFNγ signature response in blood and tumor in ongoing Phase 1a study indicates remodeling of TME |
| Development Opportunities | <ul style="list-style-type: none"> • Monotherapy opportunities with accelerated registration path across several high unmet need lymphoma indications | <ul style="list-style-type: none"> • Opportunities in combination with anti-PD-1 across different CPI-sensitive indications, and possible monotherapy and combo opportunities in certain genotype-defined sensitive patient populations |

| | U.S. Incidence | R.O.W. Incidence | Potential Patient Impact |
|--|-------------------|---------------------|---|
| Classical Hodgkin Lymphoma (cHL) | ~8.8k | ~11.4k | Combination potential to re-sensitize solid tumors to CPI therapy and/or enhance the response rates of CPI therapies across approved solid tumor indications, including NSCLC, SCLC, melanoma, SCCHN, RCC, UC, TNBC, MSI-H CRC, dMMR endometrial Mono- and combination therapy potential in biomarker-selected NSCLC, breast, pancreatic, cervical, others |
| Peripheral T-cell lymphoma (PTCL) | ~3.6k | ~4.5k | |
| Cutaneous T-cell lymphoma (CTCL) | ~3.6k | ~2.5k | |
| Large granular lymphocyte leukemia (LGL-L) | <1k | <1k | |

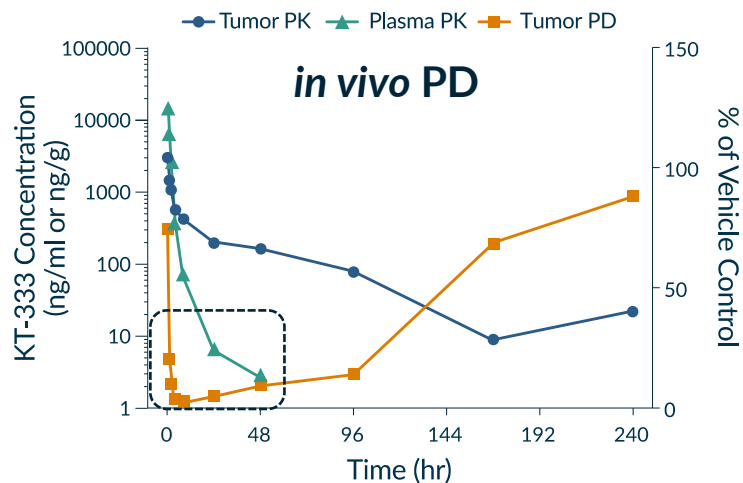
Durable Anti-Tumor Activity of STAT3 Degradation as a Single Agent in Preclinical Models of T cell Lymphoma



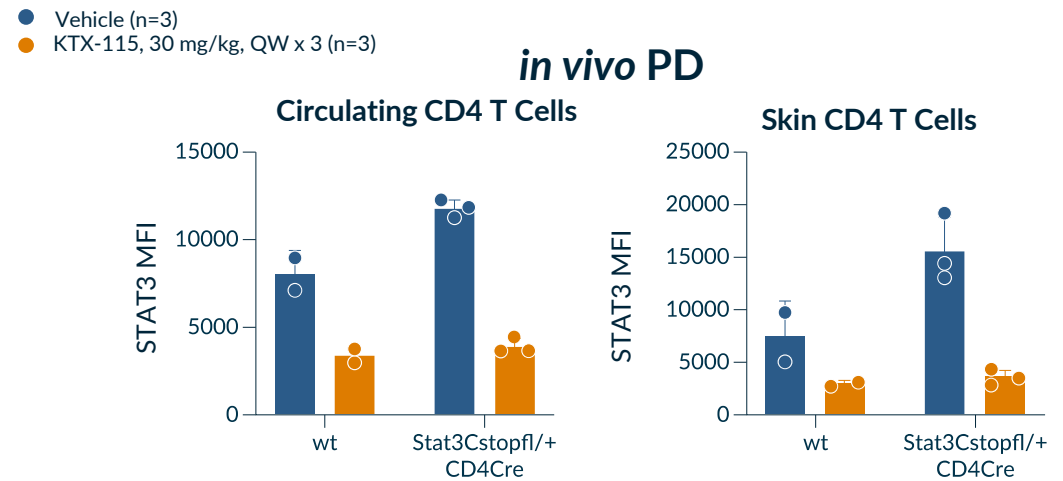
64th ASH[®]
Annual Meeting
and Exposition



Complete Tumor Regressions Associated with $\geq 90\%$ STAT3 KD for ~48h Achieved with Intermittent Dosing of KT-333



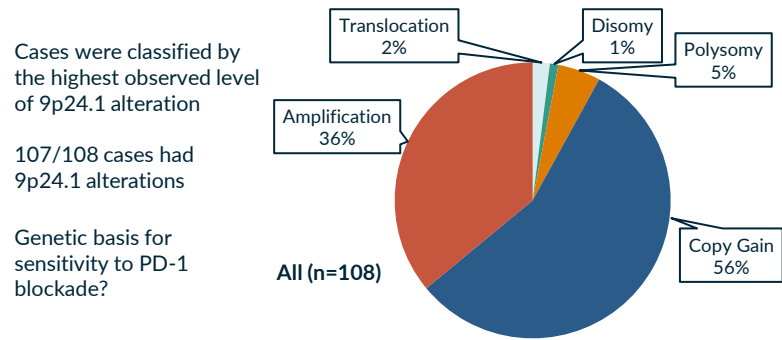
STAT3 Degradation Results in Disease Amelioration in a CTCL Preclinical Model with Potent Degradation of STAT3 in CD4+ T Cell-of-Origin



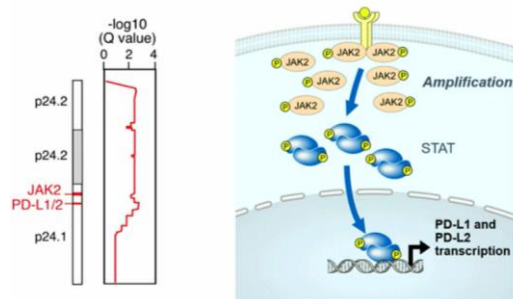
Genetic and Clinical Validation for Targeting STAT3 in cHL

Genetic Basis for Anti-PD-1 Activity in cHL

Chromosome 9p24.1/PD-L1/PD-L2 Copy Number Alterations a Defining Feature in Newly Diagnosed Hodgkin Lymphoma



9p24.1 Amplicon Block in CHL and PMBL

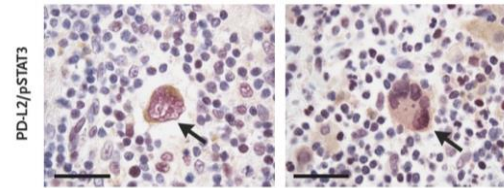


PD-L1 and PD-L2 Copy Gain and Further Induction via JAK2/STAT Signaling

Green et al., *Blood* (2010)

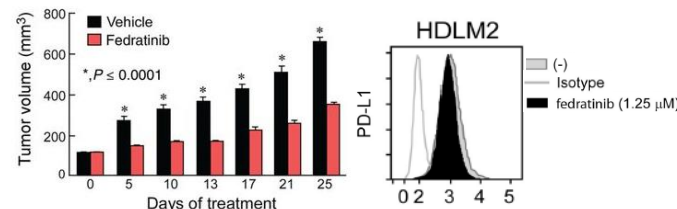
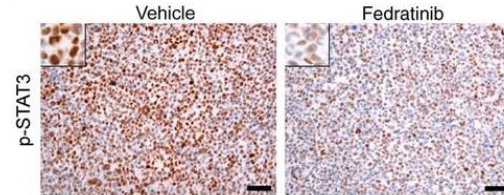
- Anti-PD-1 drugs nivolumab and pembrolizumab highly active and approved for R/R cHL

STAT3 Activation in cHL and Impact of JAK-STAT Inhibition



| Patient No. | Cytogenetic Alterations | | IHC-positive HRS cells | | Nuclear pSTAT3 | EBER |
|-------------|-------------------------|-------------|------------------------|-------|----------------|------|
| | Polysomy 9p | PDL1/2 Gain | PDL1/2 Amplification | PD-L1 | | |
| 1 | + | - | - | + | + | - |
| 2 | + | - | - | + | + | - |
| 3 | + | - | - | + | + | - |
| 4 | + | + | - | + | + | - |
| 5 | + | + | - | + | + | - |
| 6 | + | + | - | + | + | + |
| 7 | + | + | + | + | + | - |
| 8 | + | + | + | + | + | - |
| 9 | - | + | + | + | + | - |
| 10 | - | - | + | + | + | - |

