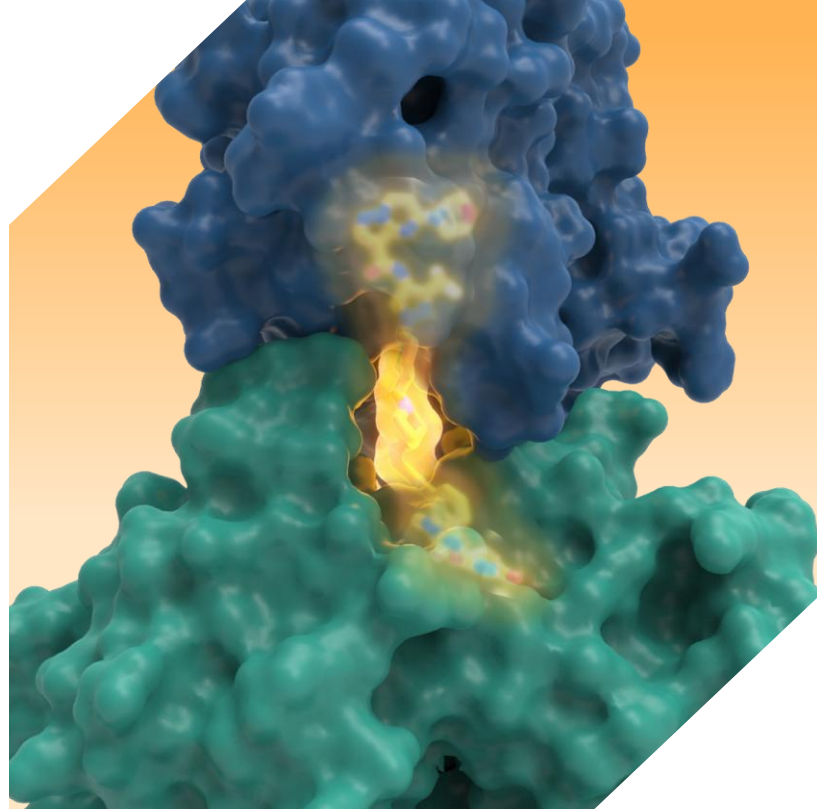




May 9, 2025

KYMER A

Oral Medicines with Biologics-like Activity

Immunology Innovation Day

Agenda

Kymera's Immunology Strategy

Nello Mainolfi, PhD, Founder, President and Chief Executive Officer

STAT6 (KT-621) Update

Jared Gollob, MD, Chief Medical Officer

IRF5 (KT-579): Drugging a Genetically Validated Target

Veronica Campbell, Senior Director, Immunology

Question and Answer Session

Forward Looking Statements

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and other federal securities laws. These statements include, but are not limited to, implied and express statements about our strategy, business plans and objectives for our programs; plans and timelines for the preclinical and clinical development of our product candidates, including the therapeutic potential, clinical benefits and safety profiles of such product candidates; expectations regarding timing, success and data announcements of ongoing preclinical studies and clinical trials; our ability to initiate new clinical programs, including plans to submit investigational new drug (IND) applications; our ability to deliver additional investigational drugs into the clinic by 2026; the initiation, timing, progress and results of our current and future preclinical studies and clinical trials of our current and prospective product candidates; our plans to develop and commercialize our current and any future product candidates and the implementation of our business model and strategic plans for our business, current; any future product candidates; and our financial condition and expected cash runway into the first half of 2028. All statements other than statements of historical facts contained in this presentation, including express or implied statements regarding our strategy, future financial condition, future operations, projected costs, prospects, plans, objectives of management and expected market growth, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “anticipate,” “upcoming,” “assume,” “believe,” “could,” “estimate,” “expect,” “goal,” “intend,” “may,” “milestones,” “objective,” “plan,” “predict,” “potential,” “seek,” “should,” “target,” “will,” “would” and other similar expressions that are predictions of or indicate future events and future trends, or the negative of these terms or other comparable terminology. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. You should not rely upon forward-looking statements as predictions of future events and actual results or events could differ materially from the plans, intentions and expectations disclosed herein.

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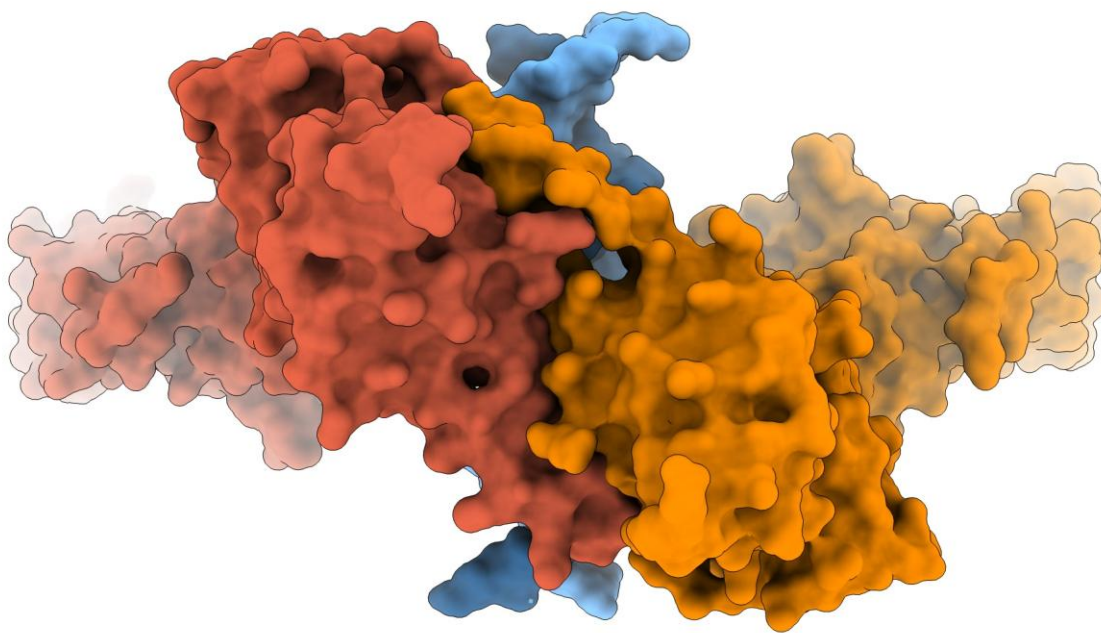
Kymera's Immunology Strategy

Nello Mainolfi, PhD
Founder, President and CEO

Revolutionizing Immunology: Oral Drugs with Biologics-Like Efficacy

Science-driven Clinical Stage Organization with Industry-leading Oral Immunology Pipeline

- Targeted Protein Degradation (TPD) leader
- Best-in-industry capabilities in hit finding and optimization of oral degraders
- Unique target selection strategy pursuing traditionally undrugged targets in highly validated pathways
- Portfolio poised to disrupt conventional treatment paradigms



By combining the “right target” with the disruptive potential of TPD, Kymera is delivering oral therapies with biologics-like profiles for the first time in industry with the potential to expand access to millions of patients around the world

Clear Vision and History of Strong Execution

VISION



- Reinventing the treatment of human disease **as a fully integrated commercial global biotech**
 - Building a world-class immunology development team to execute on large Phase 2/3 trials
 - **\$775M** of cash and equivalents on hand, providing a runway into the first half of 2028

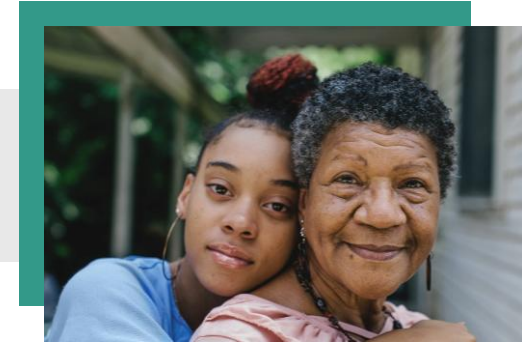
EXECUTION



- Delivered **5 new investigational degrader drugs into the clinic since 2020**, and on path to deliver a total of **10 by 2026**



IMPACT

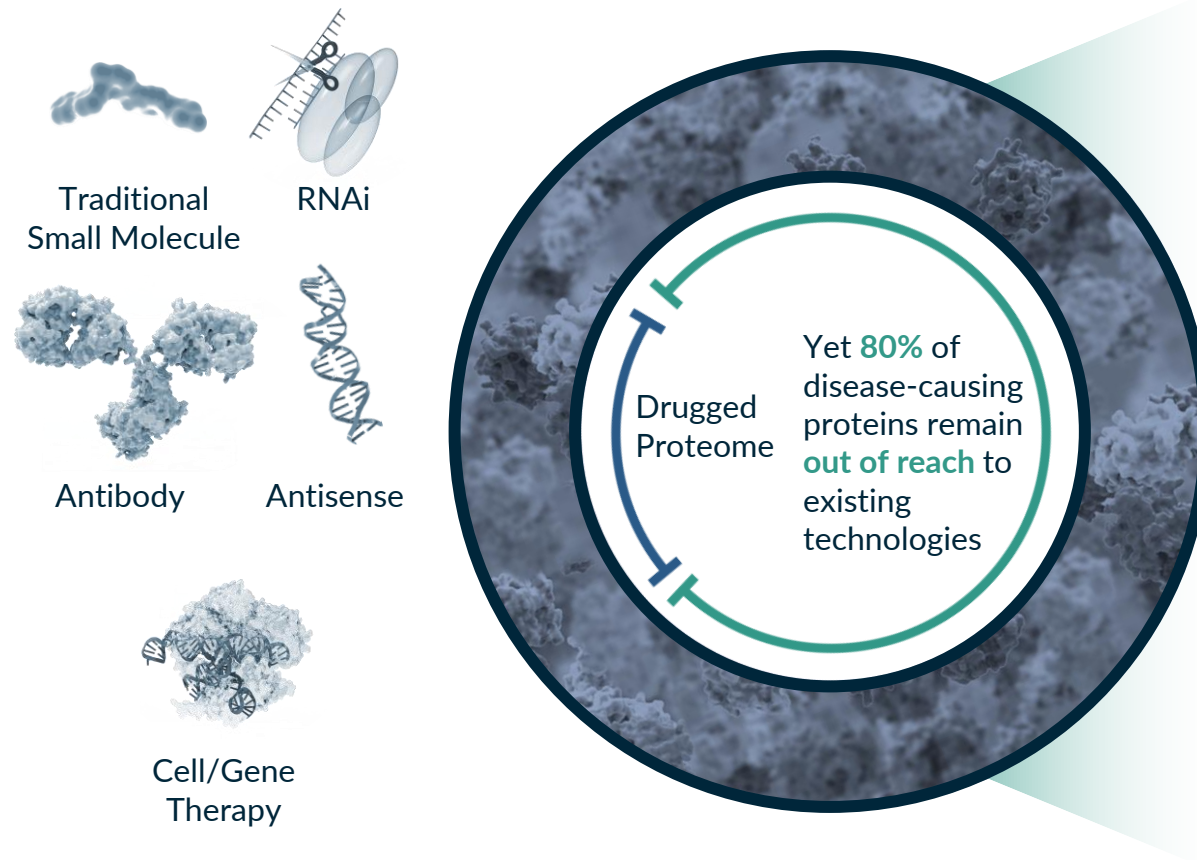


- Dosed **>300 healthy volunteers/patients** to date across clinical pipeline
- Demonstrated excellent fidelity of translation from preclinical to clinical studies:
 - **>90% target degradation in all programs**
 - **Desired safety and efficacy profiles**

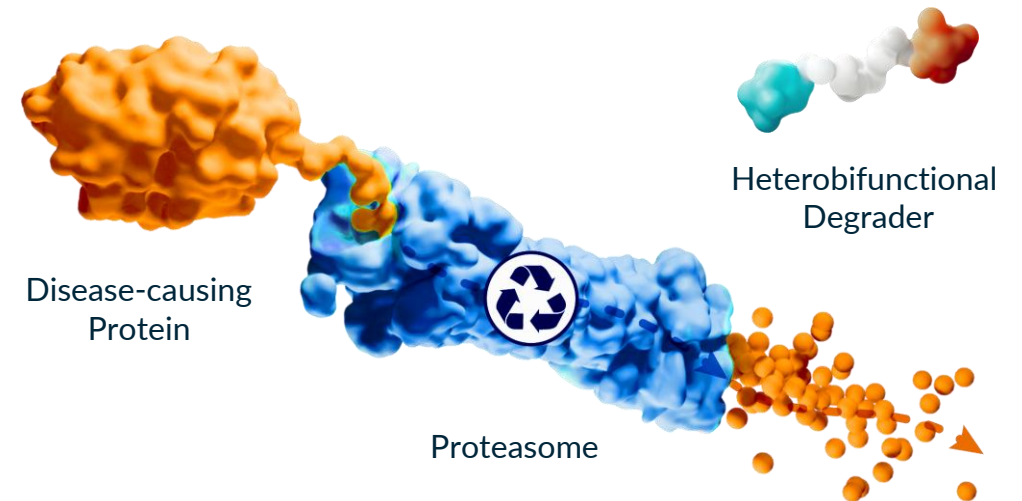
Targeted Protein Degradation

New Modality Expanding the Range of Treatable Disease

Existing modalities have limitations that restrict their application leaving millions of patients without adequate treatment options.



Targeted Protein Degradation can unlock the undrugged proteome



- Small molecule-based modality with gene silencing power
- Not limited by target or delivery to specific tissue/organ type; disease agnostic
- Oral dosing with broad tissue distribution
- Efficient development/manufacturing
- **Validated across multiple FDA-approved drugs with >\$17 billion in combined peak WW sales¹**

¹Combined peak WW sales of FDA-approved degrader-based therapies (GlobalData)

Immunology: A Large, Underserved Market

~160M Total Patients Across Key Immunologic Diseases¹

>\$100B

- ~5M patients (3% of total diagnosed) are on systemic advanced therapies with >\$100B in annual sales for key I/I indications²
- 2/3 of those therapies are injectable biologics

Advanced Therapies: ~5M (3%)

Non-Advanced Therapies:
~90M (58%)

Untreated
~62M (39%)

>\$500B?

- ~ 97% of the diseased population does not have access to advanced therapies
- Enormous untapped market potential

Oral Degradable with Biologics-Like Profiles Can Disrupt the Immunology Market



- Displace injectable biologics
- Offer a convenient highly effective advanced therapy to the 97% unserved and underserved patients

¹Diagnosed prevalent patient population for US/EU5/JP (GlobalData; 2023); key immunologic diseases includes AD, Asthma, COPD, HS, MS, PsO, PsA, RA, SLI, UC, CD; ²Market Forecasts for US/EU5/JP (GlobalData; 2023)

Small Molecule Oral Degraders Can Transform Immunology

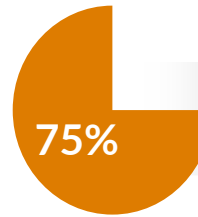
Potentially Superior Profile to Injectable Biologics and Traditional Small Molecule Inhibitors

Biologics can have several limitations, making orals preferred by most patients

DUPIXENT[®]
(dupilumab) Injection

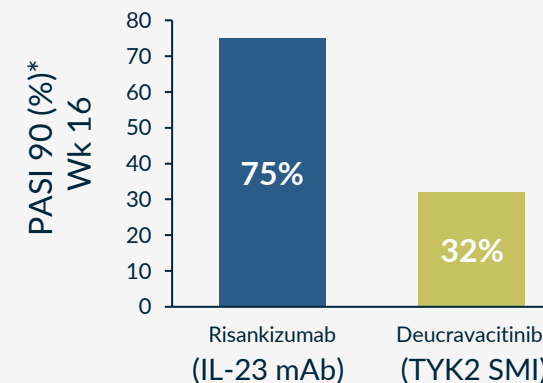
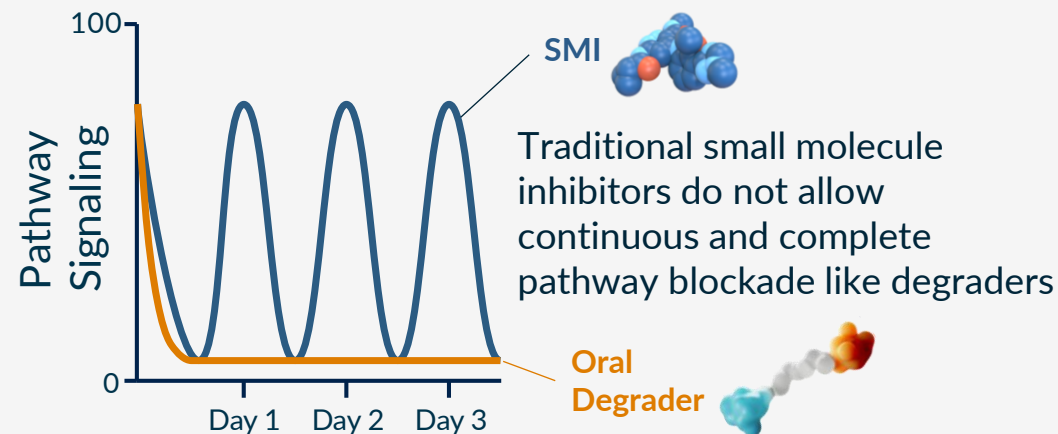
Skyrizi[®]
risankizumab-rzaa

- Expensive, challenging to prescribe/reimburse
- Immunogenicity
- Cold storage
- Inconvenient and/or painful route of administration for patients



In industry surveys¹, **75%** of patients would switch from injectable biologics to oral with similar profile