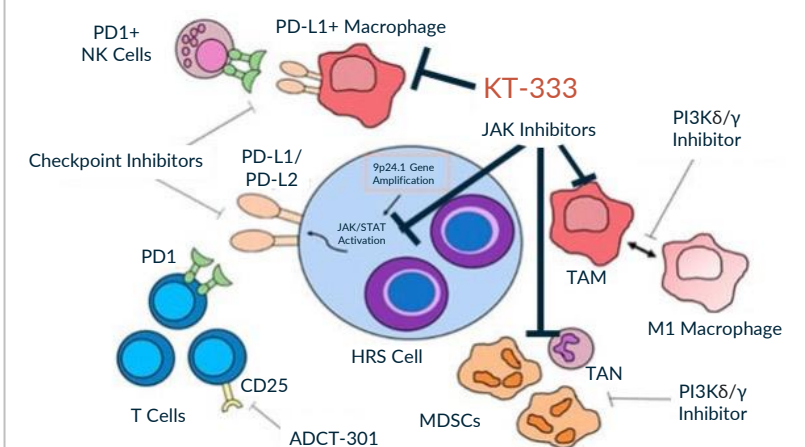
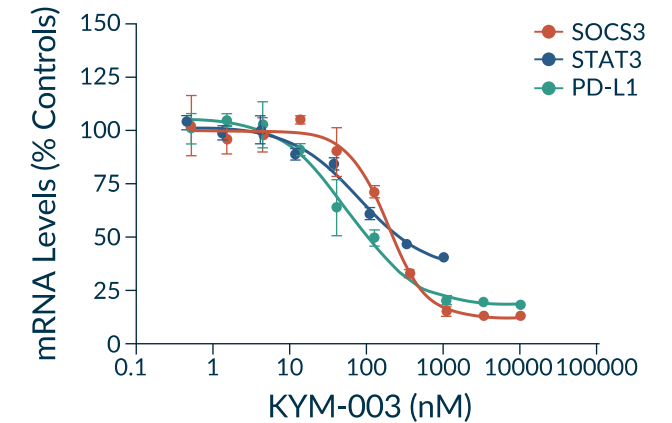
Ansell et al. *NEJM* (2015)



Hao et al., *Clin Cancer Res* (2014)

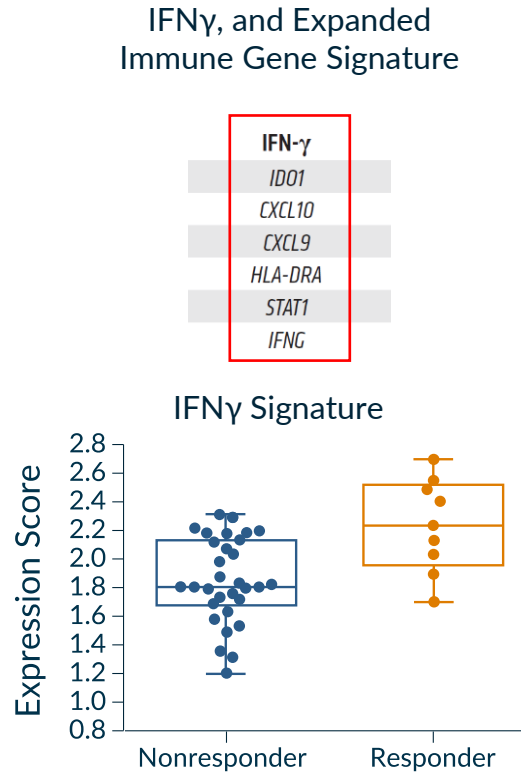
STAT3 Degradator: Potential to Impact JAK-STAT and PD-L1/L2 Pathways

PD-L1 Downregulation by STAT3 Degradator

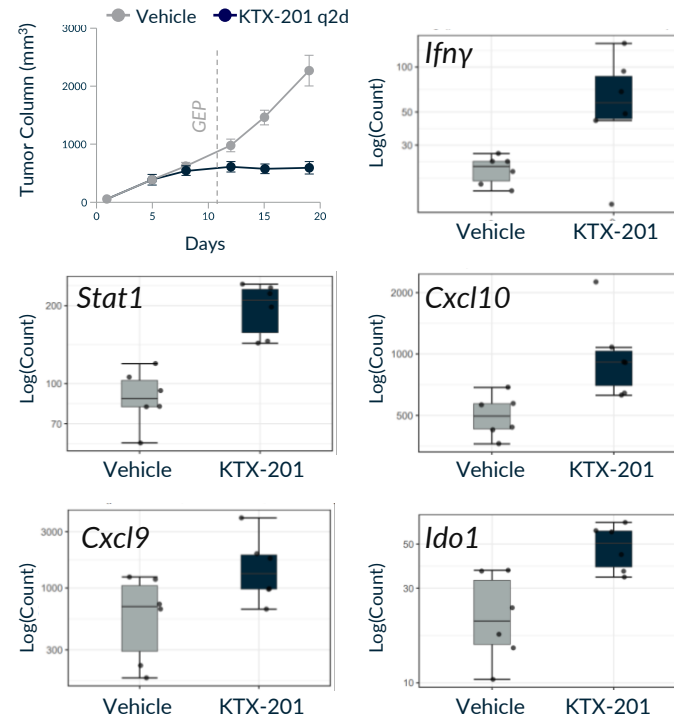


STAT3 Degradation Elicits an IFN γ Gene Signature in TME and Sensitizes Solid Tumor Mouse Models to PD-1 Inhibition

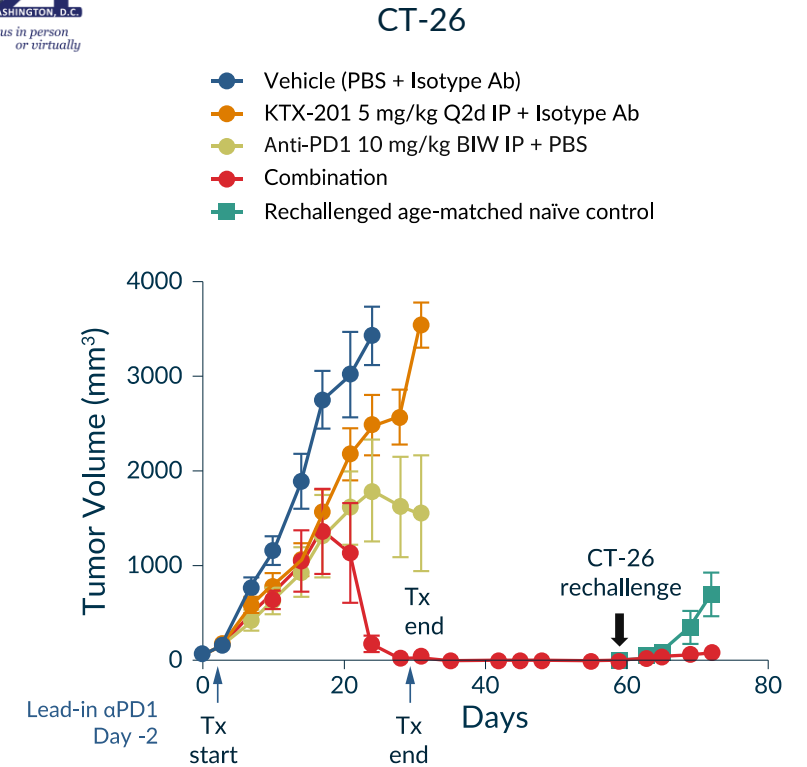
IFN γ mRNA Signature Predictive of Clinical Responses to Anti-PD-1 (Pembrolizumab)



IFN γ mRNA Signature in TME Elicited by STAT3 Degradation in CT-26 Preclinical Model

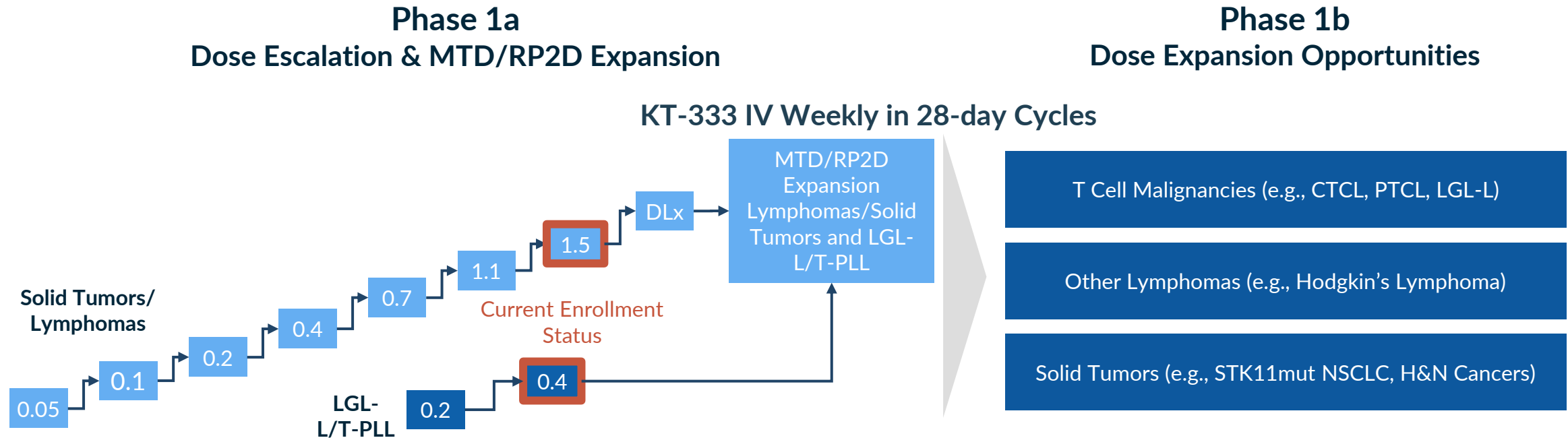


STAT3 Degradation Sensitizes CT-26 Model to Anti-PD-1 via Activation of Anti-tumor Immunity



KT-333: Phase 1, Multicenter, Dose-Escalation and Expansion Trial to Evaluate KT-333

Adult Patients with Lymphomas, Leukemias and Solid Tumors



| Key Objectives | Phase 1a | Phase 1b |
|--------------------|--|---|
| Primary | <ul style="list-style-type: none"> Safety/Tolerability and MTD and RP2D | <ul style="list-style-type: none"> Safety/Tolerability at RP2D in Patients with Lymphoma/Leukemia and Solid Tumors |
| Secondary | <ul style="list-style-type: none"> PK Parameters of KT-333 Preliminary Estimates of Activity | <ul style="list-style-type: none"> Preliminary Clinical Activity (ORR, DoR, PFS, DCR, OS) PK Parameters of KT-333 |
| Exploratory | <ul style="list-style-type: none"> PD Effects of KT-333 | <ul style="list-style-type: none"> PD Effects of KT-333 |

MTD: Maximum Tolerated Dose. RP2D: Recommended Phase 2 Dose. ORR: Overall Response Rate

Phase 1a Enrollment

| | Dose Level 1 0.05 mg/kg (n=4) | Dose Level 2 0.1 mg/kg (n=4) | Dose Level 3 0.2 mg/kg (n=8) | Dose Level 4 0.4 mg/kg (n=14) | Dose Level 5 0.7 mg/kg (n=8) | Dose Level 6 1.1 mg/kg (n=6) | Dose Level 7 1.5 mg/kg (n=3) | Overall (N=47) |
|--|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------|
| Age (years) | | | | | | | | |
| Median (min, max) | 64.5 (57, 70) | 63.5 (59, 74) | 70.5 (40, 76) | 63.5 (42, 81) | 66.0 (30, 75) | 45.5 (24, 73) | 61.0 (50, 65) | 65.0 (24, 81) |
| Sex (n, (%)) | | | | | | | | |
| Male | 3 (75.0) | 1 (25.0) | 4 (50.0) | 12 (85.7) | 6 (75.0) | 2 (33.3) | - | 28 (59.6) |
| ECOG | | | | | | | | |
| 0 | 1 (25.0) | - | 4 (50.0) | 5 (35.7) | 4 (50.0) | 4 (66.7) | 1 (33.3) | 19 (40.4) |
| 1 | 3 (75.0) | 4 (100) | 4 (50.0) | 9 (64.3) | 4 (50.0) | 1 (16.7) | 2 (66.7) | 27 (57.4) |
| 2 | - | - | - | - | - | 1 (16.7) | - | 1 (2.1) |
| Prior Systemic Therapy Regimens | | | | | | | | |
| ≥4 | 2 (50.0) | 4 (100.0) | 5 (62.5) | 7 (50.0) | 3 (37.5) | 4 (66.7) | 2 (66.7) | 26 (55.3) |
| Tumor Type | | | | | | | | |
| Solid Tumor [‡] | 3 (75.0) | 2 (50.0) | 5 (62.5) | 7 (50.0) | 3 (37.5) | - | 1 (33.3) | 21 (44.7) |
| CTCL | 1 (25.0) | 1 (25.0) | - | 3 (21.4) | 2 (25.0) | 4 (66.7) | - | 11 (23.4) |
| T-Cell LGL-L | - | - | 2 (25.0) | - | 2 (25.0) | - | - | 4 (8.5) |
| Hodgkin's | - | - | - | 2 (14.3) | - | 2 (33.3) | - | 4 (8.5) |
| PTCL | - | 1 (25.0) | - | 1 (7.1) | - | - | 1 (33.3) | 3 (6.4) |
| T-PLL | - | - | 1 (12.5) | 1 (7.1) | - | - | - | 2 (4.3) |
| NK-Cell Lymphoma | - | - | - | - | - | - | 1 (33.3) | 1 (2.1) |
| B-Cell Lymphoma | - | - | - | - | 1 (12.5) | - | - | 1 (2.1) |

- As of June 3, 2024, 47 patients enrolled across Dose levels 1-7 (0.05–1.5 mg/kg)
- Patients with leukemias (T-cell LGL and T-PLL) are evaluated with leukemia-specific DLT criteria and separated out into separate dose escalation based on DLTs observed during dose escalation

[‡] = colorectal (4); head and neck (3); pancreatic (2); anal; appendiceal; cervical; cholangiocarcinoma; colon adenocarcinoma; duodenal; endometrial; gallbladder; ovarian, peritoneal, rectal and renal (n=1 each)

KT-333 Safety Summary: DL1-7

Data cut-off date of June 3, 2024

- Overall, KT-333 well-tolerated with primarily Grade 1-2 AEs
- Most common AEs related to KT-333 in >10% of all patients (n=47):
 - Stomatitis (38%)
 - Fatigue (17%)
- Related Grade 3 AEs were stomatitis, n=2; arthralgia, n=1; fatigue, n=1; weight decreased, n=1 (there were no >Grade 3* AEs considered related to KT-333)
- Related SAEs were Grade 2 pyrexia (n=1) in a patient with NK-Cell lymphoma and Grade 3 stomatitis in a patient with LGL-L (was also a DLT)
- Two DLTs observed in LGL-L patients, Grade 3 stomatitis and arthralgia, at DL5; one DLT observed in a lymphoma patient, Grade 3 fatigue, at DL7

* Two Grade 4 events were observed: DL4: CTCL patient with Grade 4 Toxic epidermal necrolysis and an LGL-L patient in DL5 with Grade 4 Neutropenia, both considered not related to KT-333. No Grade 5 events.

Responses Observed Across Multiple Tumor Types During Dose Escalation of KT-333

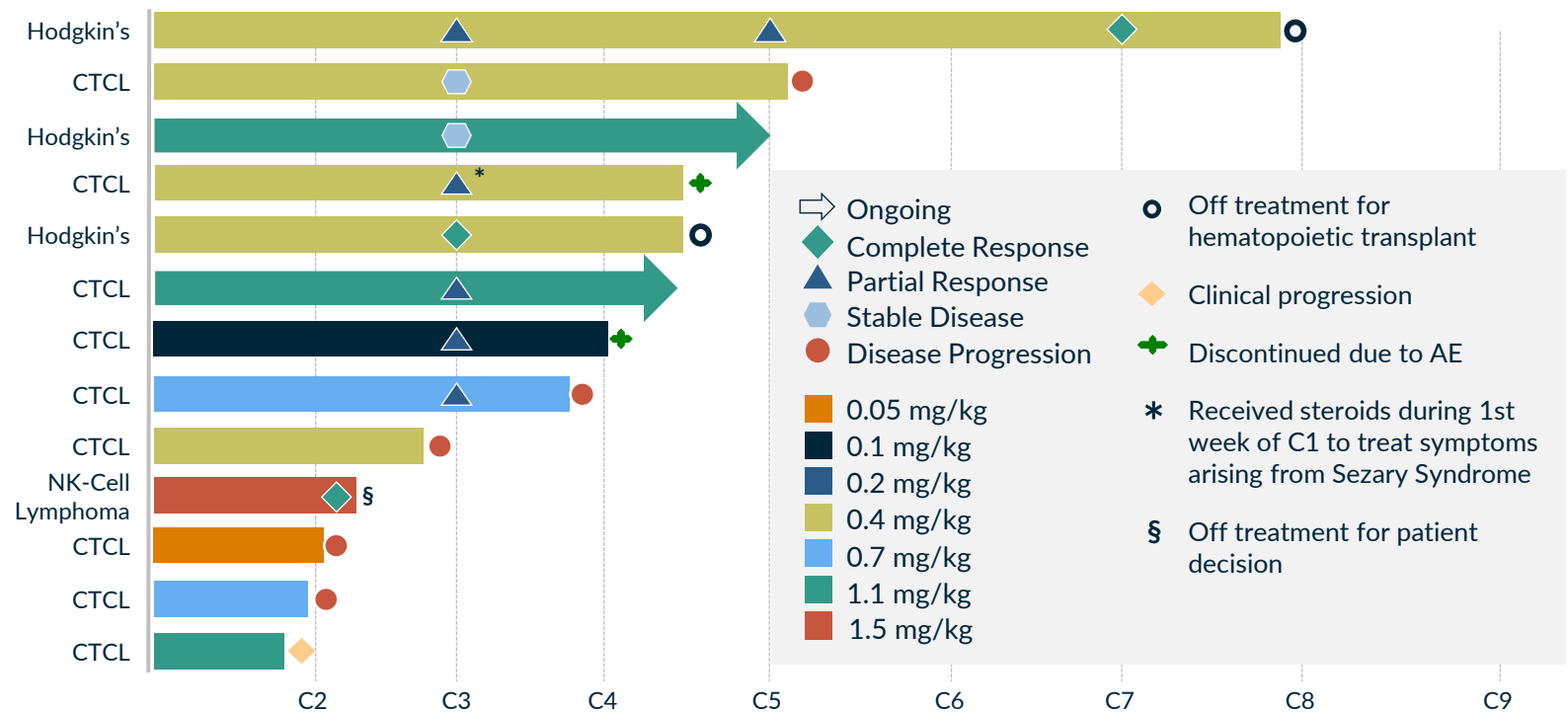
Data cut-off date of June 3, 2024

Clinical Responses

| | Best Overall Response ¹ | | | | |
|---------------------|------------------------------------|------------------------|-------------------------|--------------------|---|
| | Hodgkin's Lymphoma (n=3) | NK-Cell Lymphoma (n=1) | CTCL ³ (n=9) | Solid Tumor (n=14) | Other Hematologic Malignancies ⁴ (n=5) |
| Complete Response | 2 | 1 ² | - | - | - |
| Partial Response | - | - | 4 | - | - |
| Stable Disease | 1 | - | 1 | 4 | - |
| Progressive Disease | - | - | 4 ⁵ | 10 | 5 |