Traditional SMI's insufficiently block pathways, which can limit efficacy

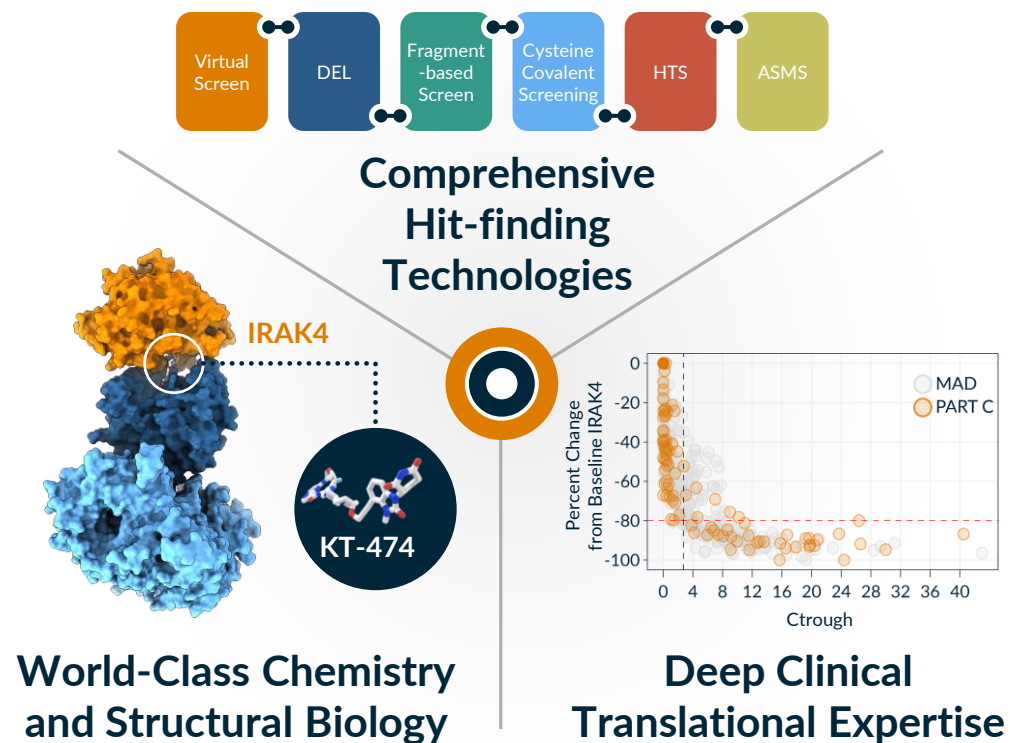


Anti IL-23 biologic dramatically more effective than TYK2 SMI in PsO²

Kymera, Industry Leader at Developing Oral Degradable Drugs

Established Drug Discovery Engine to Address Historically Undrugged/Inadequately Drugged Proteins

Key Capabilities

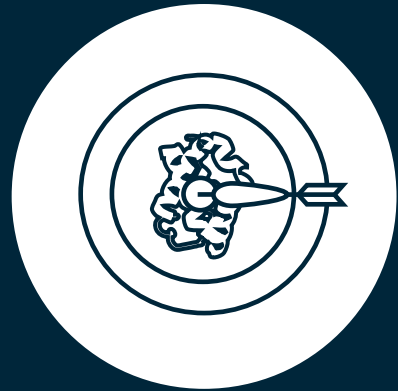


Proven Results

- **Productivity**
Kymera has delivered >9 development candidates, including 4 transcription factors in past 5 years
- **Drug Properties**
Highly potent degraders (sub-nanomolar) with refined drug-like properties (orally bioavailable with systemic distribution to all target tissues)
- **Translation**
Comprehensive understanding of PK/PD, resulting in impeccable translation of our pipeline into the clinic across programs

Reproducible and scalable innovation for high value immunology targets

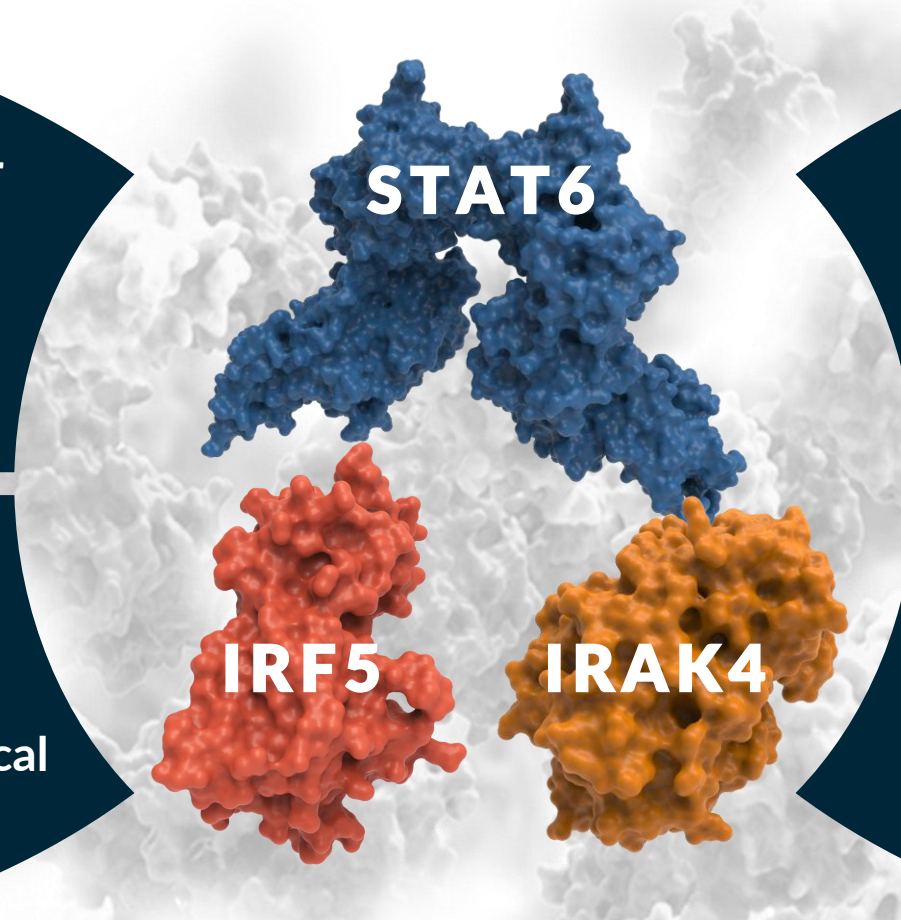
Unique Target Selection Strategy Drives Best-In-Class Pipeline



Undrugged or
inadequately
drugged
targets



Strong
genetic/clinical
validation



Clear path to
early clinical
differentiation



Large clinical/
commercial
opportunities

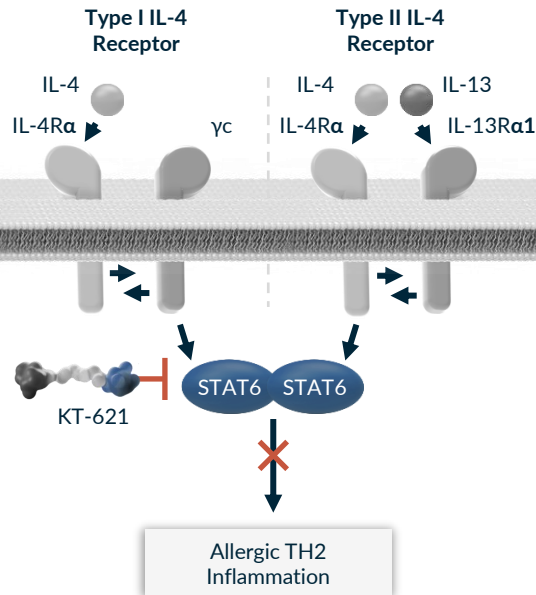


**FOCUS ON FIRST- AND
BEST-IN-CLASS OPPORTUNITIES**

Complementary First-in-Class Mechanisms in Highly Validated Pathways

STAT6 TRANSCRIPTION FACTOR

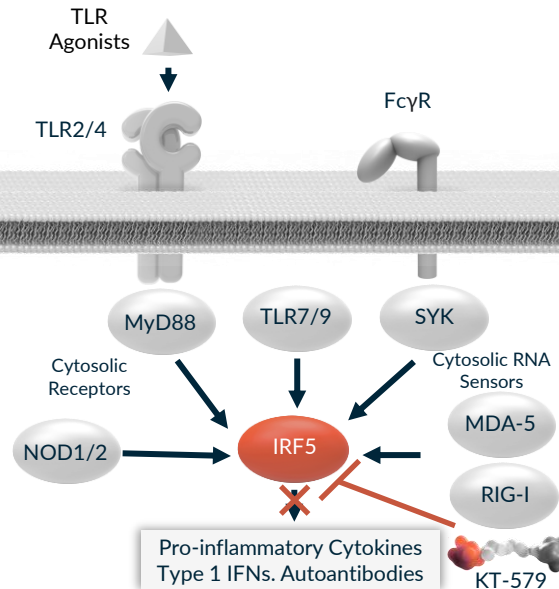
IL-4/13 Pathway



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

IRF5 TRANSCRIPTION FACTOR

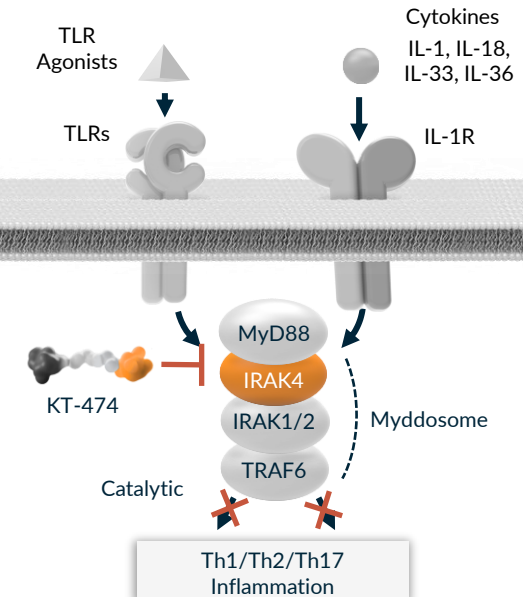
Type I IFN, cytokines (TNFα, IL-6, IL-12/23) and autoantibodies



IRF5 is a genetically validated transcription factor and a master regulator of immunity

IRAK4 SCAFFOLDING KINASE

IL-1R/TLR Pathway



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

Addressing Major Immunology Indications

Orals with Biologics-Like Activity to Transform Immunology

Immune Classes & Indications	Dermatology					Respiratory			GI		Rheumatology				
	AD	HS	CSU	PN	BP	Asthma	COPD	CRSwNP	IBD	EoE	RA	SLE	SSc	Sjögren's	DM
STAT6 KT-621															
IRF5 KT-579															
IRAK4 KT-474 ¹															

Synergies and know-how across key immunological pathways creates multiple development and combination opportunities and positions Kymera to expand access to systemic advanced therapies for broad patient populations

AD: atopic dermatitis; HS: hidradenitis suppurativa; CSU: chronic spontaneous urticaria; PN: prurigo nodularis; BP: bullous pemphigoid; COPD: chronic obstructive pulmonary disease; CRSwNP: chronic rhinosinusitis with nasal polyps; IBD: inflammatory bowel disease; EoE: eosinophilic esophagitis; UC: ulcerative colitis; CD: Crohn's disease; RA: rheumatoid arthritis; SLE: systemic lupus erythematosus; SSc: systemic sclerosis; DM: dermatomyositis;

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

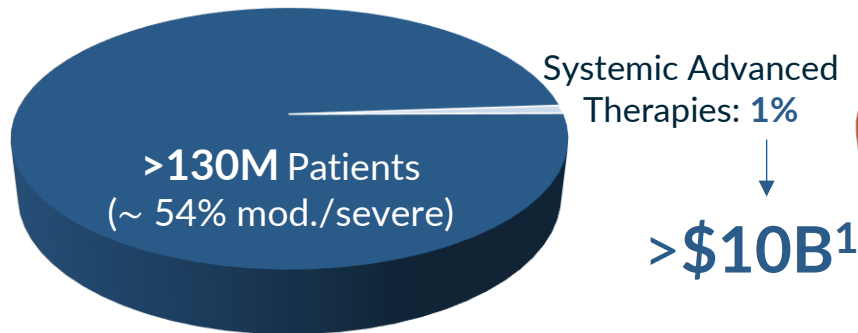
Oral Degraders with Biologics-like Efficacy Can Transform Immunology

Existing Therapies Address 10% or Less of Diagnosed Patients¹

STAT6

TRANSCRIPTION FACTOR

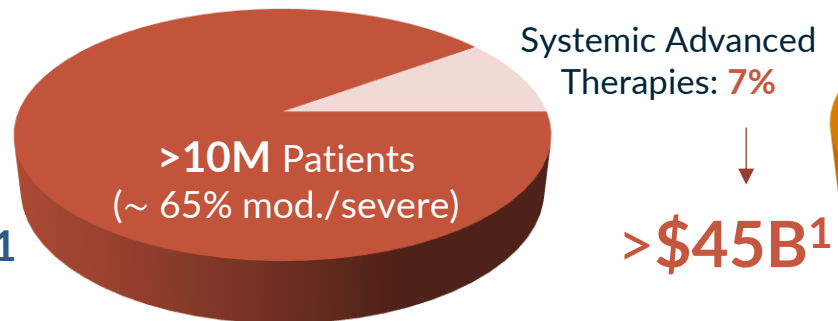
Key Indications: AD, Asthma, COPD, CRSwNP, EoE, CSU, PN



IRF5

TRANSCRIPTION FACTOR

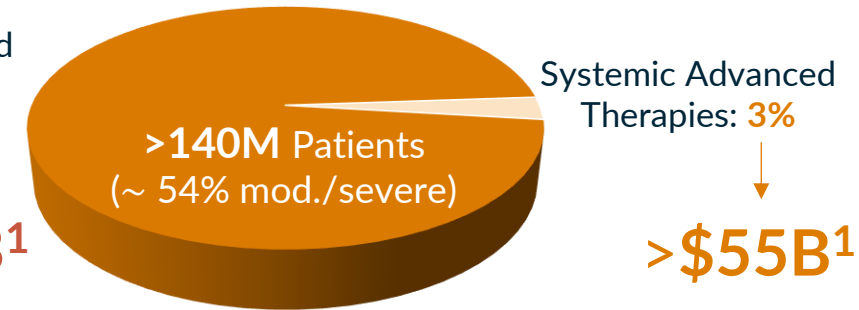
Key Indications: SLE, RA, UC, CD, Sjögrens, SSc, DM



IRAK4

SCAFFOLDING KINASE

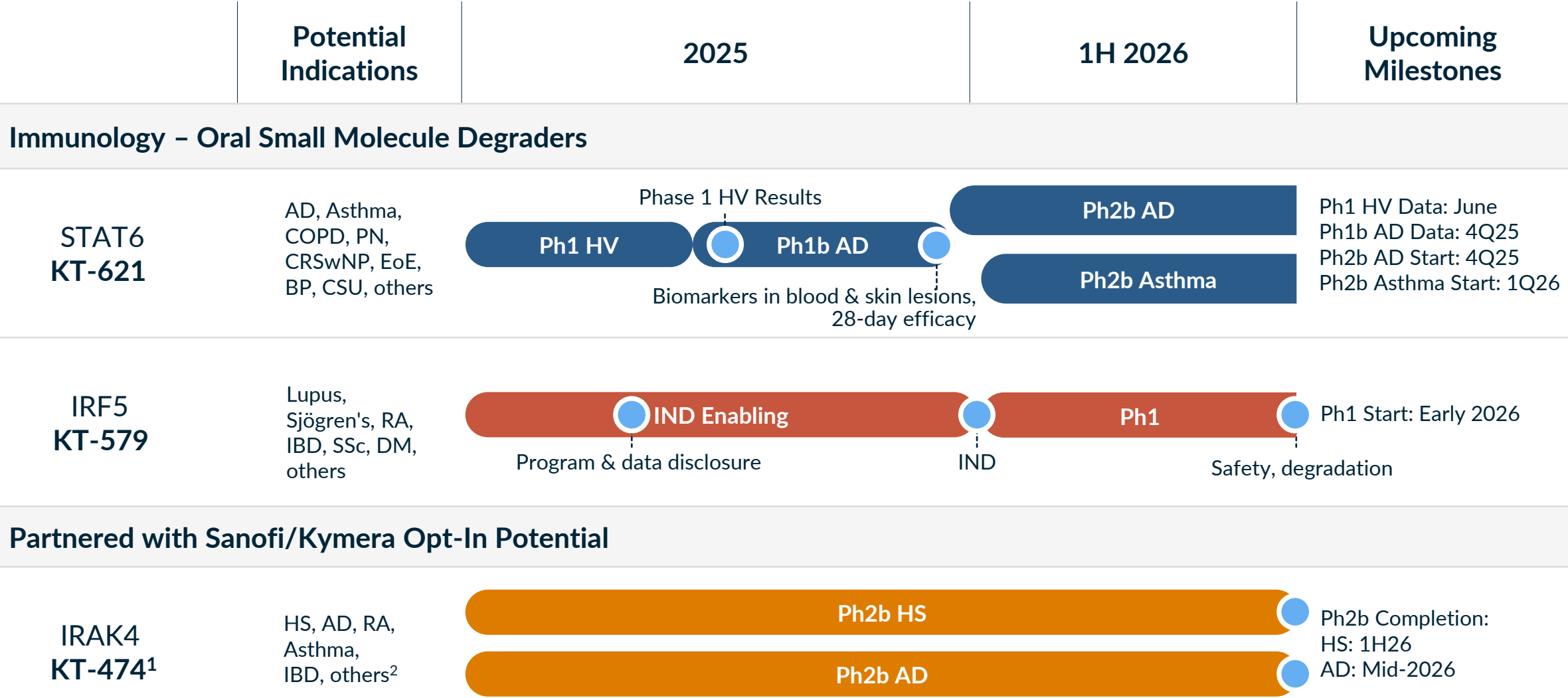
Key Indications²: HS, AD, Asthma, COPD, RA, SLE, UC, CD



¹GlobalData (2023 diagnosed prevalent patient population and forecasted sales for approved systemic advanced therapies in US/EU5/JP
STAT6 estimates include only AD, Asthma, COPD; IRF5 estimates include only SLE, RA, UC, CD; IRAK4 estimates include all noted indications).

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

Pipeline with Clear Line of Sight to Large Value Creation



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.