¹The patient totals listed above represent the number of patients enrolled that were disease evaluable for response assessment at the time of cut-off; ²PET-CR; ³Cutaneous T-Cell lymphoma; ⁴Includes two patients with peripheral T-Cell lymphoma and one each of B-Cell NHL, LGL-L and T-PLL; ⁵Includes one patient with clinical progression

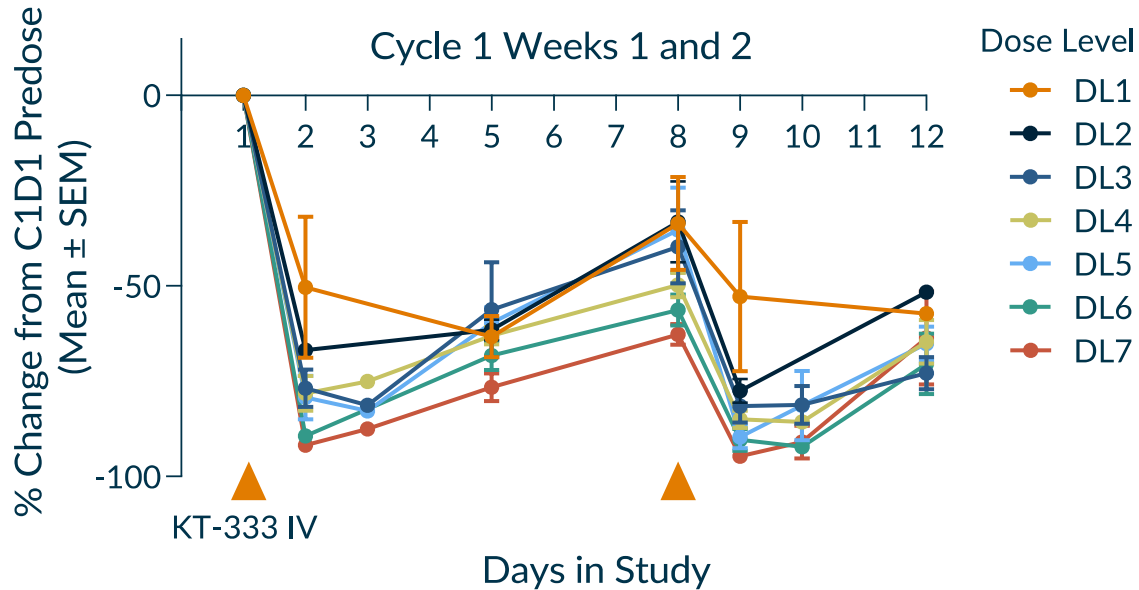
Duration of Time on Treatment: Disease Evaluable CTCL, Hodgkin's and NK-Cell Lymphoma Patients



Antitumor activity observed across multiple hematological malignancies, including complete responses in two patients with Hodgkin's lymphoma moving to potentially curative stem cell transplants after treatment

Robust STAT3 Degradation in PBMCs

Timecourse of STAT3 Degradation in PBMCs

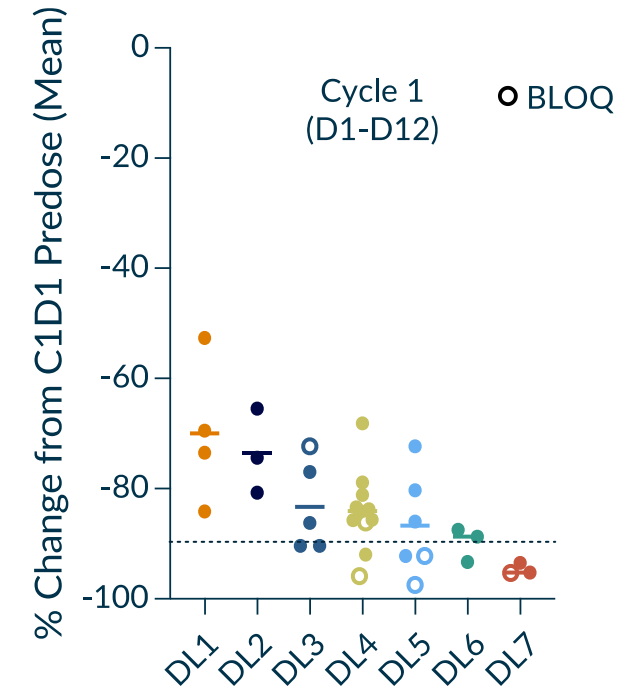


Maximum Degradation of STAT3 in PBMCs

| Dose Level | Cycle 1 D1-D12 |
|------------|---------------------------------|
| 0.05 mg/kg | -69.9% (-52.6%, -84.1%; 4) |
| 0.1 mg/kg | -73.5% (-65.5%, -80.7%; 3) |
| 0.2 mg/kg | -83.3% (-72.3%*, -90.4%; 5) |
| 0.4 mg/kg | -84.0% (-68.1%, -95.9%*, 11) |
| 0.7 mg/kg | -86.8% (-72.3%, -97.5%*, 6) |
| 1.1 mg/kg | -89.8% (-87.5%, -93.3%; 3) |
| 1.5 mg/kg | -94.7% (-93.5%, -95.3%*, 3) |

*BLOQ

Per Patient (min, max; n)

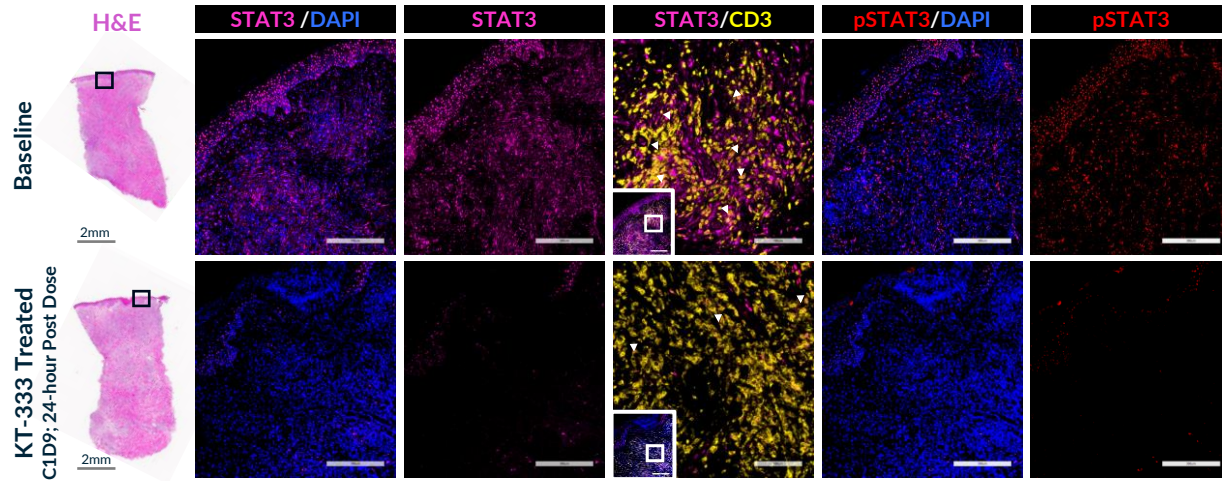


Maximum STAT3 Degradation was > 90% in 9 Patients in Cycle 1 of DL3 through DL7

- Strong proof-of-mechanism demonstrated for KT-333 with up to 95% mean maximum degradation of STAT3 in PBMCs at DL7

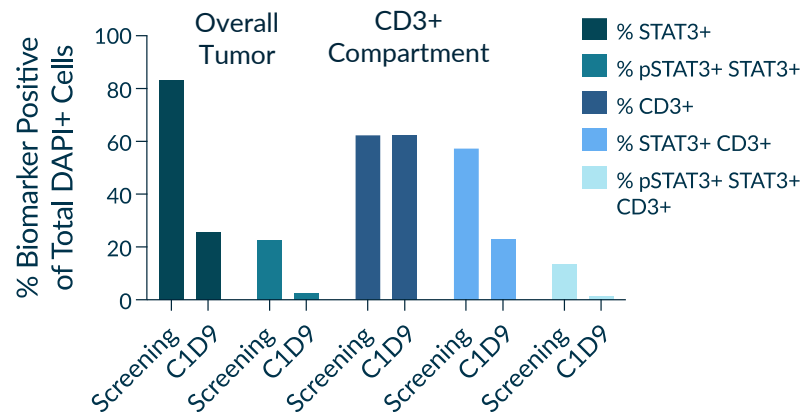
Robust STAT3 Knockdown and Induction of Antitumor IFN- γ Response in Tumor Biopsies

KT-333 Leads to Marked Reductions in STAT3, pSTAT3 in Tumor Tissue from a CTCL Patient

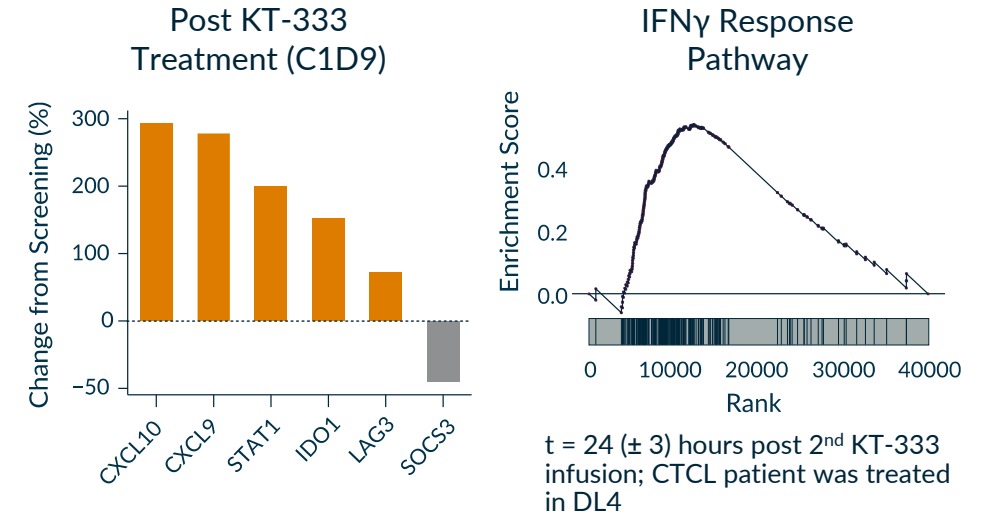


STAT3 and pSTAT3 % Positive Cells are Reduced

- 69% & 87% respectively in the post treatment tumor biopsy compared to screening