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STAT6 (KT-621): Dupilumab-like Activity in a Pill

Jared Gollob, MD
Chief Medical Officer

STAT6 Degradar: Opportunity for Dupilumab-Like Activity in a Pill

Highly Validated but Undrugged Target

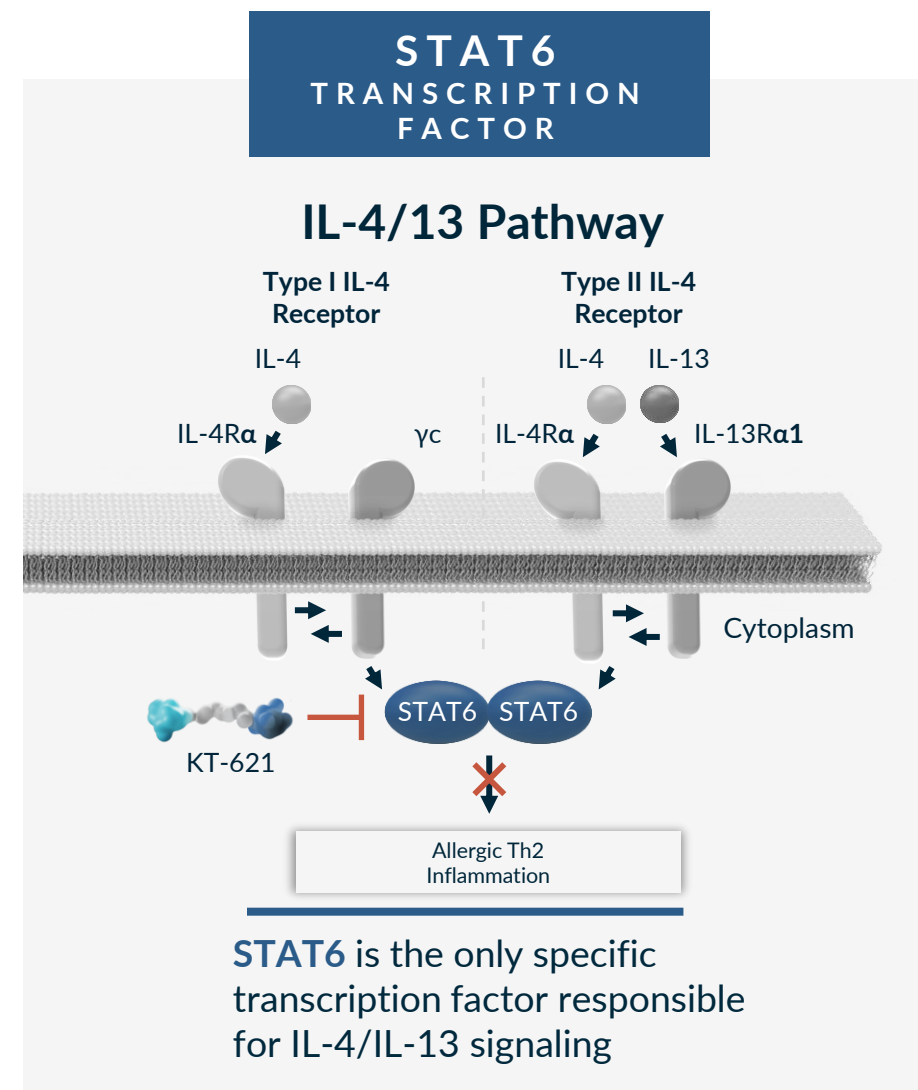
- IL-4/IL-13 pathway highly validated by dupilumab (IL-4R α mAb): approved in 7 Th2 allergic indications, >\$15B of yearly sales
- STAT6 is the specific transcription factor for IL-4/IL-13 signaling
- **STAT6 targeting should phenocopy IL-4/IL-13 targeting**
- Human **gain-of-function of STAT6** causes severe allergic disease¹
- Human heterozygous **LOF** are **healthy** and protected against Th2 inflammation²
- STAT6 KO mice develop normally, are viable and fertile

Clear Degradar Advantage

- **Only STAT6 degradation** has the potential to fully block IL-4/IL-13 signaling with an oral daily drug

Access Large Patient Populations

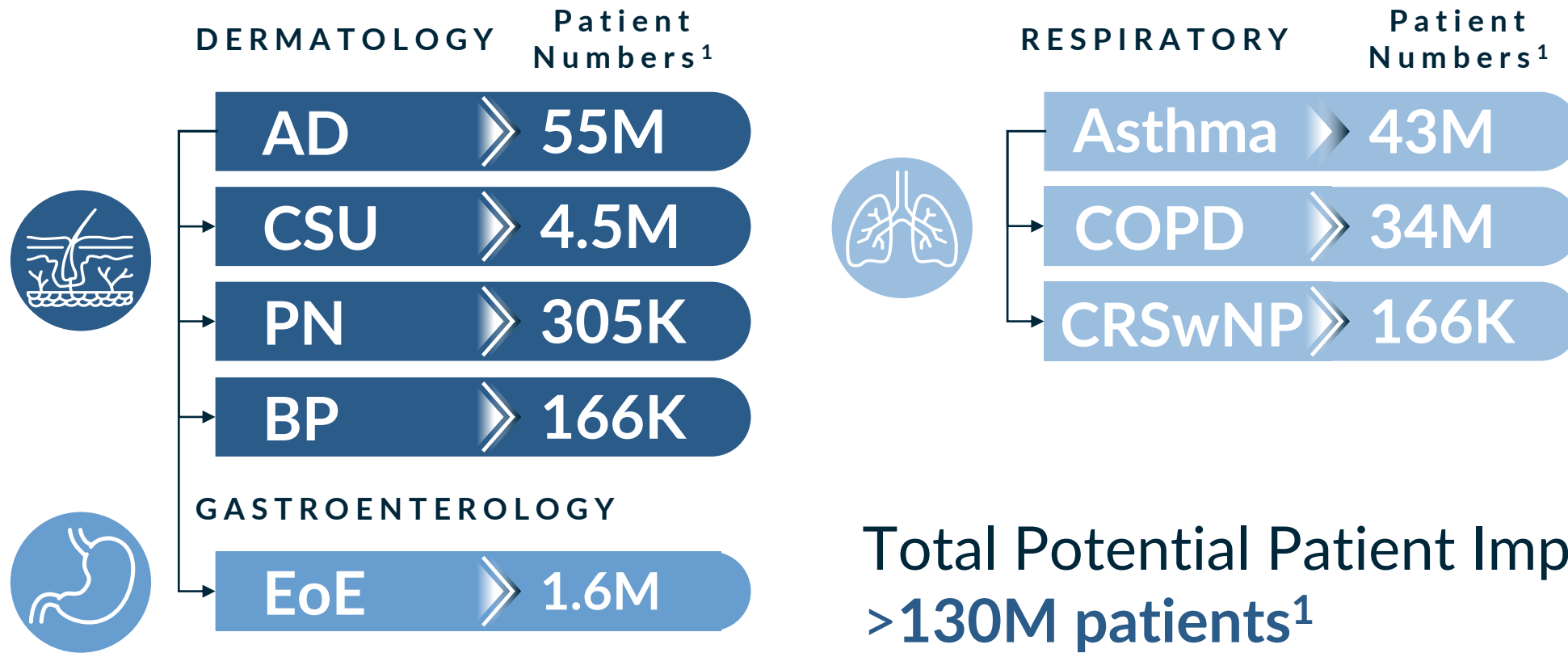
- Dupilumab indications include AD, Asthma, COPD, CRSwNP, CSU, EoE, PN
- Mega-blockbuster potential for a safe and active oral drug



¹Sharma et al. *J Exp Med.* 2023; Suratannon et al. *J Allergy Clin. Immunol.* 2022; Takeuchi et al. *J Allergy Clin Immunol.* 2022

²Kristjansdottir et al. *Journal of Allergy and Clinical Immunology.* 2024

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



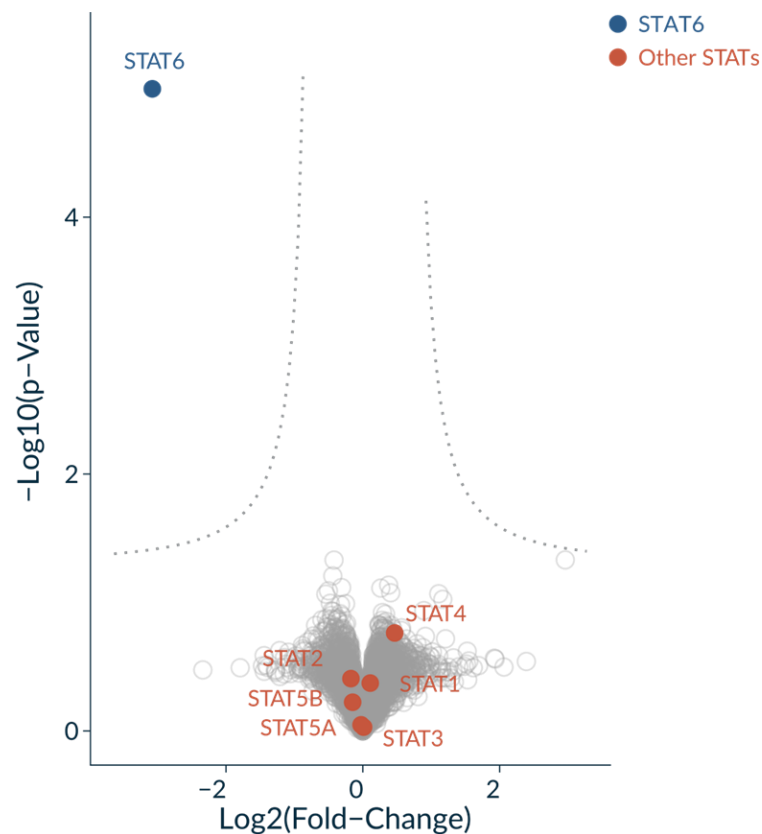
Numerous indications/therapeutic areas that are de-risked by dupilumab create a unique opportunity for KT-621 to reach broad patient populations

¹GlobalData (2023 diagnosed prevalent patient population in US/EU5/JP; Total Patient Impact estimate includes only AD, Asthma, COPD)

KT-621: Kymera's First-in-Class STAT6 Degradator

Excellent Degradation Potency and Selectivity

Complete STAT6 Degradation Selectivity
in Human PBMC Proteasome at 100 x DC₉₀



Picomolar Potency and Consistent Degradation
Across all Disease-Relevant Cell Types Evaluated

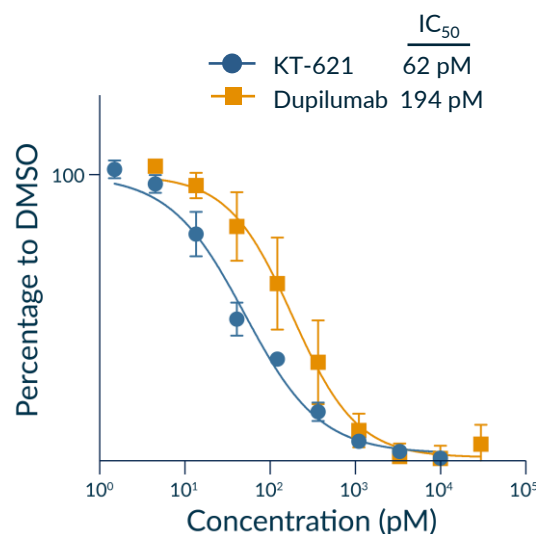
Human Primary Cell Type		KT-621, DC ₅₀ (pM)
Hematopoietic cell (all Th2 diseases)		
Blood 	Human PBMC	13
	Human CD3 T cell	36
	Human CD14 monocyte	60
	Human CD19 B cell	86
	Human eosinophil	99
Epithelial cell (AD, CSU, asthma, COPD)		
Skin 	Human keratinocyte (adult)	22
	Human keratinocyte (neonatal)	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
Endothelial cell (all Th2 diseases)		
Blood Vessels 	Human vascular endothelial cell	46
Neuron (AD, PN, CSU)		
Neurons 	Human iPSC derived sensory neuron	22

KT-621 Has Preclinical Activity Comparable or Superior to Dupilumab

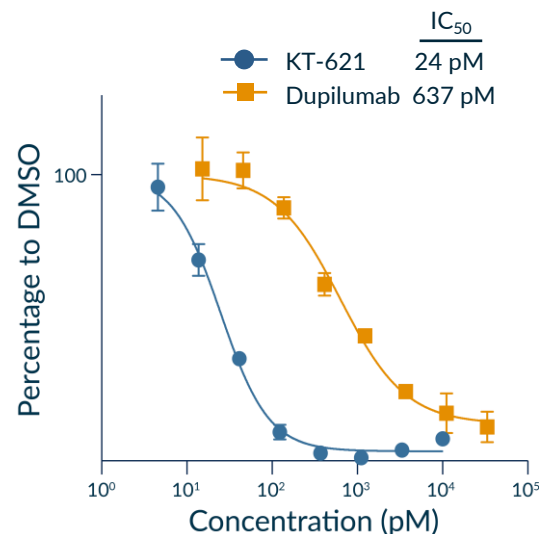
KT-621 Fully Blocks IL-4/13 Pathway
in Human Th2 Functional Assays
with IC₅₀'s Lower than Dupilumab

KT-621 Blocks Th2 Inflammation *in Vivo*
Equal to/Better than a Saturating Dose
of Dupilumab in Mouse HDM Asthma Model¹

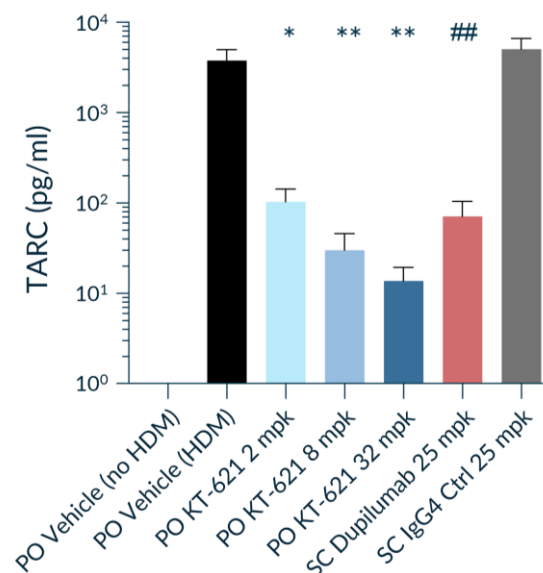
IL-4 Induced TARC Release
in Human PBMC



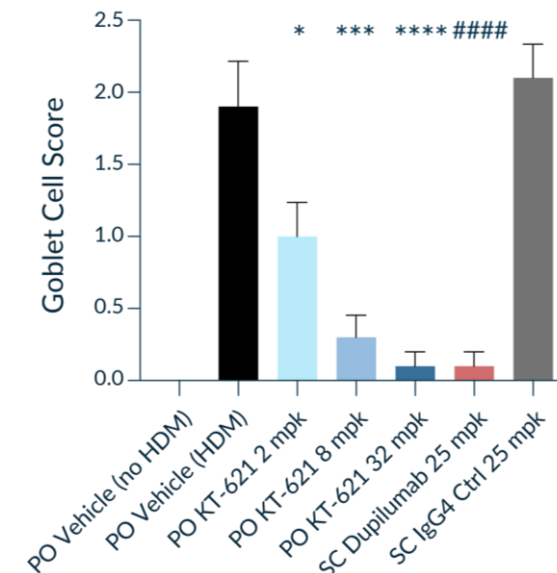
IL-13 Induced Periostin
Release in Human Bronchial
Smooth Muscle Cells



TARC (CCL17)
Reduction in Lungs



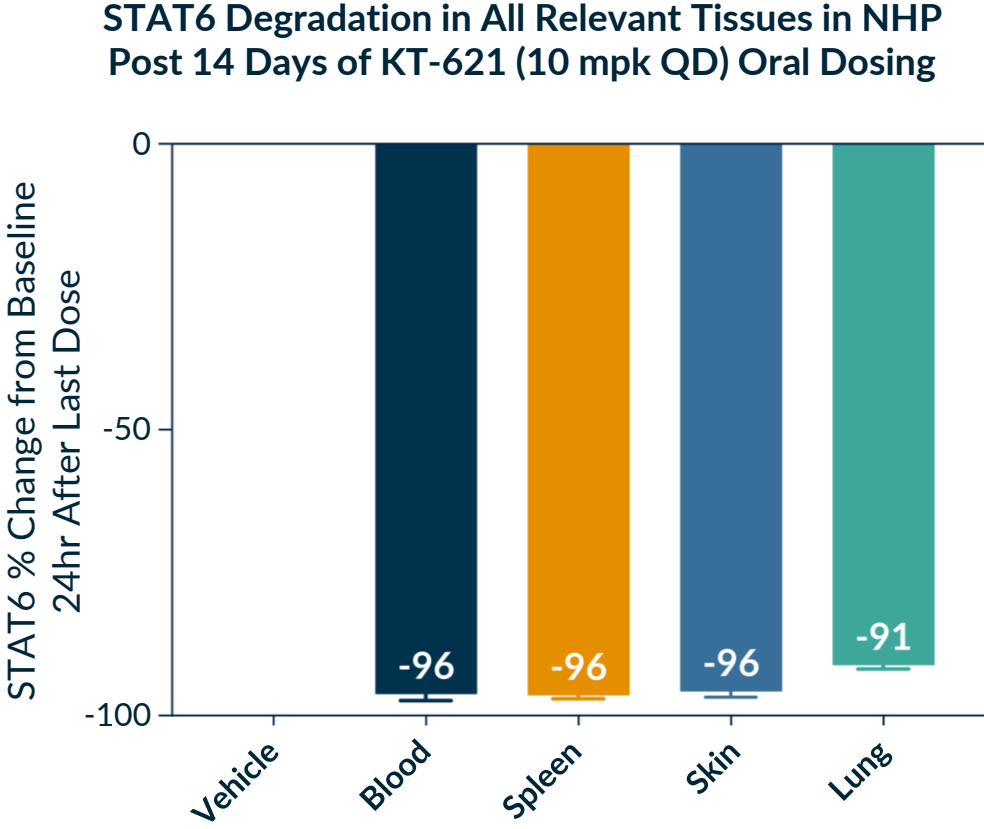
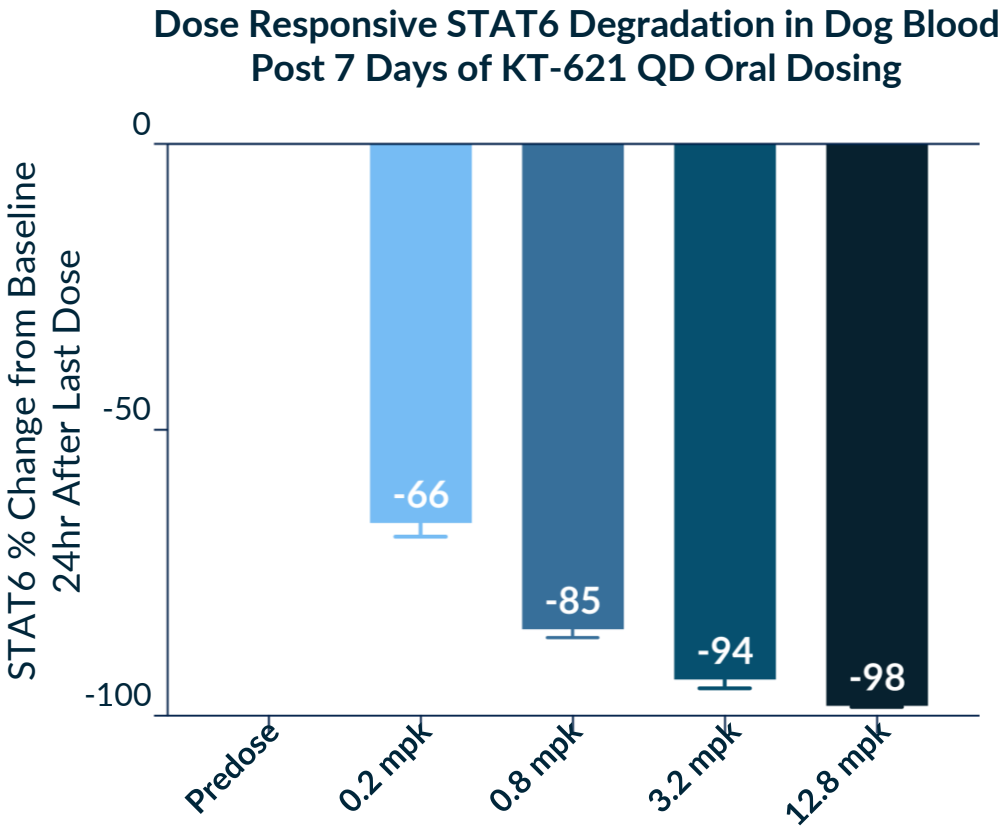
Reduction in Lung
Goblet Cell Metaplasia



2/8/32 mpk doses showed 72/85/91% STAT6
degradation respectively in mouse spleen

¹A 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.

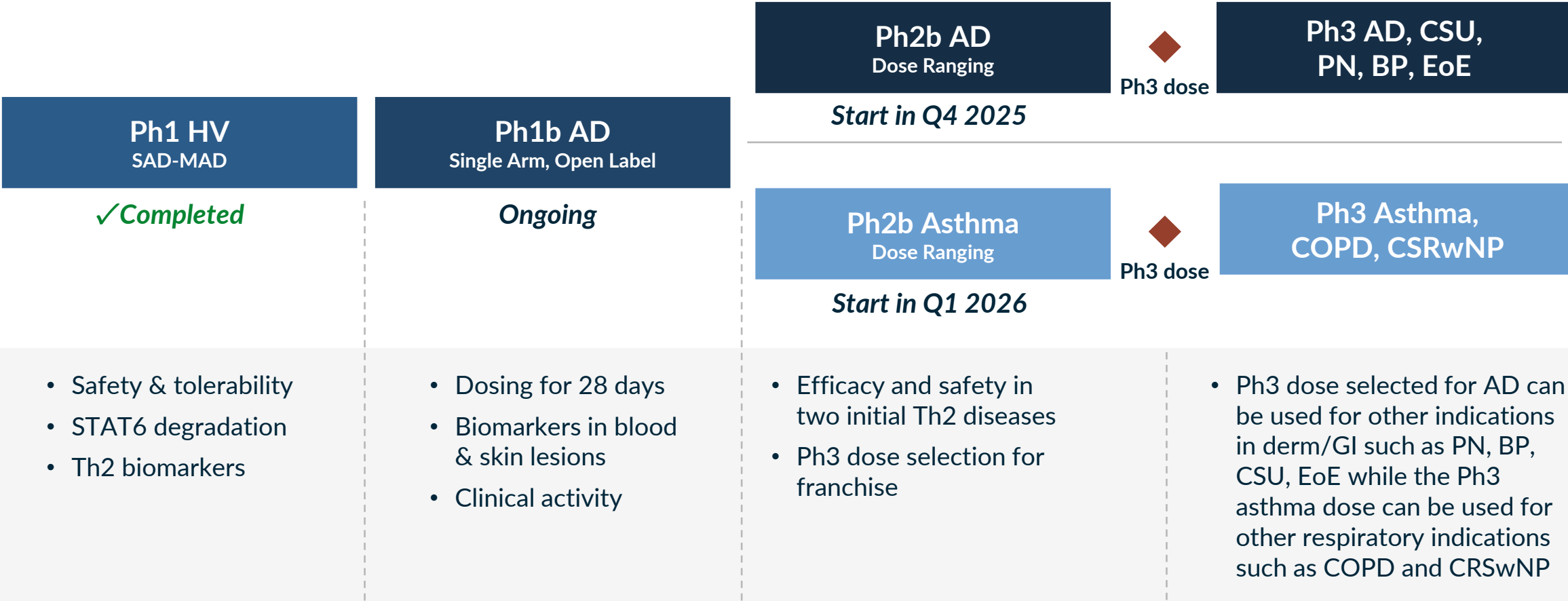
KT-621 Degrades STAT6 at Low Oral Doses in All Relevant Tissues



No adverse safety findings in any doses of 4-week GLP tox studies in NHP and rodents

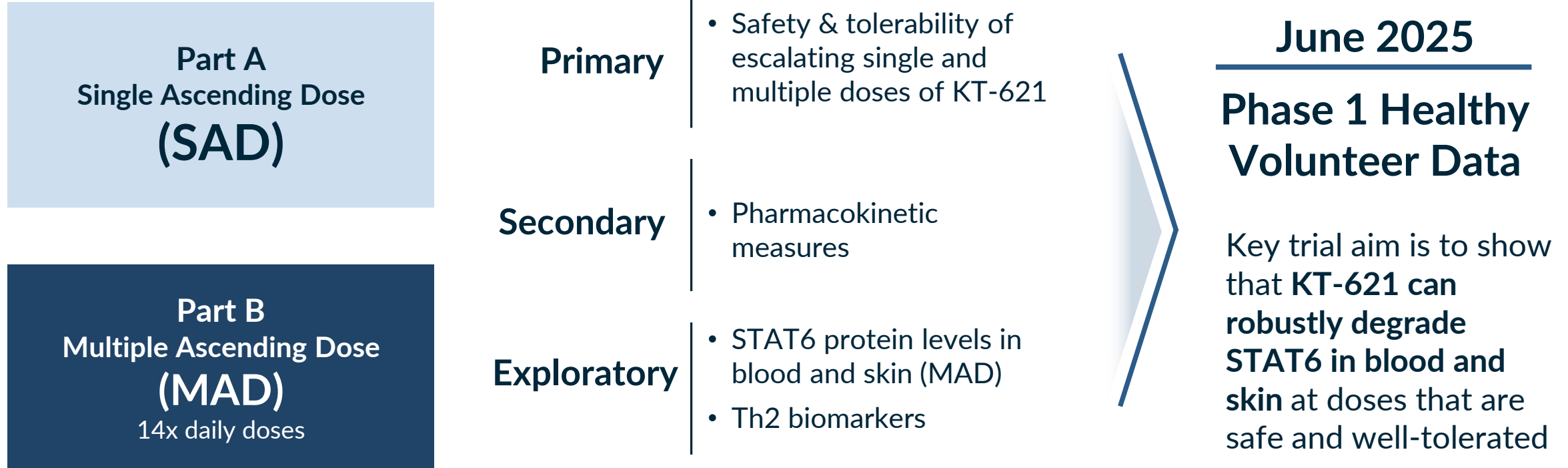
KT-621 Development Plan Enables Efficient Path to Registration Across all Th2 Diseases

Initial Parallel Phase 2b Trials in Moderate/Severe Atopic Dermatitis (AD) and Asthma are Expected to Support Subsequent Phase 3 Trials Across Multiple Dermatology, GI and Respiratory Indications



KT-621: Phase 1a Trial

Double-blind, Placebo-controlled SAD and MAD in Healthy Volunteers



Phase 1 HV SAD/MAD complete. Data presentation in June

KT-621: BroADen Phase 1b Trial

Single Arm, Open Label in Atopic Dermatitis Patients

Adult, Moderate to Severe AD Patients

Baseline entry criteria:

EASI ≥ 16 ;

IGA ≥ 3 ;

Pruritus NRS ≥ 4 ;

BSA $\geq 10\%$;

Documented TCS failure for AD

Design

- Single arm, open label
- ~20 patients
- Daily dose for 28 days; 14-day safety follow-up

Dosing

- Single dose selected based on Phase 1 HV data

Endpoints

- Safety, PK, STAT6 degradation, Th2 biomarkers in blood and skin lesions, clinical activity (EASI, pruritus, IGA)

4Q 2025

Phase 1b AD Patient Data

Key trial aim:

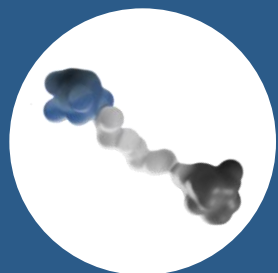
Demonstrate that **KT-621** has a dupilumab-like biomarker signature in blood and skin lesions

Status update:

First Patient dosed in April; recruitment ongoing. Data expected in 4Q 2025

KT-621 Summary

Dupilumab-like Activity in a Pill



KT-621 is the **first highly selective and potent STAT6 degrader** in the clinic

- In preclinical *in vitro* and *in vivo* studies, it is equal or superior to dupilumab
- STAT6 degradation was well-tolerated in multiple preclinical safety studies at >40x efficacious concentration

OPPORTUNITY

- **Over 130M¹** potential patient impact; only ~1% has access to advanced systemic therapies
 - Market projected to **reach \$23B+** w/new indications/entrants¹
 - An **oral pill with dupi-like efficacy** can transform the treatment paradigm of Th2 diseases
-▶ **Potential to access patients beyond biologics-eligible, across all disease severities and ages**

STATUS

- Phase 1 SAD/MAD HV completed
- Phase 1b AD patient study enrolling patients

UPCOMING MILESTONES

- Phase 1 SAD/MAD HV data: June 2025
- Phase 1b AD patient data: 4Q 2025
- Phase 2b expected trial initiations:
AD - 4Q 2025
Asthma - 1Q 2026

¹GlobalData (2023 diagnosed prevalent patient population and forecasted sales of systemic advanced therapies for AD, Asthma, and COPD only in US/EU5/Jp)

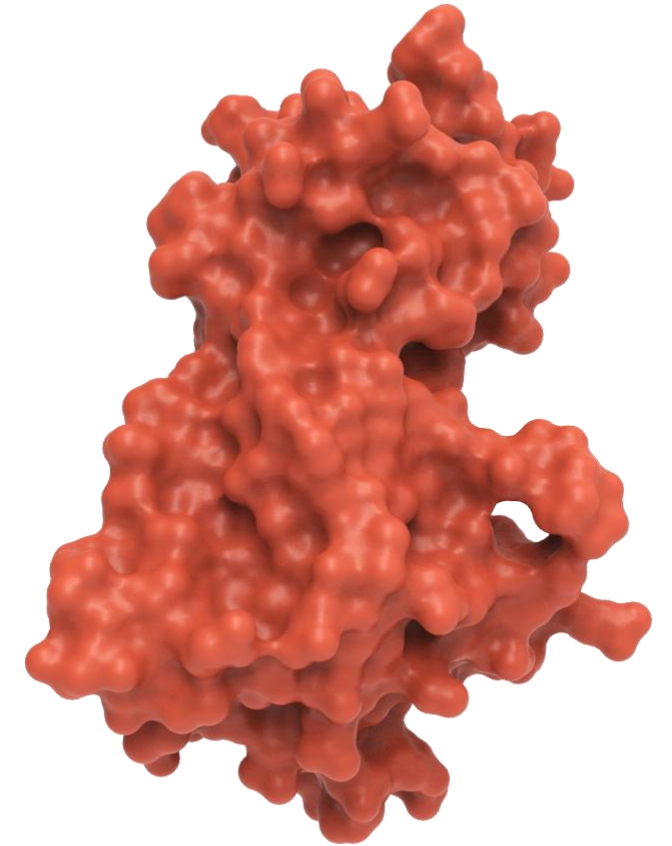


IRF5 (KT-579): Drugging a Genetically Validated Transcription Factor with an Oral Degradator

Veronica Campbell
Senior Director, Immunology

IRF5: Agenda

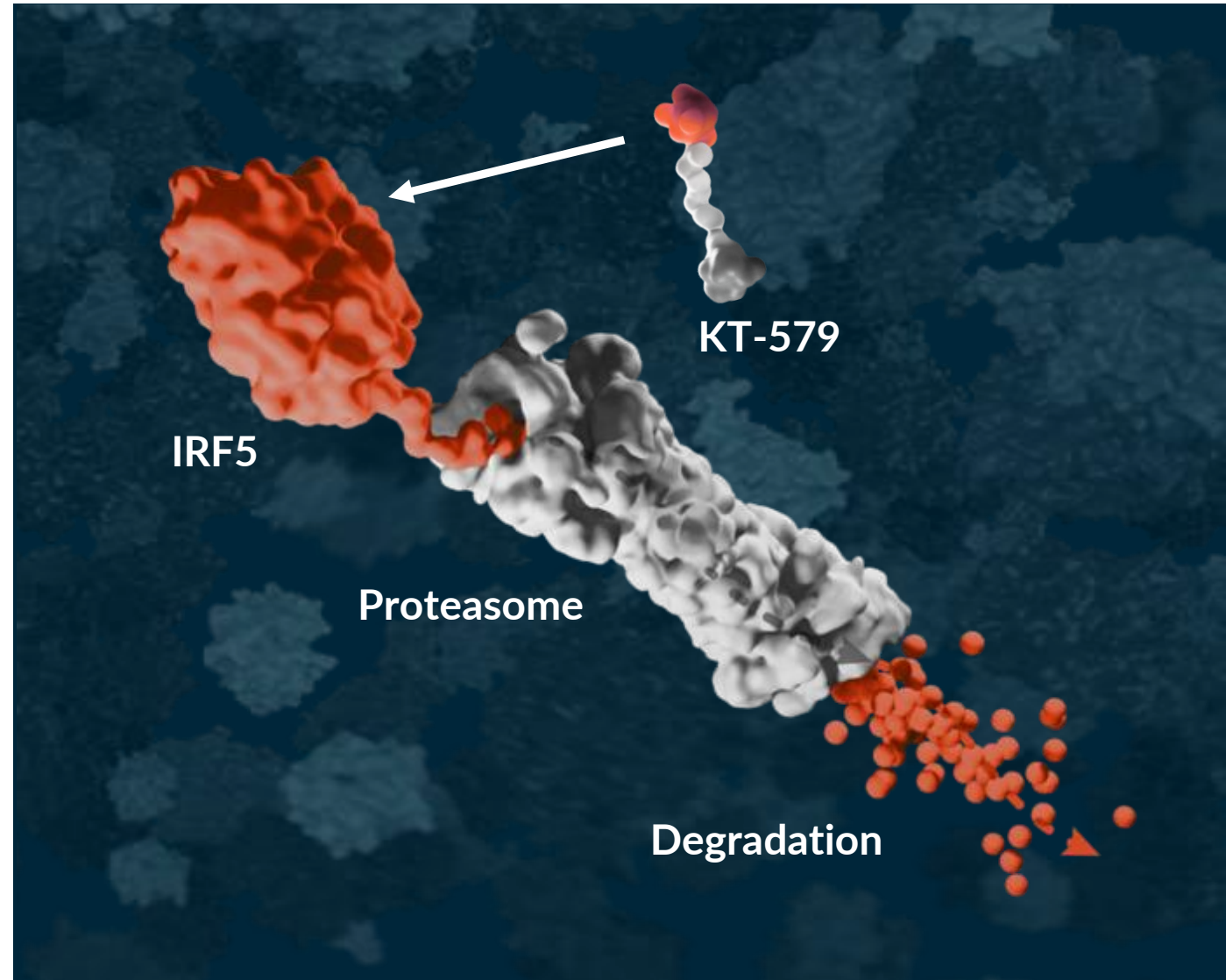
- Value proposition
- Biological function, genetics and clinical validation
- Opportunity in I&I
- KT-579: A highly potent and selective IRF5 degrader
- *In vitro* and *in vivo* data
- Next steps



KT-579: a First-in-Class IRF5 Oral Degradator

- A potent, selective, oral IRF5 degrader with broad potential utility across multiple diseases
- Robust activity in:
 - Primary human cells
 - Lupus patient donor cells
 - *In vivo models* of Lupus and RA
- Well-tolerated in safety studies up to 200-fold above the predicted human efficacious concentration