KT-333 Leads to Induction of IFN γ Pathway Response and Downregulation of SOCS3 in a CTCL Tumor



- KT-333 resulted in robust reduction of STAT3 and pSTAT3 expression by 69% and 87% in a CTCL tumor biopsy in DL4
- Induction of IFN- γ signature in tumor by KT-333 consistent with preclinical findings where effect in syngeneic solid tumor model associated with enhanced response to anti-PD-1

STAT3 Degradator: KT-333

First-in-class opportunity to address STAT3 driven pathology across broad indications



Recent Clinical Data*

Strong PD effect in blood with mean maximum STAT3 degradation of 90-95% at DL6-7 and maximum degradation up to 98%

STAT3 and pSTAT3 positive cells reduced by 69% and 87% in tumor at DL4; IFN- γ response observed in tumor and blood

KT-333 safe and well-tolerated at top dose levels in lymphomas and solid tumors

CRs achieved in 2 of 3 cHL patients who progressed after prior BV and CPI enabling HSCT in both

PRs achieved in 4 of 9 CTCL patients; CR in STAT3^{mut} NK-Cell Lymphoma

*As of June 3, 2024, data cut-off date.

Significant Opportunity

Activity in cHL identifies potential 3L monotherapy and 2L anti-PD1 combination development pathways

CTCL activity shows potential in R/R disease that could be further enhanced through combinations

Response in STAT3^{mut} lymphoma further highlights potential in pts with STAT3 pathway hyperactivation

Opportunity for expansion into solid tumors in combination with immune checkpoint inhibitors (e.g., anti-PD1) and targeted therapy (e.g., KRAS inhibitors)

P1a Completion: 2024

Completion of Phase 1a dose escalation expected 2024 with remaining enrollment focused on cHL

Evaluate next steps including potential Ph1b expansions in cHL and CTCL and evaluation of anti-PD1 combination in cHL

Explore opportunities for evaluation of combination with anti-PD1 in solid tumors



KT-253

A First-in-Class MDM2 Degradator

MDM2 Biology and Target Rationale

Target Biology and Rationale

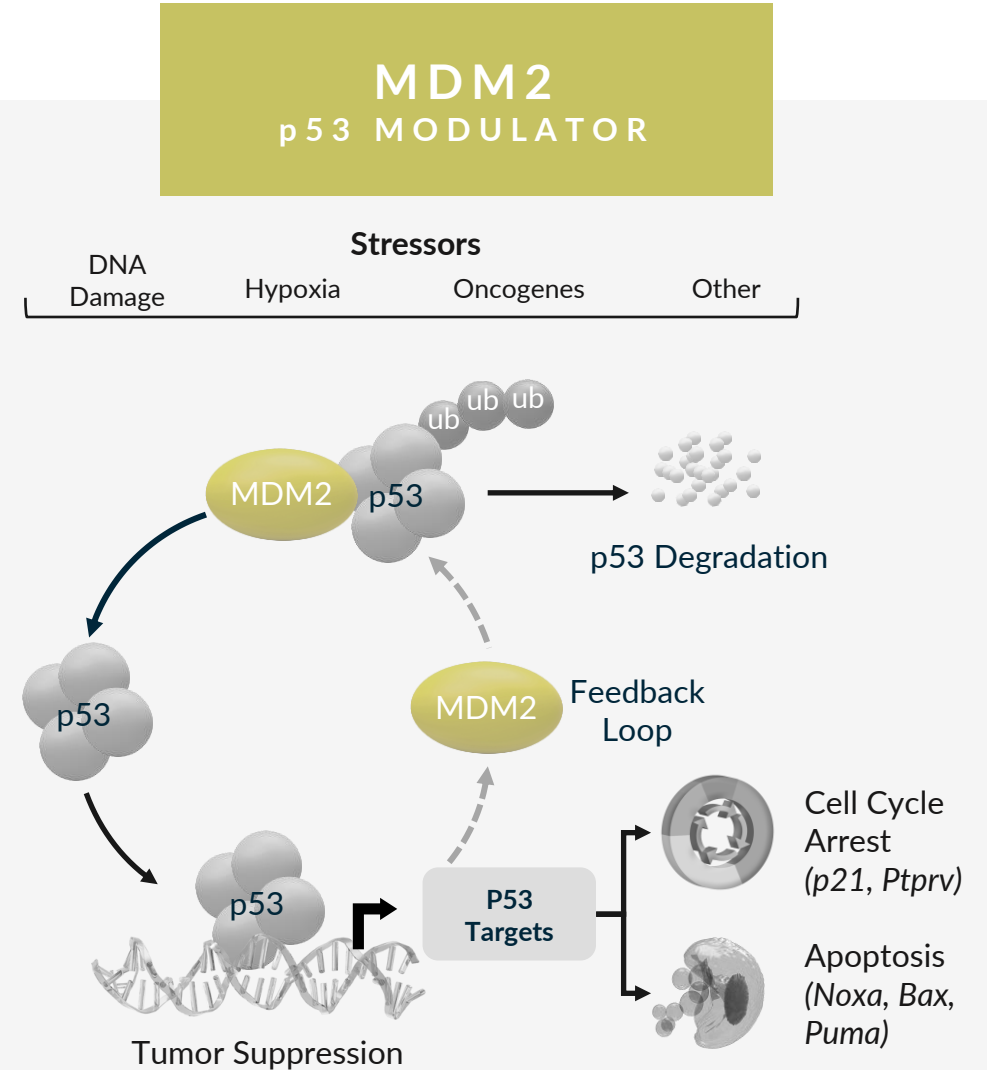
- MDM2 is the E3 ligase that modulates p53, the largest tumor suppressor
- MDM2 overexpression and amplification can inactivate p53 in the 50% of tumors that are p53 WT
- Activity of small molecule inhibitors of MDM2 limited by p53-MDM2 feedback loop that interferes with pharmacologic effect of SMIs

Clinical Pathway Validation

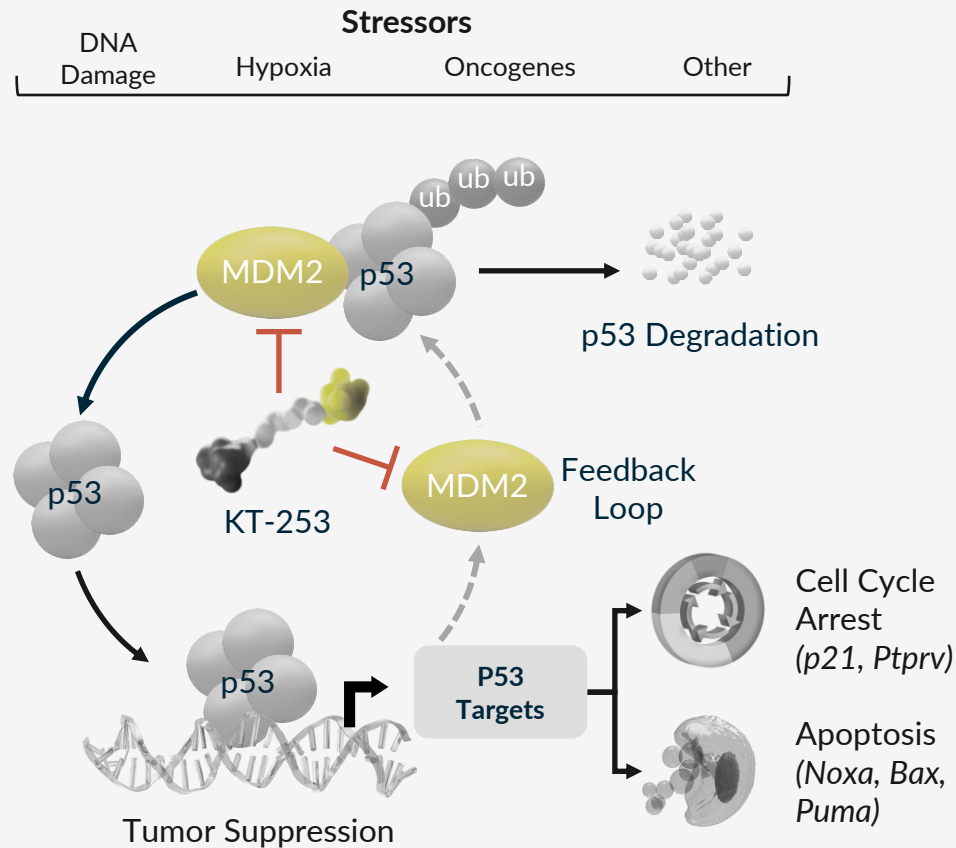
- MDM2 SMIs have demonstrated p53 pathway activation (e.g. plasma GDF-15 elevation) and modest monotherapy clinical activity in AML as well as activity in Merkel Cell Carcinoma and Myelofibrosis