IND enabling studies ongoing, with
Phase 1 start expected early 2026



IRF5: Targeting a Genetically Validated Undrugged Transcription Factor

An Undrugged Transcription Factor, Master Regulator of Immunity

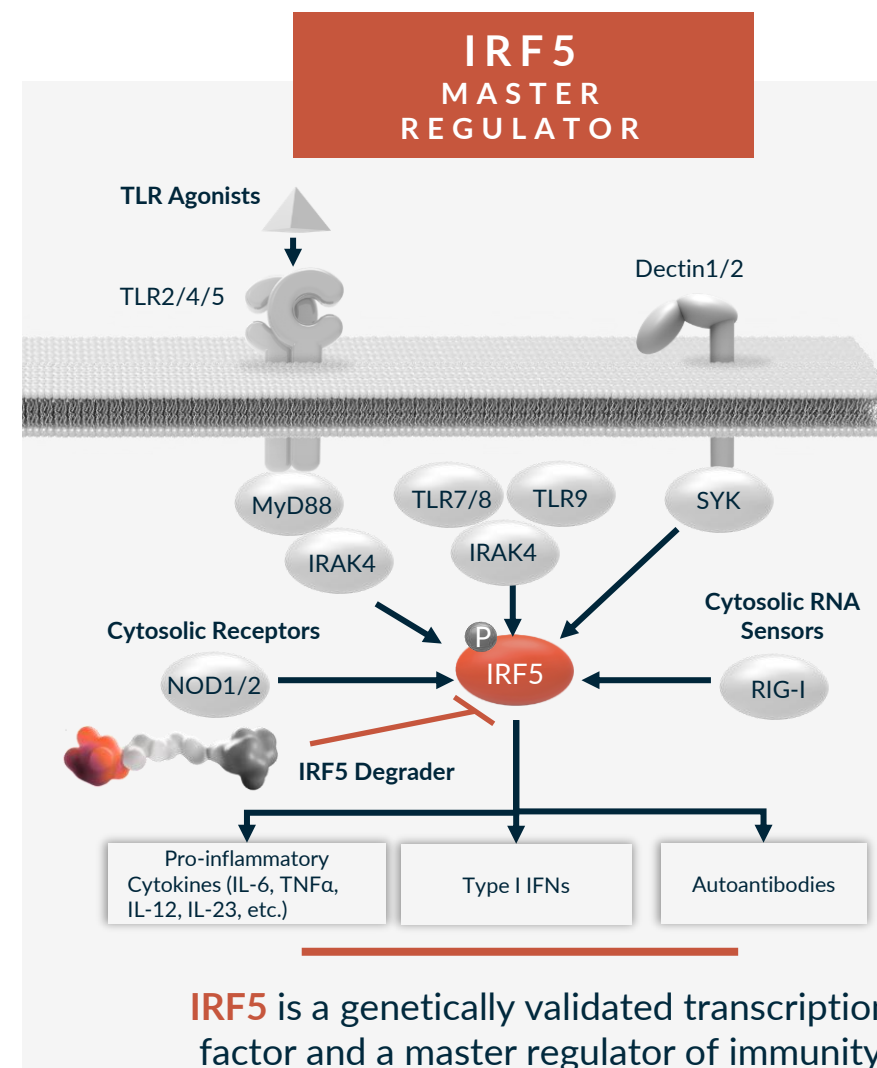
- IRF5 regulates pro-inflammatory cytokines, Type I IFN production and autoantibody production in a cell and activation-specific manner
- Targeting IRF5 has the potential to block cell-specific immune dysregulation while sparing normal cell function

Genetically and Clinically Validated

- IRF5 functional risk variants associate with increased susceptibility to SLE, Sjögren's, RA, IBD, and SSc^{1, 2}
- IRF5 regulated pathways have been clinically validated by multiple drugs (i.e. anti-IFN, -TNF, IL-6, IL-12, IL-23 Ab, B cell targeting agents)

Why a Degradator

- Conventional approaches have failed to effectively and selectively block IRF5 due to multiple activation steps and IRF family member homology
- TPD allows for a single and specific binding event to drive depletion of the protein and disrupt all IRF5 signaling



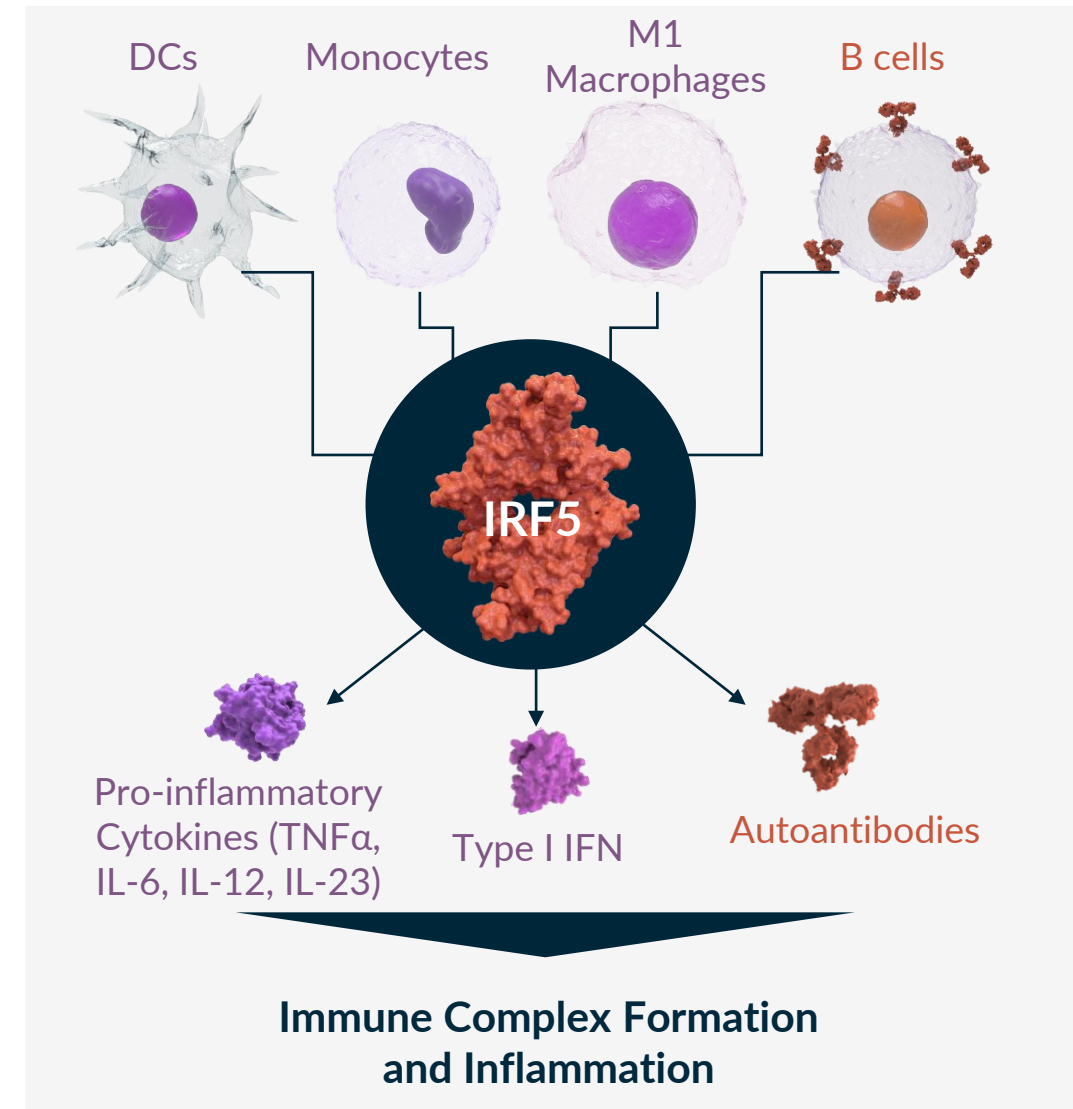
IRF5: Master Regulator of Innate and Adaptive Immune Responses

IRF5 Expression and Activation

- IRF5 is selectively expressed and activated in specific cell types: Dendritic Cells (DCs), Monocytes, Macrophages, and B cells
- IRF5 is activated by pattern recognition receptors (PRRs) during immune responses or when dysregulated in autoimmune diseases
- The cell and activation-specific profile has the potential to block cell-specific immune dysregulation while sparing normal cell function

IRF5 Function

- A master regulator of innate and adaptive responses by controlling pro-inflammatory cytokines (TNF α , IL-6, IL-12, IL-23), B cell activation (autoantibody production) and Type I IFN

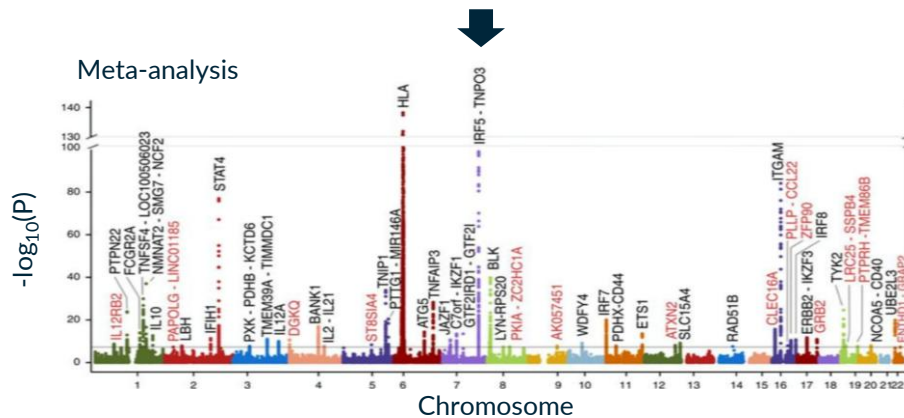


IRF5 Genetically Validated in Multiple Autoimmune Diseases

Human Genetics

- Multiple GWAS studies identify IRF5 as an autoimmune susceptibility gene¹
- IRF5 risk haplotypes and hyperactivated IRF5 levels in SLE patients associated with high serum IFN α levels, anti-dsDNA or anti-RNA binding protein antibodies
- Genetic associations and functional variants also identified in RA, IBD, SSc, and MS

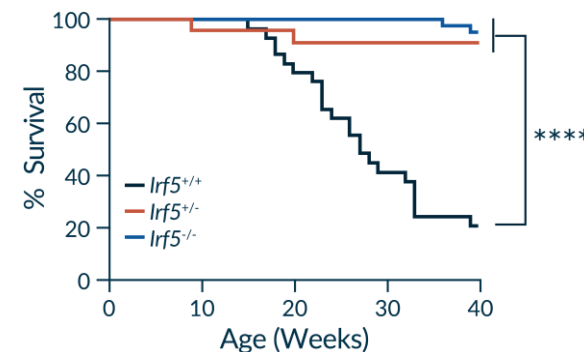
Meta-analyses Identified IRF5 as a Risk Locus for SLE



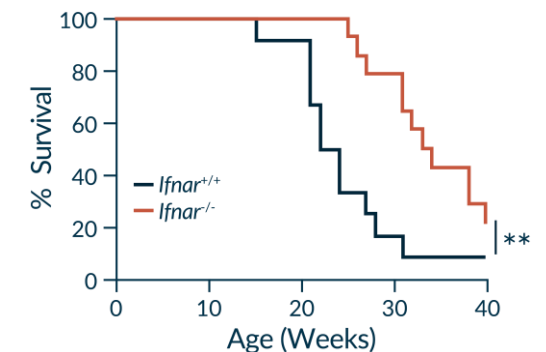
Mouse IRF5 KO Studies

- KO mice are viable and fertile; with normal B cell development
- IRF5 KO mouse can protect or attenuate disease in models of SLE, SSc, RA and IBD
- In a mouse model of lupus (FcγIIb^{-/-}, Yaa) IRF5 plays an essential role in lupus pathogenesis, that is independent of Type I IFN pathways²

IRF5 KO Increases Survival and has Essential Role in Lupus



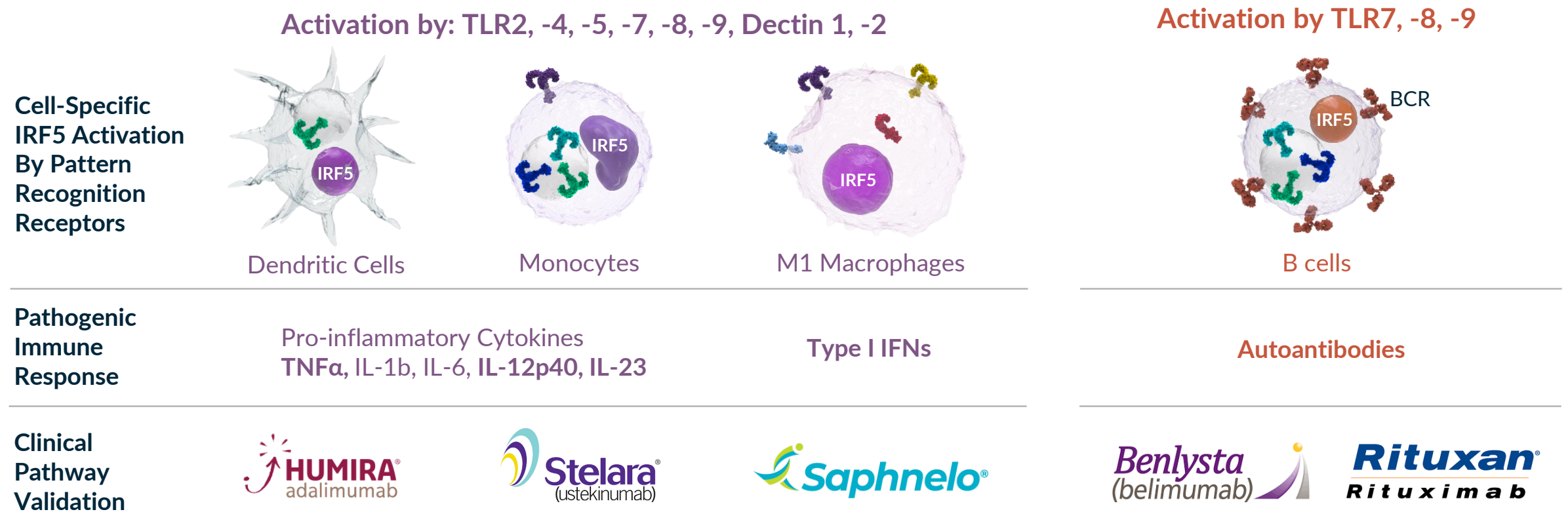
Type I IFN Modestly Protects Against Lupus



¹Santana-de Anda et al. *Autoimmunity Reviews*. 2011; ²Richez et al. *J Immunol*. 2010.; **** $p < 0.0001$; ** $p = 0.0043$

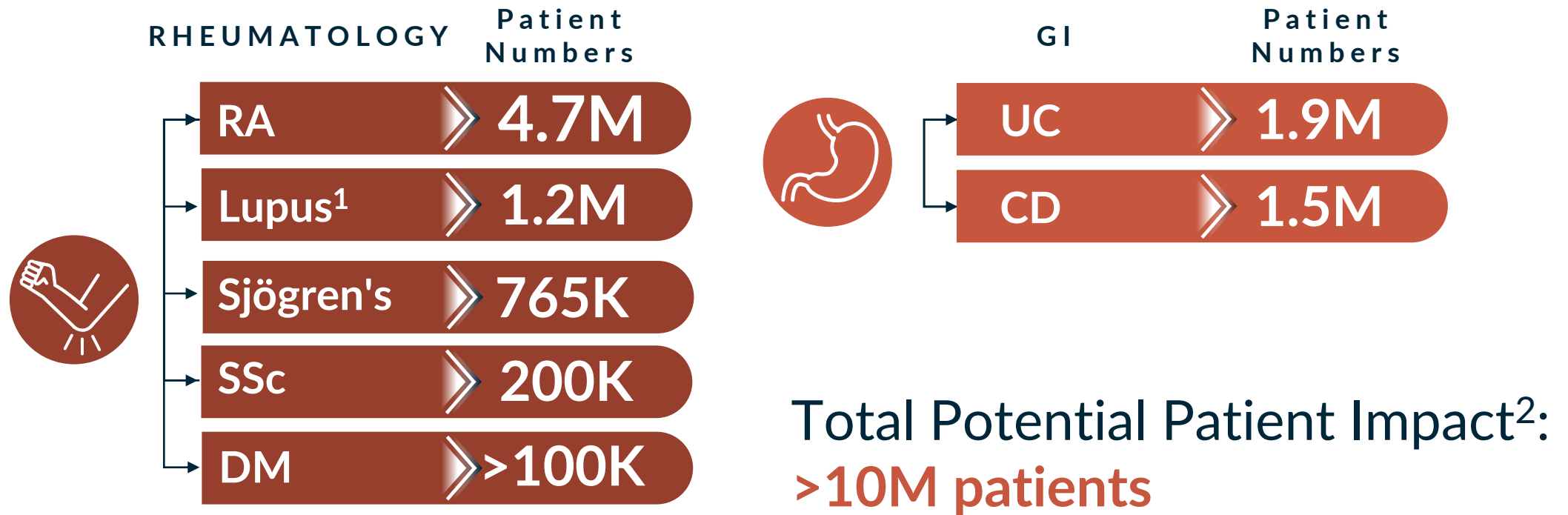
Stimuli and Cell Specific IRF5 Activation in Clinically Validated Pathways

IRF5 degradation has the potential to selectively block inflammation and restore immune regulation by inhibiting pro-inflammatory cytokines, Type I IFN and autoantibody production



Blocking IRF5 activity has the potential for more effective, tolerated and durable responses in autoimmune diseases such as **SLE, Sjögren's, RA, and IBD**

IRF5: A Novel Mechanism in High Unmet Need Indications in I&I

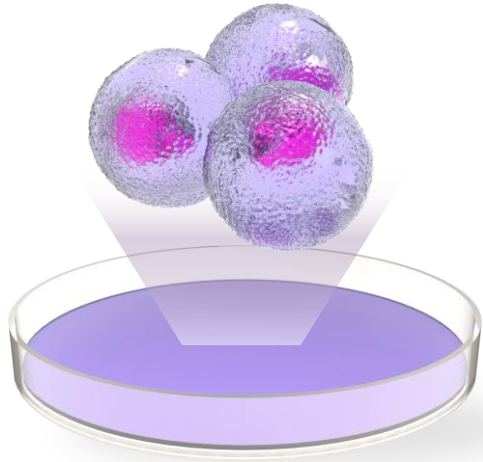


IRF5 functional risk variants associate with increased susceptibility to multiple diseases, and IRF5 regulated pathways have been clinically validated by multiple drugs

¹Lupus includes SLE, CLE, LN; ²GlobalData (2023 diagnosed prevalent patient population US/EU5/JP)

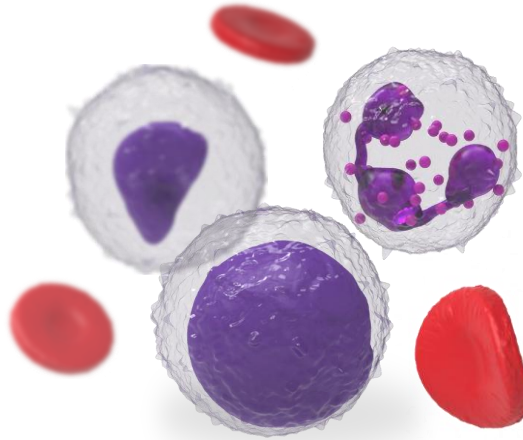
KT-579 Preclinical Characterization

Human Primary Cells (Healthy)



- ✓ Degradation and selectivity
- ✓ Pro-inflammatory cytokines inhibition
- ✓ Type-I IFN inhibition

SLE Patient Samples



- Inhibition of:
- ✓ Pro-inflammatory cytokines
 - ✓ Type-I IFN
 - ✓ Autoantibodies

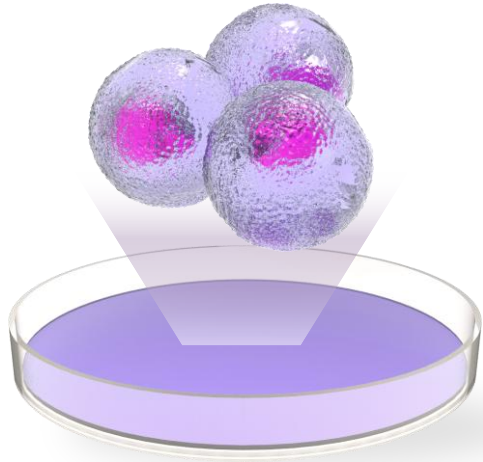
In Vivo Disease Models



- ✓ Inhibition of pro-inflammatory cytokines *in vivo*
- ✓ MRL/lpr Lupus model
- ✓ NZBW1 Lupus model
- ✓ AIA (antigen-induced) RA model

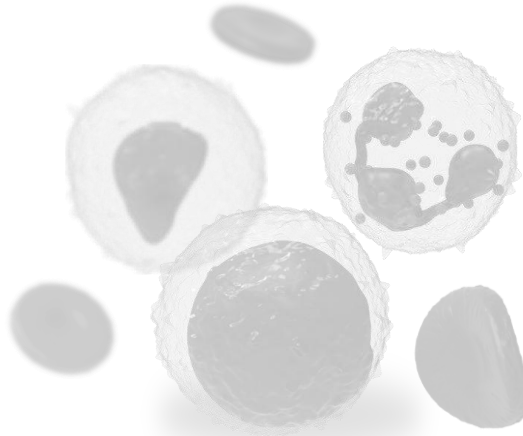
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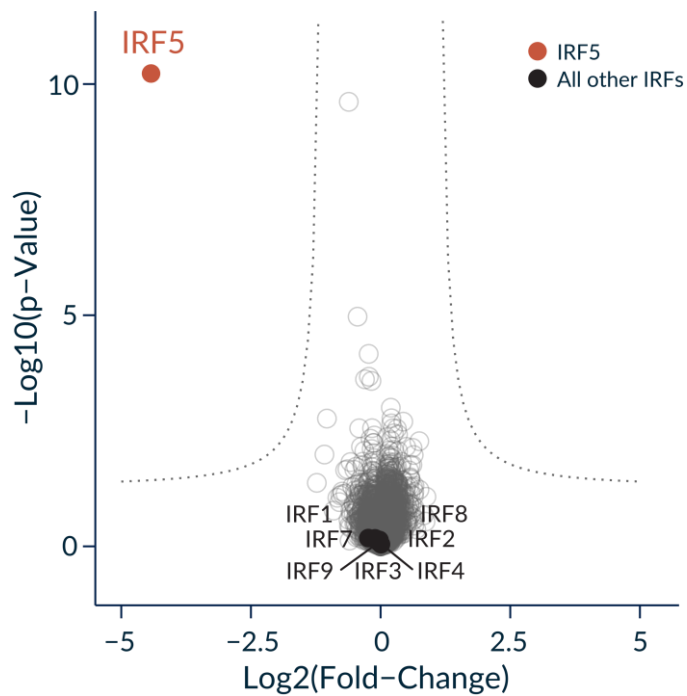
In Vivo Disease Models



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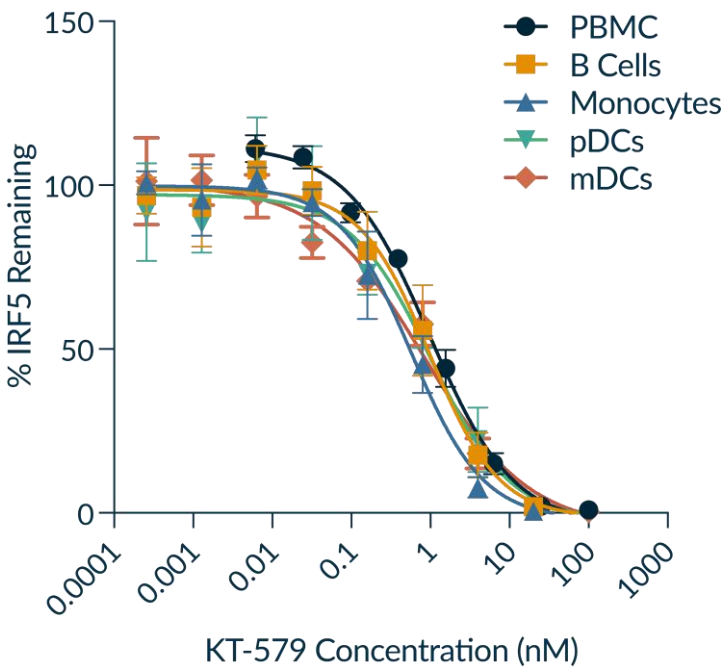
KT-579: An Exquisitely Selective and Picomolar Oral IRF5 Degrad

KT-579: 10xDC₉₀ in hPBMCs @ 24 hrs



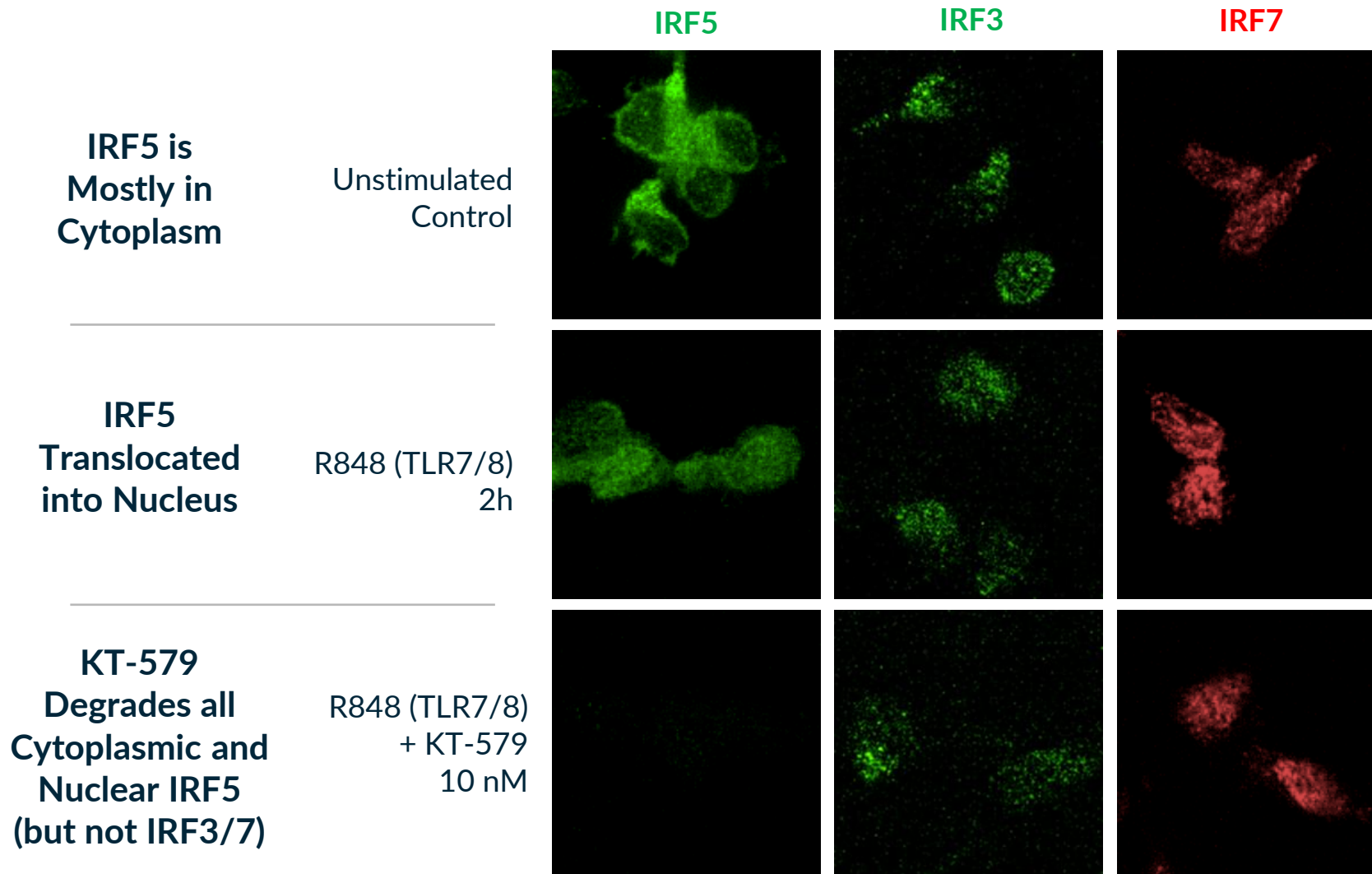
Selectivity Binding and Cellular Assays	KT-579
IRF3, 4, 6, 7, 8 SPR binding, Kd (nM)	>10,000
IRF3 Degradation DC ₅₀ (nM)	>10,000
IRF7 Degradation DC ₅₀ (nM)	>10,000

Equipotent Degradation in Relevant hPBMC Subsets @ 24hrs



Cell Subsets	KT-579 DC ₅₀ (nM)
PBMC	0.8
CD19+ B cells	1.0
CD14+ Monocytes	0.6
HLA-DR+CD123+ pDCs	0.9
HLA-DR+CD11c mDCs	0.9

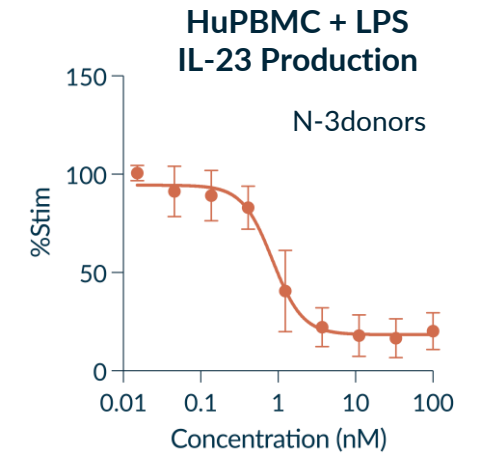
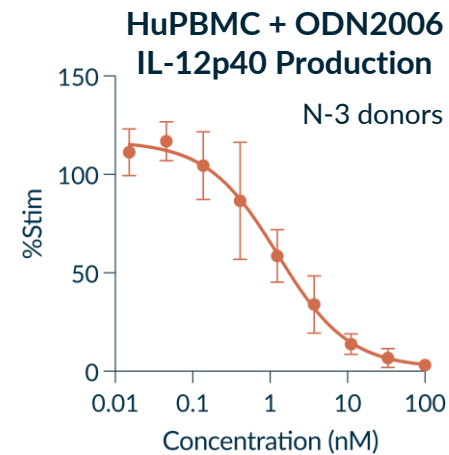
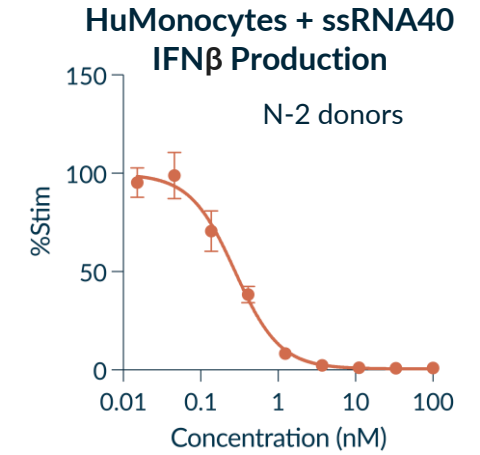
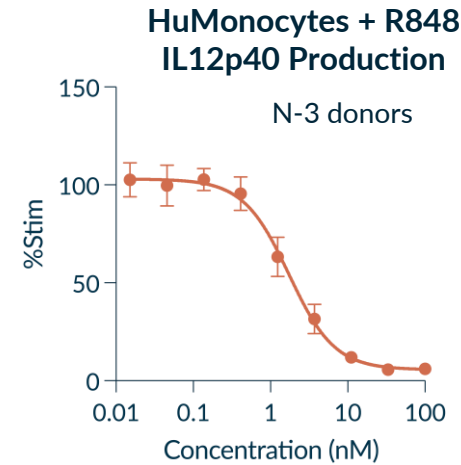
KT-579 Selectively Depletes IRF5 Downstream of TLR Activation



IRF5 degradation in human monocytes selectively depletes TLR7/8 induced IRF5 nuclear translocation, while sparing IRF7 and IRF3

KT-579 Potently Inhibits Production of Key Pro-Inflammatory Cytokines and Type I IFN in Human Primary Cellular Assays

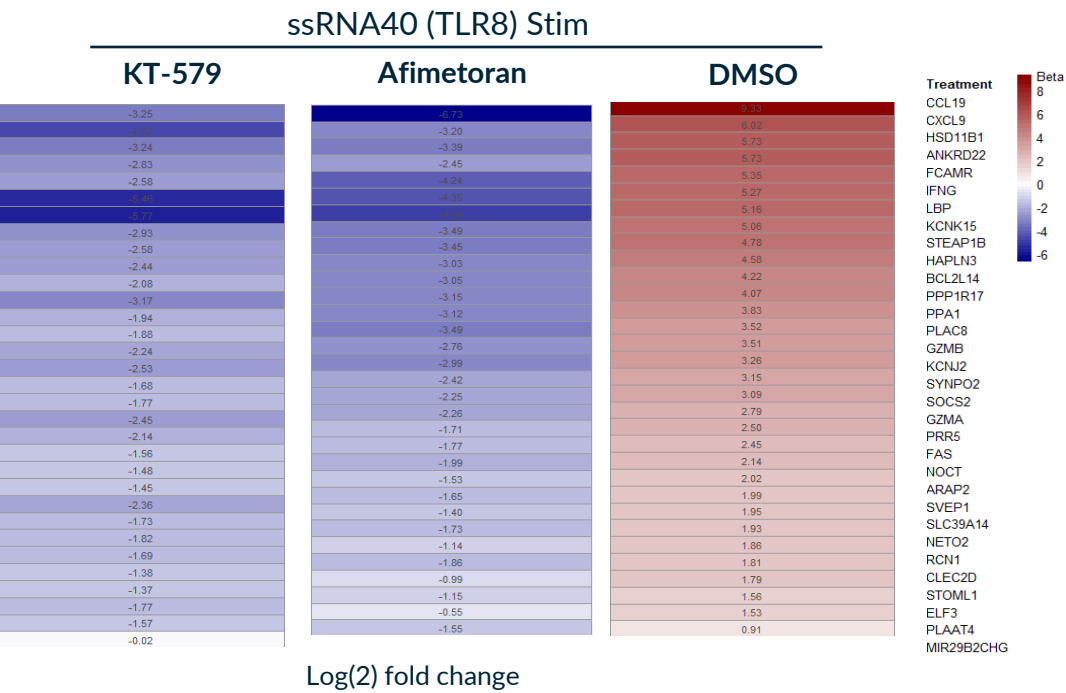
Biology	Receptor	Stim	Cell	Cytokine Readout	KT-579 DC ₅₀ (nM)
Type I IFN Production	TLR8	ssRNA40	Monocytes	IFN β	0.3
	TRL7/8	R848	Monocytes	IFN β	0.4
	TLR9	ODN2006	PBMC	IFN β	0.8
Pro-inflammatory Cytokine Production	TLR7/8	R848	PBMC	TNF α	1.5
	TLR7/8	R848	B cells	TNF α	0.4
	TLR8	ssRNA40	Monocytes	TNF α	1.3
	TL7/8	R848	Monocytes	IL-12p40	0.5
	TLR9	ODN2006	PBMC	IL-12p40	1.8
	TLR7/8	R848	Monocytes	IL-1b	0.15
	TLR4	LPS	PBMC	IL-23	1.1



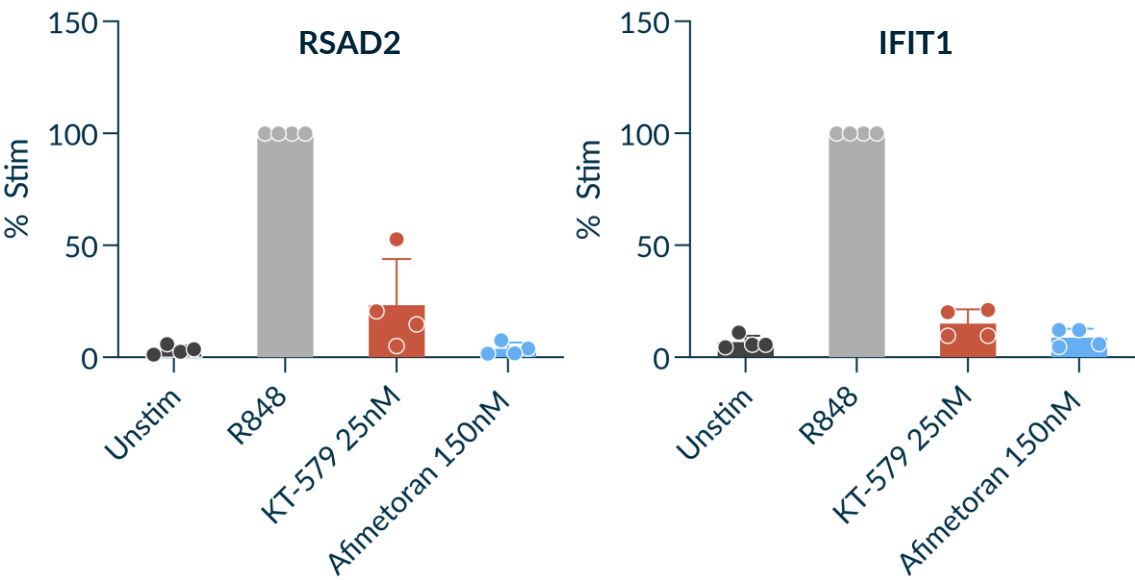
IRF5 degradation inhibits proinflammatory cytokines (TNF α , IL-12, IL-23, IL-1) and Type I IFN (IFN β) downstream of TLR4, TLR7, TLR8, and TLR9 activation