Human Cancer Genetics

- DepMap demonstrated MDM2 dependency across multiple p53 WT cell lines
- Only MDM2 degradation has potential to phenocopy impact of genetic deletion in p53 WT tumors



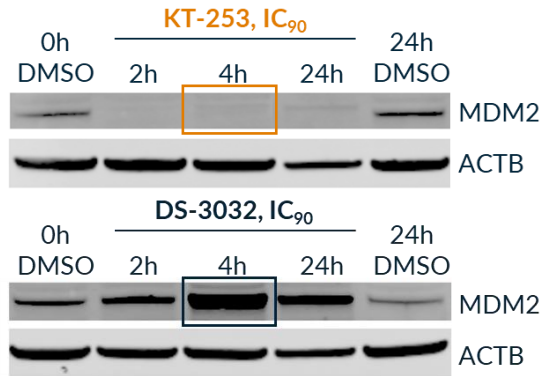
MDM2 Degradation Advantage



- Unlike small molecule inhibitors, degraders remove the protein, which can overcome the p53-dependent feedback loop that upregulates MDM2 production, enabling an acute apoptotic response
- Induction of acute apoptotic response in tumors allows time for recovery of normal cells and an increase TI vs SMI
- Emerging gene signature of sensitivity to MDM2 degrader mechanism to be leveraged to prospectively select patients in Phase 1b and beyond

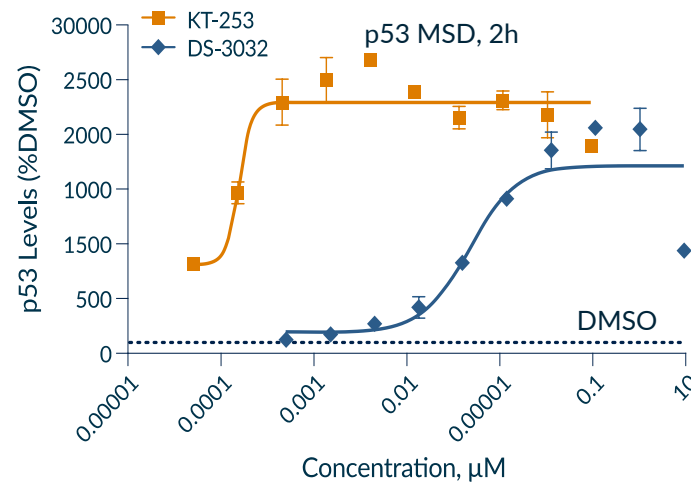
KT-253's Potent p53 Stabilization with Brief Exposures Drives Apoptosis in Cancer Cells

KT-253 Keeps MDM2 Levels Undetectable, Stabilizing p53

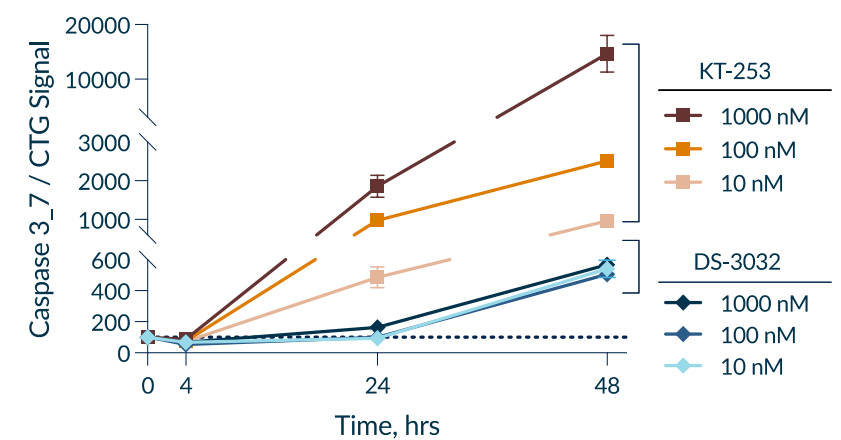


MDM2 levels are increased by the small molecule inhibitor (feedback loop), impairing p53 stabilization

KT-253 Strongly Stabilizes p53



4hr Target Coverage by KT-253 Is Sufficient to Induce Apoptosis

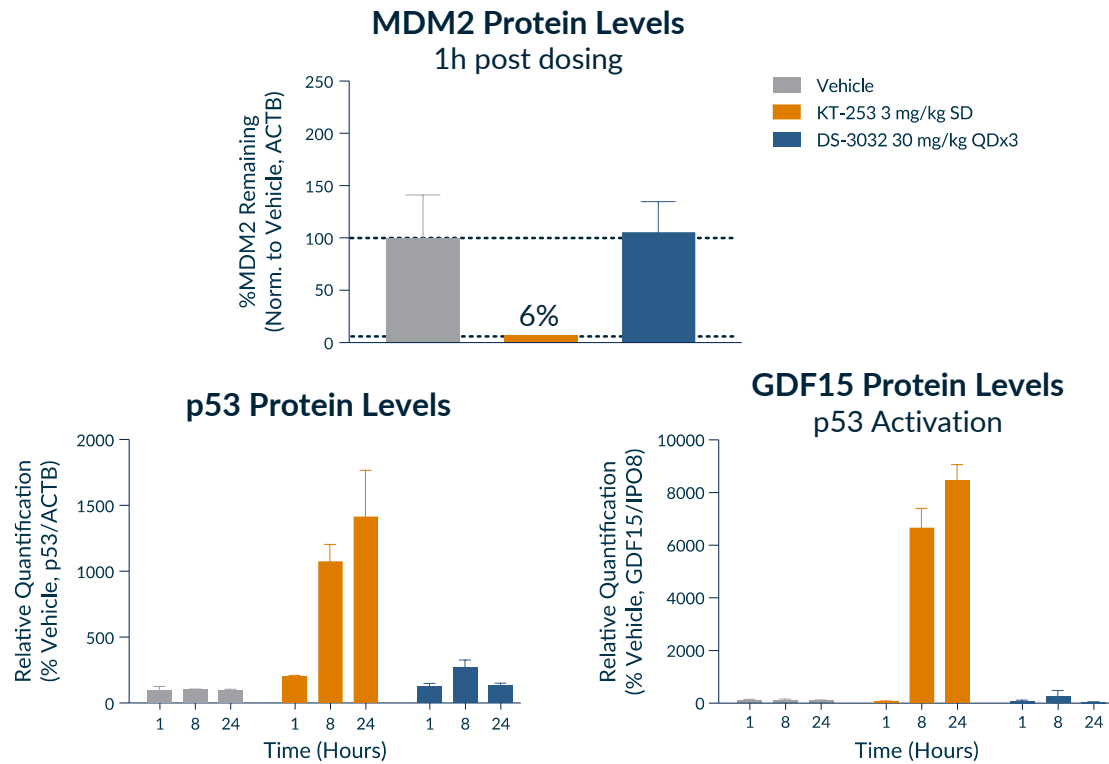


| Compound | KT-253 | DS-3032 | AMG-232 |
|---|---------|----------------------|---------------------------|
| Company | Kymera | Sankyo/Rain | Amgen/Kartos |
| Clinical stage | Phase I | Completed/Terminated | Multiple Ph II; combo AML |
| RS4;11 IC ₅₀ (nM) (Cell Viability) | 0.3 | 67 | 280 |
| MDM2-HiBiT, DC ₅₀ (nM) (Degradation) | 0.4 | - | - |

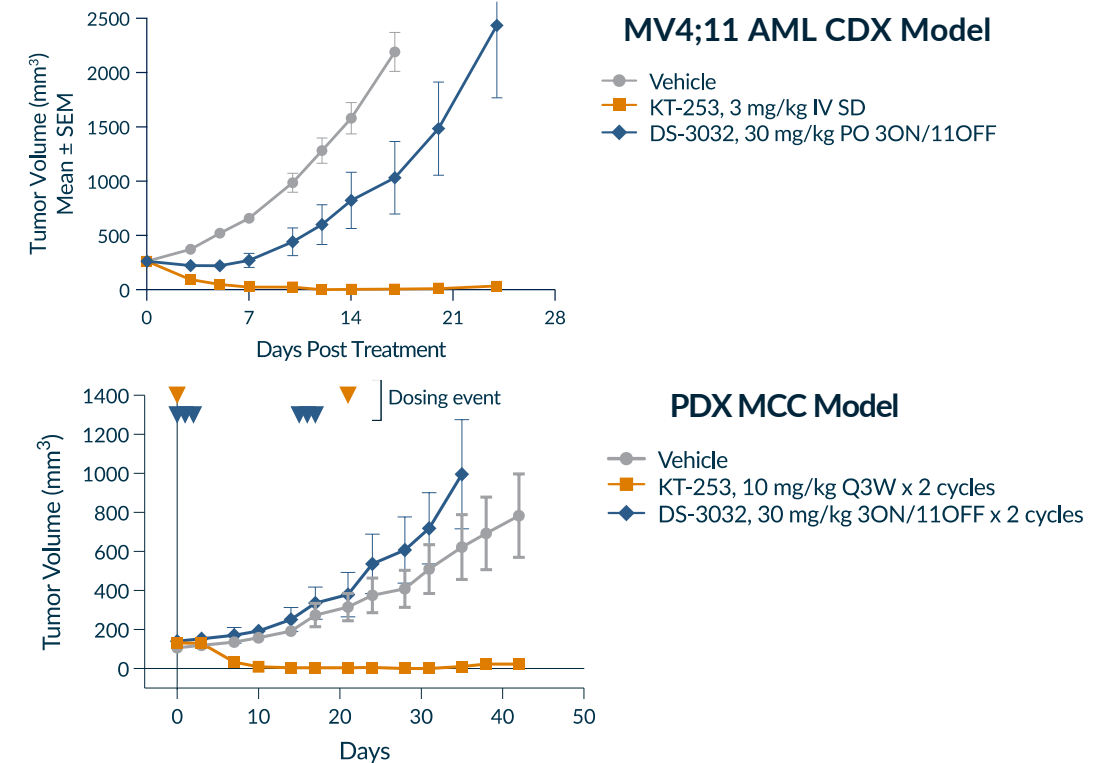
- KT-253 is **>200-fold more potent** in tumor cell viability assays than SMI's
- Data supports intermittent dosing schedule of KT-253 can drive efficacy while increasing therapeutic index

KT-253 Potently Degrades MDM2 leading to Pathway Impact and Antitumor Activity Superior to SMI in AML and MCC Models

MDM2 Degradation Leads to Superior P53 Upregulation vs SMI



MDM2 Degradation Leads to Superior Antitumor Responses in AML and MCC Preclinical Models



- Targeted proteomic analysis of RS4;11 tumors demonstrates robust degradation of MDM2 one hour post dosing and associated pathway activation biomarkers including p53 and GDF15

- Sustained tumor regressions in MV4;11 (AML) CDX models after a single 3 mg/kg KT-253 dose
- KT-253 demonstrated robust anti-tumor activity in Merkel Cell Carcinoma
- No antitumor activity observed with clinically relevant dosing regimen of SM (DS-3032)

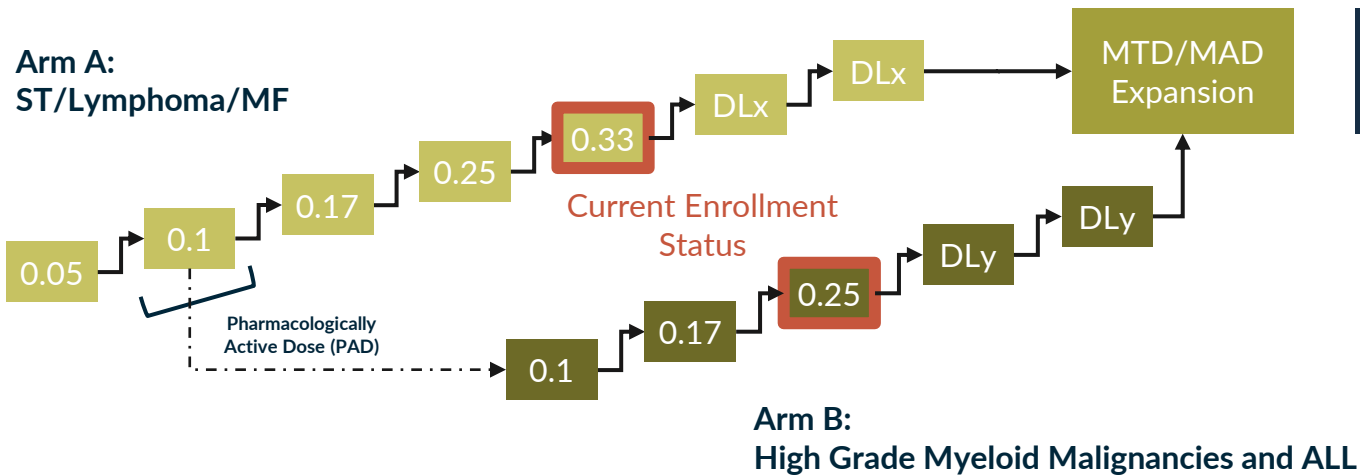
KT-253 Phase 1a: Study Design

Phase 1a

Arm A: R/R Lymphoma, Solid Tumors or Myelofibrosis (MF); Arm B: High Grade Myeloid Malignancies and ALL

Phase 1b
AML
R/R p53^{wt} AML

Regimen: Single Agent KT-253 mg/kg Intravenous (IV) Infusion Every 3 Weeks



Exploratory Expansion p53^{wt}
Solid Tumor
n=20

p53^{wt} R/R AML at
MTD/MAD
n = 20

p53^{wt} R/R AML at
Dose lower than MTD/MAD
n = 20

| Key Objectives | Phase 1a |
|--------------------|--|
| Primary | <ul style="list-style-type: none"> Safety, MTD and/or RP2D |
| Secondary | <ul style="list-style-type: none"> PK Preliminary Efficacy |
| Exploratory | <ul style="list-style-type: none"> PD |

Clinical Trial Status*

- Arm A: R/R Solid Tumors, Lymphomas and Myelofibrosis
16 patients enrolled across first 5 dose levels
- Arm B: R/R High-Grade Myeloid Malignancies/ALL
8 patients enrolled at first 3 dose levels

*As of April 9, 2024, data cut-off date.

KT-253 Safety Summary: Arm A DL1-5 and Arm B DL1-3

Data cut-off date of April 9, 2024

- KT-253 was well-tolerated with no neutropenia or thrombocytopenia typical of MDM2 small molecule inhibitors observed
- Most common AEs related to KT-253 observed in >15% patients (n=24), n (%):
 - Nausea 8 (33.3%)
 - Fatigue 6 (25%)
 - Decreased appetite 4 (16.7%)
- One DLT observed of AEs leading to discontinuation that included Grade 2 fatigue and arthralgia in Arm A DL4
- Arm A: KT-253 related SAEs included Grade 3 hypotension in one patient with decreased oral intake at DL1 and Grade 3 ventricular tachycardia leading to treatment discontinuation in one patient at DL3
- Arm B: No SAEs were observed

Responses Observed Across Multiple Tumor Types During Dose Escalation of KT-253

Data Cutoff Date of April 9, 2024

Clinical Responses

Best Overall Response by Arm

ARM A (n=13¹, n (%))

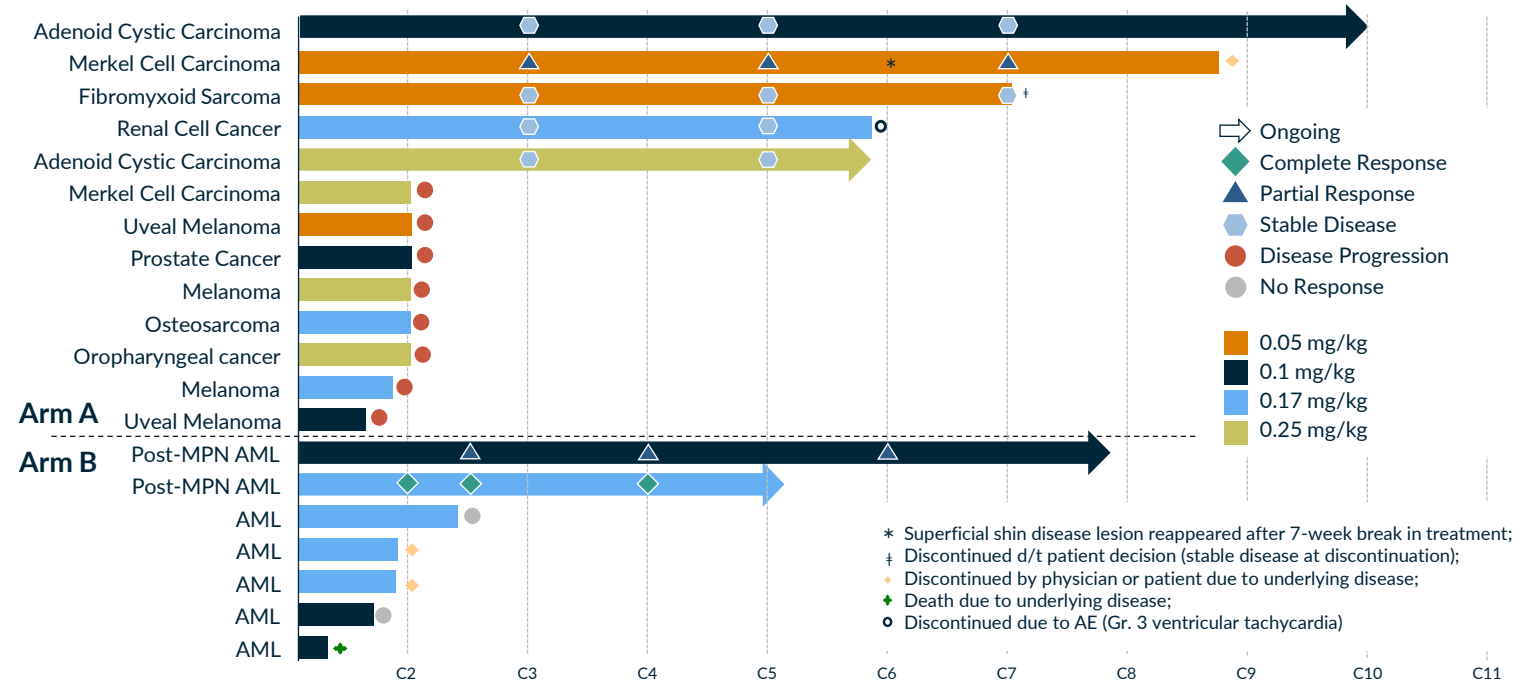
| | |
|---------------------|-----------------------|
| Complete Response | - |
| Partial Response | 1 ² (7.7) |
| Stable Disease | 4 ³ (30.8) |
| Progressive Disease | 8 ⁴ (60.2) |