KT-579 Dampens Type I IFN Downstream Response

Impact on Type I Response Following TLR8 Activation



Inhibition of Select Downstream Interferon-Stimulated Genes (ISGs)



KT-579 blocks Type I IFN dependent genes at least as effectively as an anti-TLR7/8 drug (Afimetoran)

KT-579 inhibits TLR7/8 induced ISGs that are associated with increased disease activity in SLE

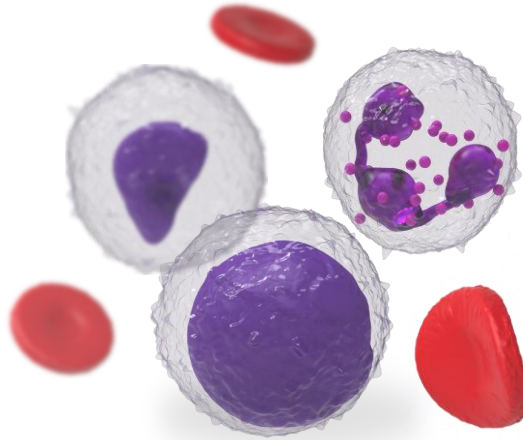
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SLE Patient Samples



- Inhibition of:
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 - ✓ Type-I IFN
 - ✓ Autoantibodies

In Vivo Disease Models

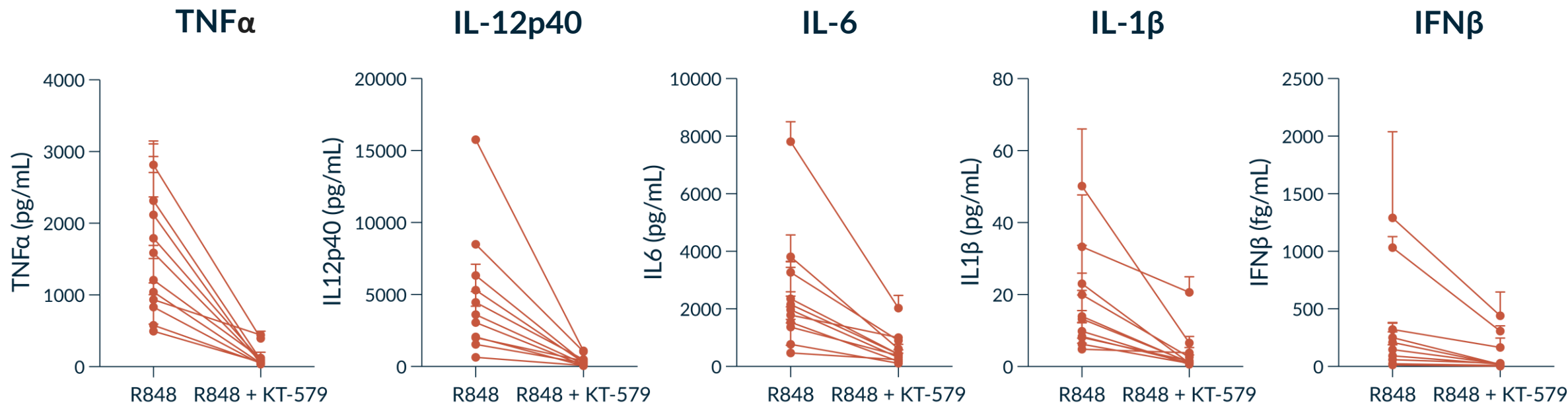


- ✓ Inhibition of pro-inflammatory cytokines *in vivo*
- ✓ MRL/lpr Lupus model
- ✓ NZBW1 Lupus model
- ✓ AIA (antigen-induced) RA model

KT-579 Effectively Blocks Pro-inflammatory Cytokines and Type I IFN Induction in SLE Patient Samples

Pro-inflammatory Cytokines

Type I IFN

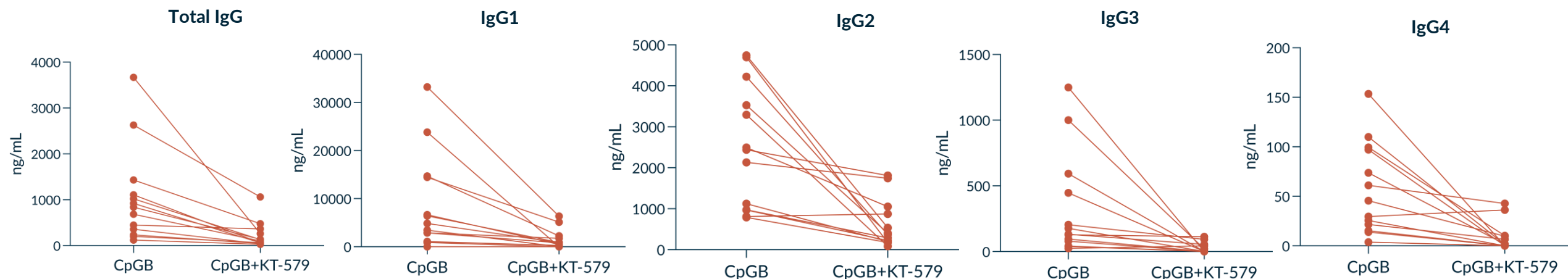


Degrader Treatment (100nM) for 24h, Followed by 24h of R848 (TLR7/8) Stimulation

KT-579 inhibits pro-inflammatory cytokines and Type I IFN that are commonly elevated in autoimmune diseases

KT-579 Significantly Inhibits IgG Levels in Human SLE Patient Samples

KT-579 Inhibits IgG Levels After TLR9 Activation (CpG-B)



7-day B cell culture with CpG-B (TLR9) + 100nM degrader treatment

KT-579 reduces TLR9 (CpG-B) induced plasmablast differentiation and inhibits IgG production in SLE derived B cells

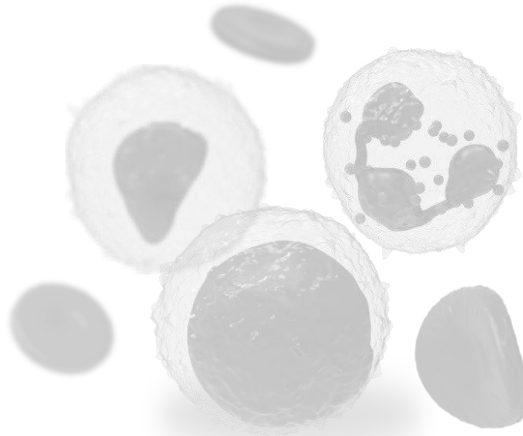
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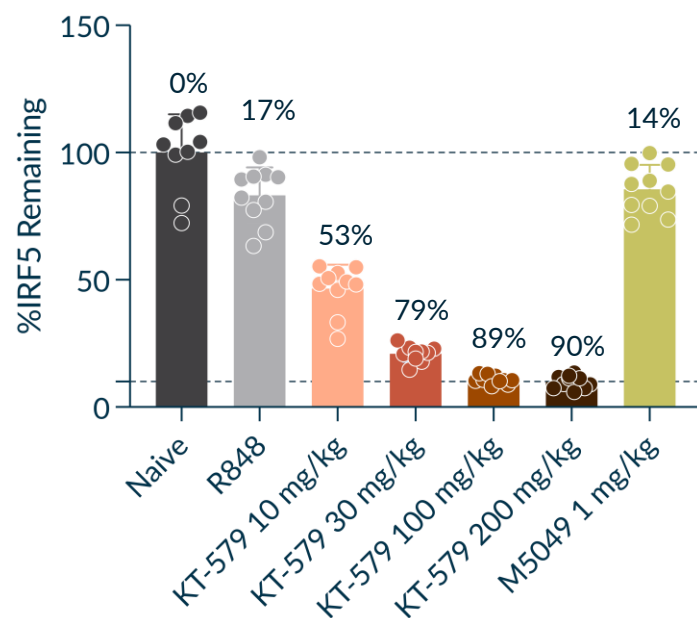
In Vivo Disease Models



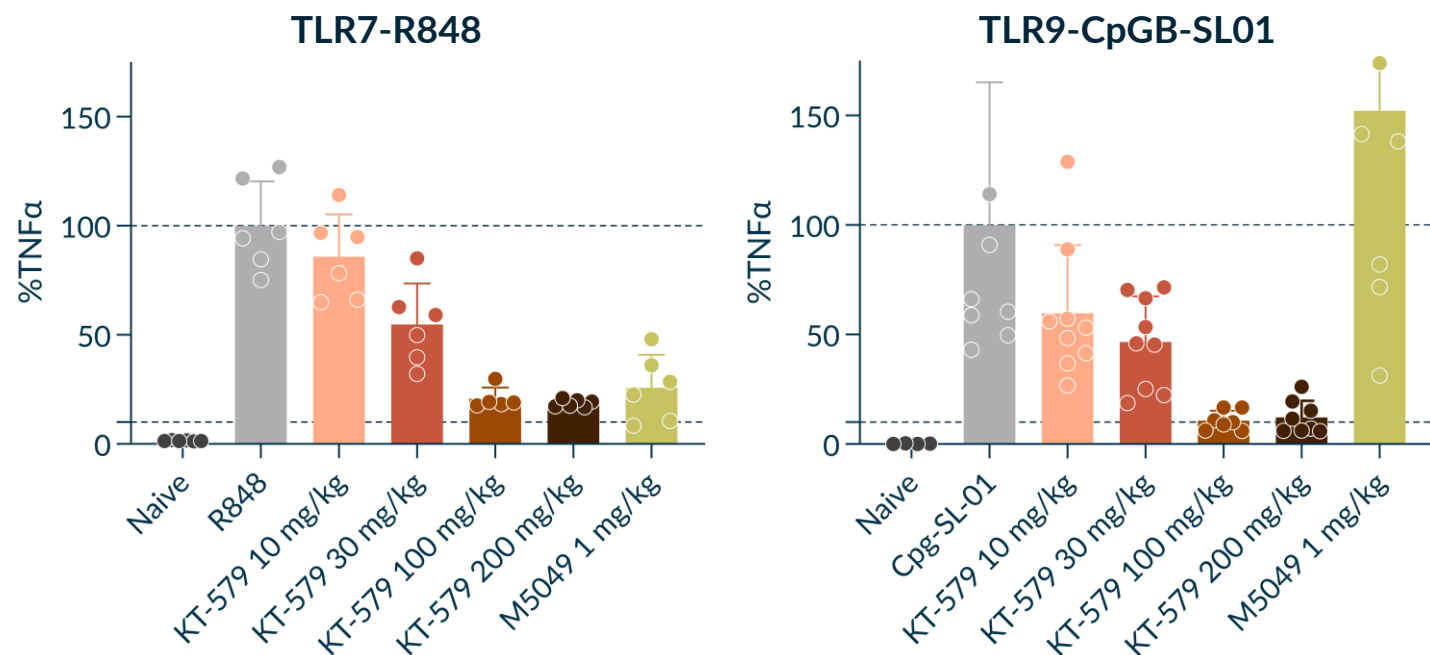
- ✓ Inhibition of pro-inflammatory cytokines *in vivo*
- ✓ MRL/lpr Lupus model
- ✓ NZBW1 Lupus model
- ✓ AIA (antigen-induced) RA model

KT-579 Effectively Blocks Circulating Cytokines In Mouse Model¹

IRF5 Degradation in Mouse Spleen Following 4 Days of Oral Dosing



KT-579 Leads to Significant Dose-dependent Inhibition of TLR7-R848 and TLR9-CpG-B Cytokine Production in Mouse

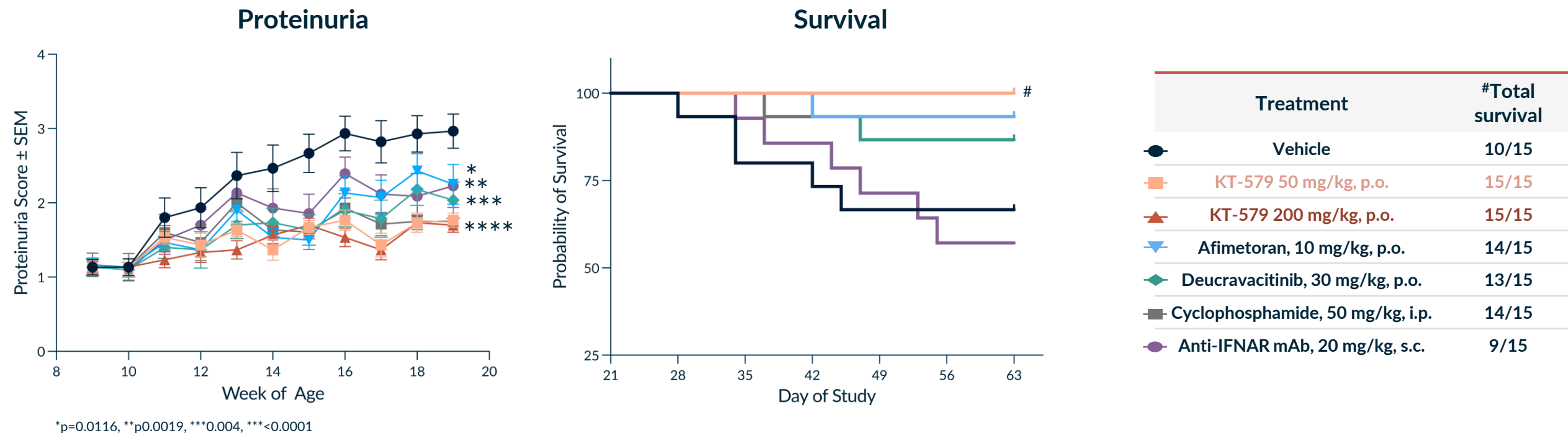


M5049=TLR7/8 SMI

KT-579, not M5049 (TLR7/8 SMI), blocks both TLR7 and TLR9 induced cytokines, including TNFα (shown), IL-6, IL-12p40, IFNβ (not shown)

¹As in other Kymera programs, degraders require higher doses in mouse vs. other species due to higher PPB and lower affinity (see slide 48 for NHP in vivo degradation)

KT-579 Demonstrated Generally Better Outcomes than Approved or Clinically Active Drugs in MRL/lpr¹ Model of Lupus

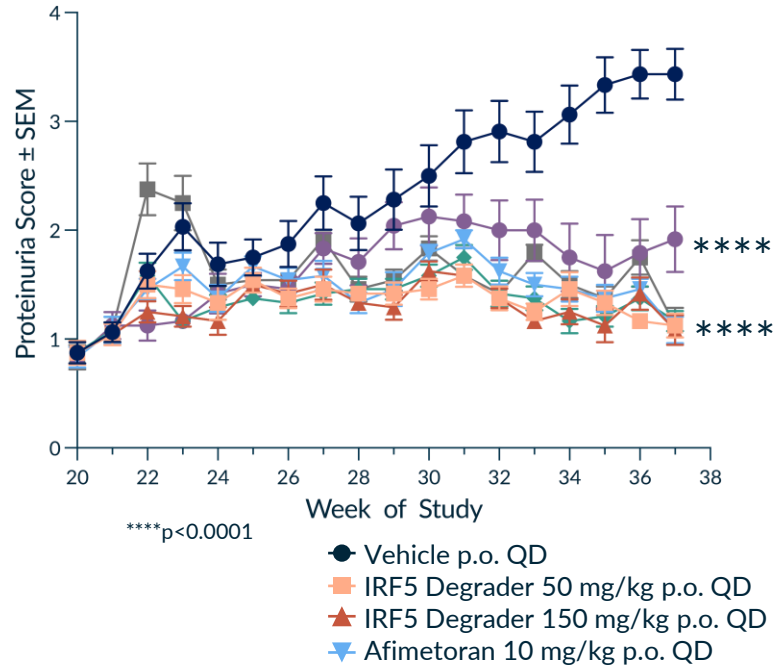


KT-579, dosed once a day for 63 days, leading to 85% and >90% IRF5 degradation, reduced proteinuria (key disease marker) and prevented disease associated mortality better than all other approved or clinically active agents tested

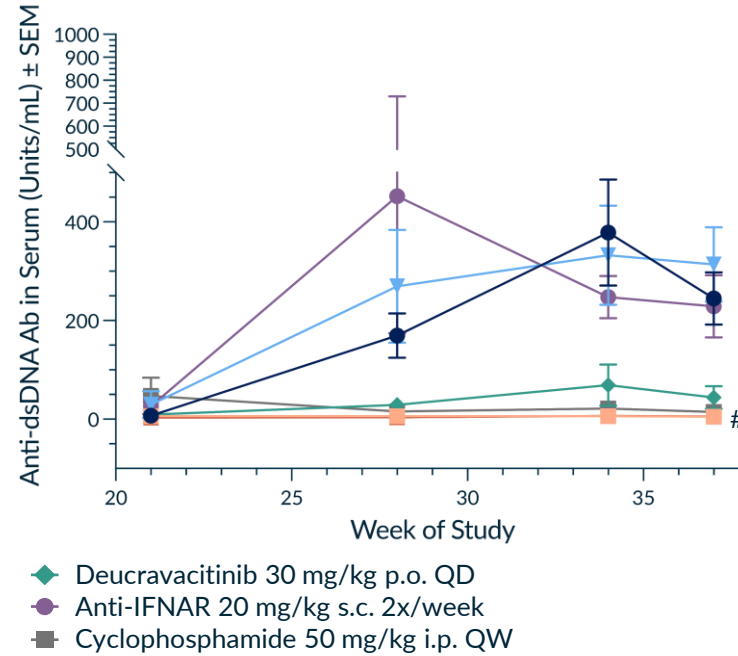
¹MRL/lpr mice have a susceptible genetic background and single inactivating mutation in Fas gene, quickly developing lupus-like symptoms and manifestations.
#KT-579 50 mg/kg p.o. and 200 mg/kg p.o. lines are overlapping

IRF5 Degradation Demonstrated Generally Better Outcomes than Approved or Clinically Active Drugs in NZBW1 Spontaneous¹ Mouse Lupus Model