ARM B (n=7¹, n (%))

| | |
|--------------------------------------|-----------------------|
| Complete Response | 1 ⁵ (14.3) |
| Partial Response | 1 ⁵ (14.3) |
| No Response | 2 (28.6) |
| Treatment Failure-Refractory Disease | - |
| Non-Evaluable | 3 ⁶ (42.9) |

¹Thirteen of the sixteen Arm A and seven of eight Arm B patients enrolled were evaluable for response assessment at the time of cut-off; ²MCC; ³Fibromyxoid sarcoma (n=1), adenoid cystic carcinoma (n=2); renal (n=1); ⁴Includes one patient with uveal melanoma assessed as clinical progression; ⁵Post-MPN AML; ⁶Off treatment from death due to underlying disease (n=1) or clinical deterioration (n=2) prior to first response assessment; Arm A responses assessed per RECIST 1.1; Arm B by ELN 2022

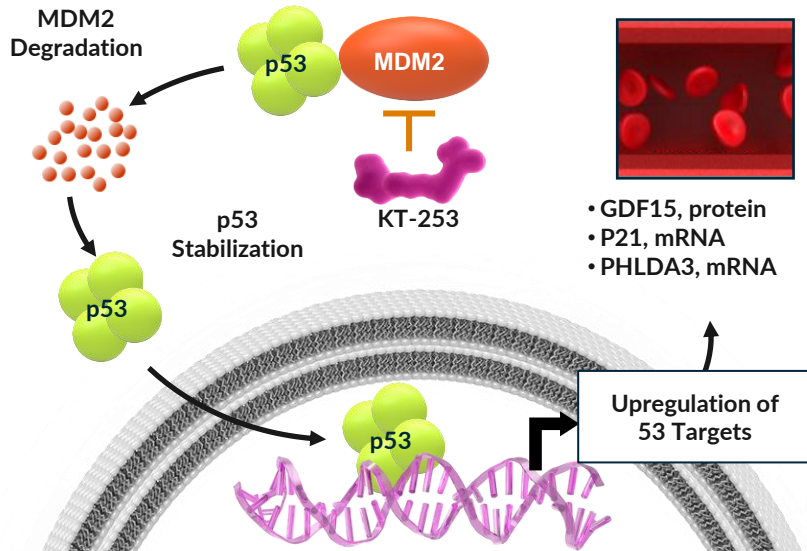
Duration of Time on Treatment – Disease Evaluable Patients



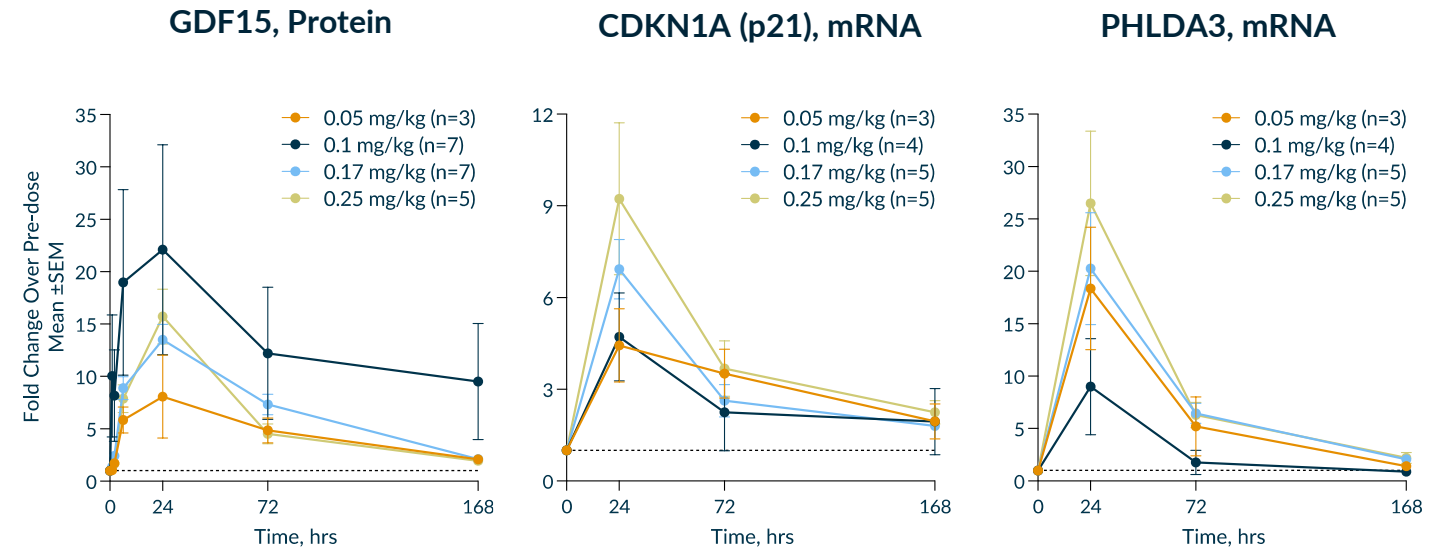
Preliminary signs of efficacy observed in both solid tumors and AML, with responses observed in Merkel Cell Cancer and in 2 of 2 Post-MPN AML patients

Potent Upregulation of p53 Biomarkers Shows Target Engagement by KT-253

Upregulation of PD Biomarkers by MDM2 Degradation-mediated p53 Pathway Activation



Rapid Upregulation of Plasma GDF-15 Protein and Upregulation of CDKN1A and PHLDA3 mRNA Levels in Blood



Fold-change over pre-dose baseline for Cycle 1. Pre-dose baseline indicated by dotted line

Strong proof-of-mechanism with evidence of target engagement and upregulation of p53 pathway biomarkers even at the lowest dose levels in solid tumor and AML patients*

MDM2 Degradator: KT-253

First-in-Class Opportunity to Address p53 Wild Type Tumors Across Variety of Tumors



Recent Clinical Data*

Phase 1a data from Arm A and Arm B show evidence of target engagement and p53 pathway activation

Antitumor responses observed in both solid and heme tumors including Merkel Cell Cancer and 2 of 2 post-MPN AML patients

Fidelity of translation of PK, PD, and safety

Phase 1a dose escalation ongoing

Significant Opportunity

Monotherapy opportunity in subsets of solid tumors

Biomarker-based patient selection strategy to be informed by emerging gene signature indicating sensitivity to degrader mechanism

Monotherapy and combination opportunities in hematological malignancies, including AML, ALL, and potentially MF, MDS, and other p53WT tumors

P1a Completion: 2024

Completion of Phase 1a dose escalation expected 2024

Clinical development strategy includes accelerated registration path in p53 WT tumors with high sensitivity to degrader mechanism such as AML, lymphomas and solid tumors

Additional clinical and preclinical data supporting biomarker-based patient selection strategy to be disclosed in 2024

Pipeline with Clear Line of Sight to Large Value Creation

| | Potential Indications | 2024 | 2025 | 2026+ | Upcoming Milestones | Rights |
|--|---|--------|-----------------------|------------------------|------------------------|------------------------------|
| Immunology - Oral QD Small Molecule Degraders | | | | | | |
| IRAK4 ¹ KT-474 | HS, AD, RA, Asthma, IBD, other ³ | HS Ph2 | ▲ HS Late Development | | Ph2 HS & AD Data: 1H25 | sanofi KYMERA 50/50 US |
| | | AD Ph2 | ▲ AD Late Development | | | |
| STAT6 KT-621 | AD, Asthma, COPD, PN CRSwNP, EoE | IND | Ph1 | ▲ Mid-Late Development | Ph1 Start: 2H24 | KYMERA |
| TYK2 KT-294 | Psoriasis, IBD, PsA, Lupus, other | IND | Ph1 | ▲ Mid-Late Development | Ph1 Start: 1H25 | KYMERA |

¹KT-474 (SAR444656) partnered with Sanofi, with Kymera option to participate in the development and commercialization, and 50/50 profit split, in the United States. Double digit tiered royalties in ROW

Oncology

| | | | | | | |
|------------------------------|--------------------------------------|-----|------------------------|--|----------------|--------|
| STAT3 ² KT-333 | cHL, PTCL, LGL-L, CTCL, Solid Tumors | Ph1 | ▲ Mid-Late Development | | Ph1 Data: 2H24 | KYMERA |
| MDM2 KT-253 | Liquid & Solid Tumors | Ph1 | ▲ Mid-Late Development | | Ph1 Data: 2H24 | KYMERA |

²Assessment of STAT3 I/I opportunity is ongoing

▲ = key data readout

³Current indications: HS and AD. Other diseases shown, where IL-1R/TLR pathway has been implicated in pathogenesis, are additional potential opportunities



2024 PRIORITIES

- Completion of enrollment in oral IRAK4 degrader KT-474 Phase 2 trials in HS and AD by partner Sanofi (topline data 1H 2025)
- Initiation of oral STAT6 degrader KT-621 Phase 1
- IND ready for oral TYK2 degrader KT-294
- Additional oncology proof-of-concept data for the STAT3 degrader KT-333 and MDM2 degrader KT-253

For additional information contact:

investors@kymeratx.com

media@kymeratx.com

inquiries@kymeratx.com

KYMER A THERAPEUTICS

500 North Beacon Street, 4th Floor
Watertown, MA 02472

Thank You

NASDAQ: KYMR

www.kymeratx.com

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The logo for Kymera Therapeutics, featuring a stylized 'K' icon followed by the word 'KYMERA' in a bold, sans-serif font.