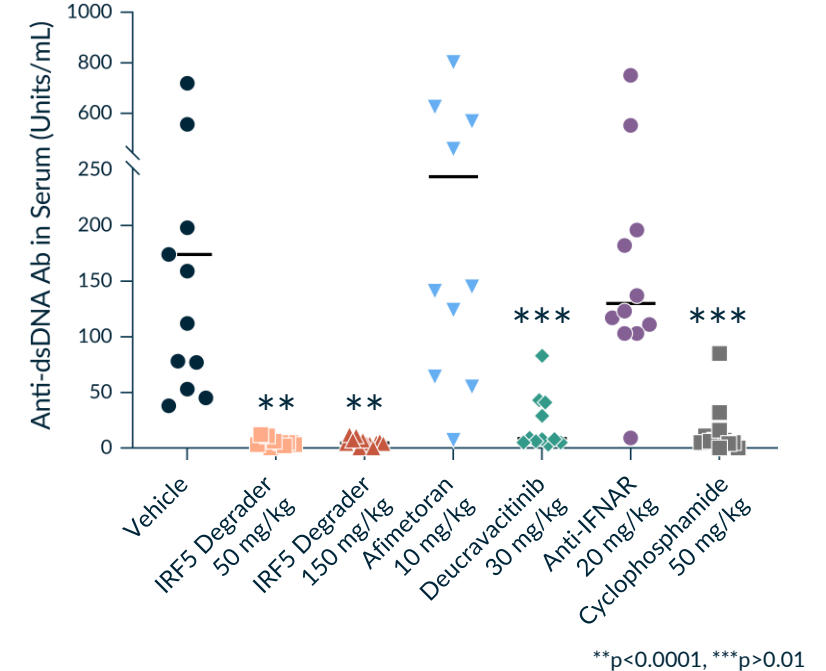
Decreased Proteinuria



Early, Sustained and Complete Reduction in Anti-dsDNA Abs



Superior Activity Reducing Anti-dsDNA at Week 37



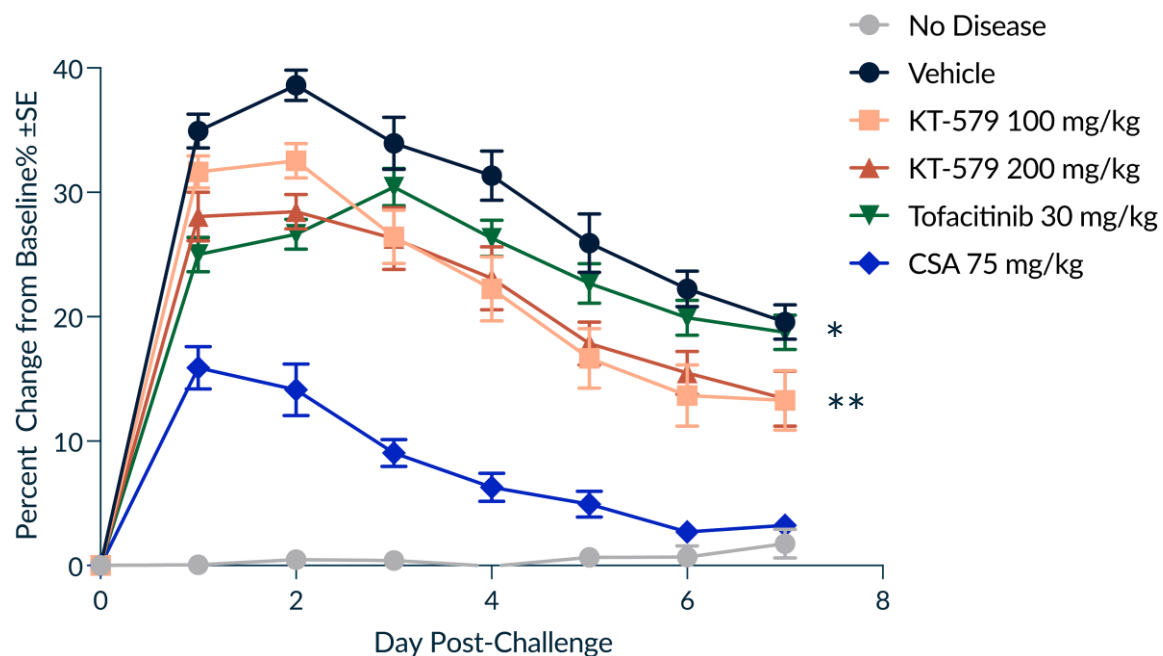
IRF5 degrader, dosed once a day for 107 days, leading to 80% and >90% IRF5 degradation, led to decreased proteinuria and near complete reduction of serum anti-dsDNA Abs superior to standard of care, approved and clinically active agents tested

¹NZBW1 mice develop a similar disease to human SLE, characterized by anti-dsDNA ANA production, and immune complex mediated nephritis due to defects in multiple genes

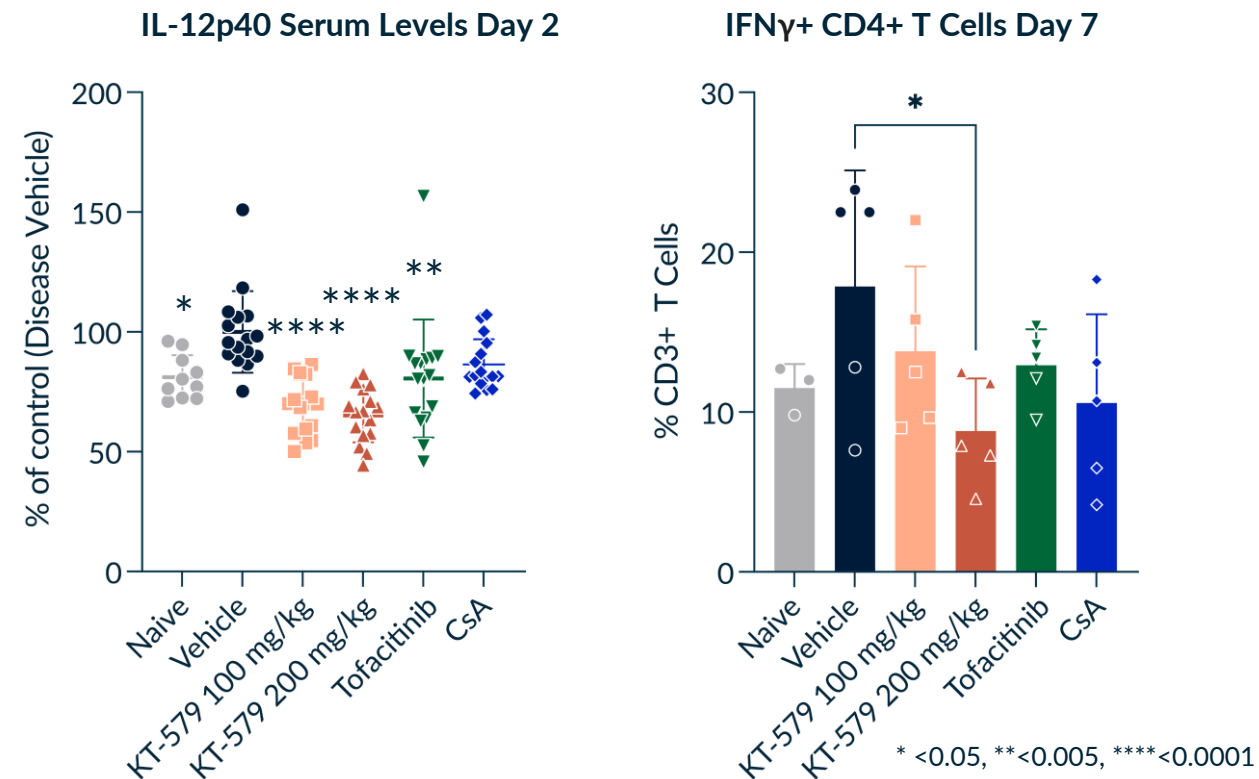
#IRF5 Degradar 50 mg/kg p.o. and 150 mg/kg p.o. lines are overlapping

KT-579 Reduces Joint Swelling in a Mouse Model of RA

Treatment with KT-579 Leads to Significant Reduction in Joint Swelling Comparable to Tofacitinib in the AIA¹ Mouse Model of RA



Reduction in Circulating IL-12 Levels and Infiltrating Synovial IFN γ + Th1 Cells



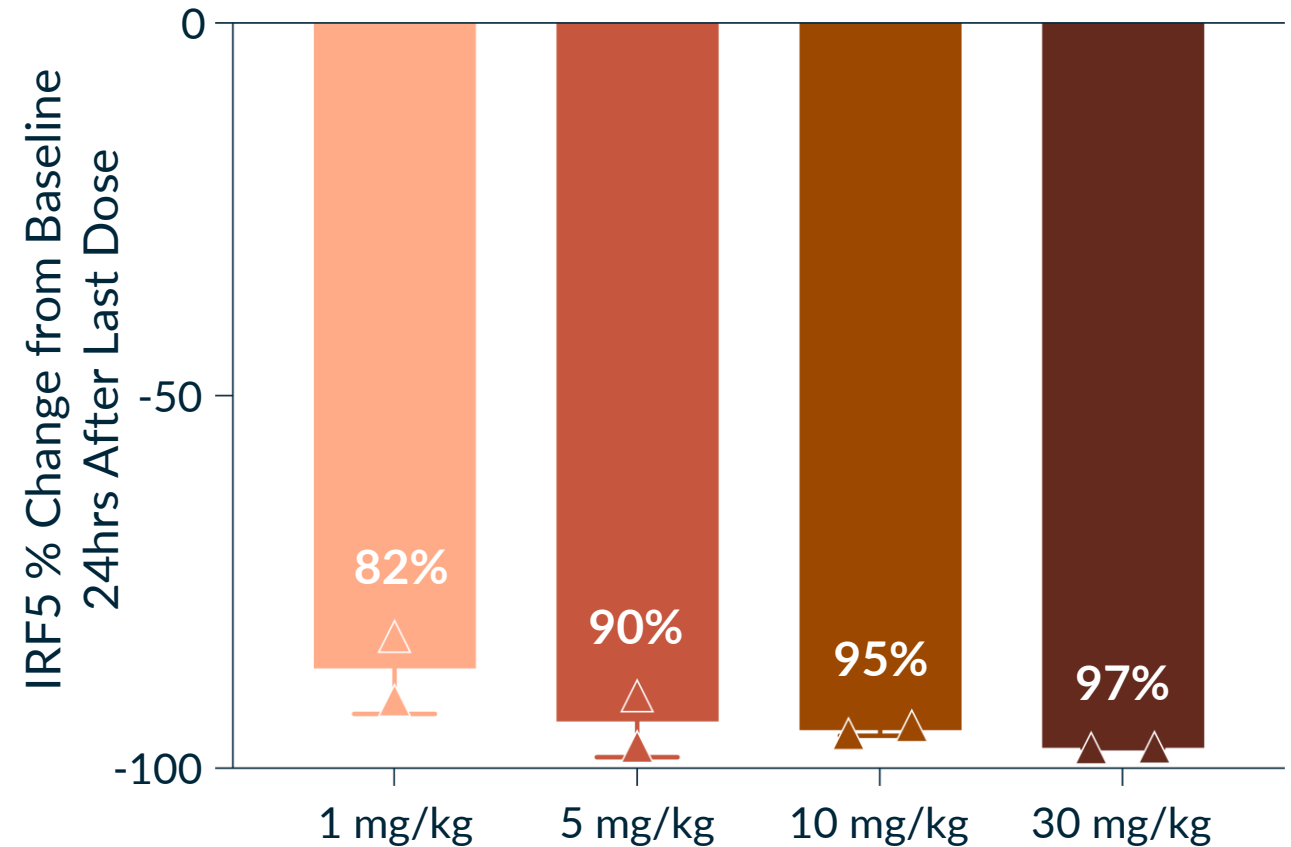
Daily oral dosing of KT-579, leading to ~90% IFR5 degradation, results in significant reduction of circulating pro-inflammatory cytokines, joint swelling and pathogenic infiltrating T cells

¹Antigen induced arthritis (AIA) model was established by sensitization with methylated bovine serum albumin (mBSA). 14 days later mice were challenged with mBSA (Day 0) that induced rapid inflammation and swelling at site of injection. Samples for analysis collected on Day 2 and Day 7.

KT-579 Potently Degrades at Low Oral Doses in NHP with an Excellent Safety Profile

- KT-579 potently degrades IRF5 across multiple preclinical species with low oral doses
- KT-579 completed non-GLP toxicity studies in NHP and rodents with no adverse effects at up to 200-fold predicted human efficacious exposure

IRF5 Degradation in NHP Blood Post 7 Days of KT-579 QD Oral Dosing

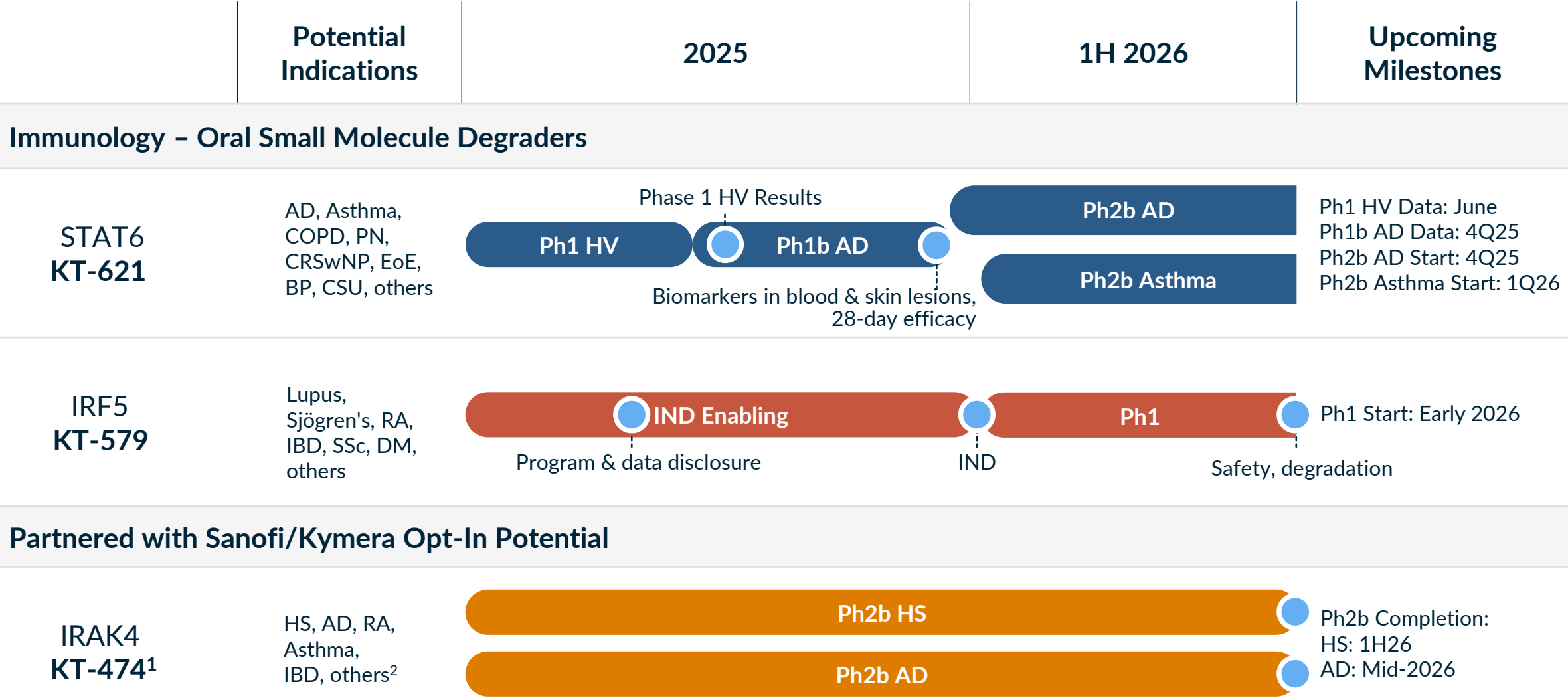


IRF5 Program Executive Summary

Vision: KT-579 is a first-in-class, oral IRF5 degrader to target debilitating diseases driven by Type 1 interferon, pro-inflammatory cytokines (TNF α , IL-1b, IL-6, IL-12p40, IL-23) and autoantibodies such as SLE, Sjögren's disease, dermatomyositis, RA, IBD and potentially others

- IRF5 has the potential to be the first broad anti-inflammatory to affect immune dysregulation while sparing normal cell function
- Human and mouse genetics and preclinical validation point to potential best-in-class profile in Lupus (as well as B cell mediated and Type 1 IFN diseases) and RA
- KT-579 is the first highly selective, potent, oral IRF5 degrader development candidate
- IRF5 degradation *in vivo* leads to robust cytokine inhibition and *in vivo* efficacy in models of lupus and RA superior to approved drugs in the space
- KT-579 fully degrades IRF5 across multiple preclinical species and in all relevant tissues with a favorable safety profile (no AEs in non-GLP tox studies)
- IND-enabling studies ongoing and initiation of a Phase 1 trial is expected early 2026

Pipeline with Clear Line of Sight to Large Value Creation



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.

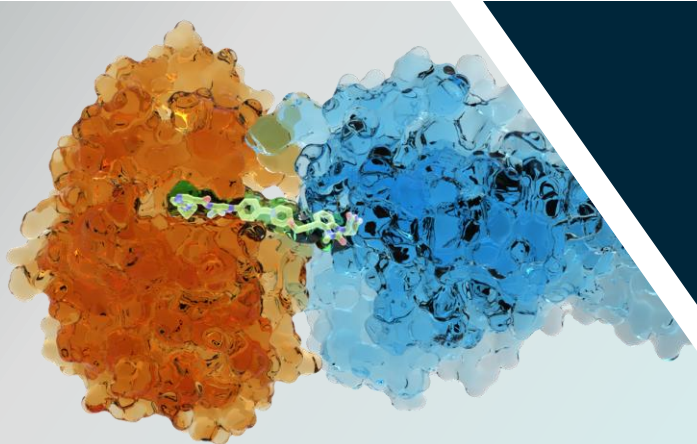
A Powerful Strategy for Patients

Harnessing the powerful mechanism of TPD to develop innovative, differentiated medicines that address critical health problems in immunology

Demonstrated consistent and compelling preclinical packages across our immunology programs

Established unique capabilities to tackle high value undrugged targets in validated pathways linked to several diseases

Advancing accelerated and innovative clinical strategies that position our programs for key inflection points near term



We're always innovating for patients - advancing oral therapies with biologics-like profiles to transform treatment paradigms



Thank You

Q&A