

Research & Development Day

September 14, 2023

Forward Looking Statements and Non-GAAP Financial Information

This presentation contains statements about Bristol-Myers Squibb Company's (the "Company") future financial results, plans, business development strategy, anticipated clinical trials, results and regulatory approvals that constitute forward-looking statements for purposes of the safe harbor provisions under the Private Securities Litigation Reform Act of 1995. All statements that are not statements of historical facts are, or may be deemed to be, forward-looking statements. Actual results may differ materially from those expressed in, or implied by, these statements as a result of various factors, including, but not limited to, (i) new laws and regulations, (ii) our ability to obtain, protect, and maintain market exclusivity rights and enforce patents and other intellectual property rights, (iii) our ability to achieve expected clinical, regulatory and contractual milestones on expected timelines or at all, (iv) difficulties or delays in the development and commercialization of new products, (v) difficulties or delays in our clinical trials and the manufacturing, distribution and sale of our products, (vi) adverse outcomes in legal or regulatory proceedings, (vii) risks relating to acquisitions, divestitures, alliances, joint ventures and other portfolio actions and (viii) political and financial instability, including changes in general economic conditions. These and other important factors are discussed in the Company's most recent annual report on Form 10-K and reports on Forms 10-Q and 8-K. These documents are available on the U.S. Securities and Exchange Commission's website, on the Company's website or from Bristol-Myers Squibb Investor Relations. No forward-looking statements can be guaranteed.

In addition, any forward-looking statements and clinical data included herein are presented only as of the date hereof. Except as otherwise required by applicable law, the Company undertakes no obligation to publicly update any of the provided information, whether as a result of new information, future events, changed circumstances or otherwise.



Agenda for today

Chris Boerner, PhD, EVP - Chief Operating Officer

Strategic Overview

Robert Plenge, MD, PhD - EVP, Chief Research Officer, Head of Research

Building on our strengths to deliver industry-leading R&D

BREAK (10 min)

Samit Hirawat, MD - EVP, Chief Medical Officer, Drug Development

Accelerating Our Deep Development Pipeline (Immunology, Hematology, & Oncology)

BREAK (10 min)

Samit Hirawat, MD - EVP, Chief Medical Officer, Drug Development

Accelerating Our Deep Development Pipeline (Cardiovascular & Neuroscience)

Chris Boerner, PhD, EVP - Chief Operating Officer

Closing

BMS Leadership

Q&A

Conclusion, lunch reception

Strategic Overview



Chris Boerner, PhD

EVP, Chief Operating Officer
CEO, effective Nov. 1, 2023

Our business has significant opportunities beyond external expectations

Strong Foundation

- **R&D has delivered: 9** new medicines, numerous milestones
- **Commercial execution is strong:** Key Inline & New Products continue to grow
- **Business momentum is robust:** Strong base business & expanding New Product Portfolio

2023-2030 BMJ External vs Internal Revenue Drivers



Consensus Drivers

- IRA
- LOE Exposure



Drivers of Internal Conviction

- **In-line and recently launched products** with significant commercial opportunities
- **12 rapidly advancing new medicines** in or near registrational development
- **R&D productivity and efficiency** enhancements
- Strong financial capacity for **business development**

Numerous levers to drive long-term growth



Strong Base Business with unrecognized durability



Increasingly de-risked New Product Portfolio



Expanding registrational pipeline from **6** to **12** new assets over next 18 months



Robust early pipeline with **30+** assets & opportunity to deliver **~10** INDs a year



Increased R&D productivity



Strategic optionality from Business Development

Our goal is to deliver sustainable growth

Four Key Enablers

Evolve R&D for
scientific leadership

Strong commercial
execution to realize
value of our
marketed portfolio

Execute strategic
capital allocation to
further strengthen
our growth profile

Foster a high-
performance culture
and attract & retain
industry-leading talent



We are driven by our mission: Transforming patients' lives through science

Focus for today

Four Key Enablers

Evolve R&D for
scientific leadership

Strong **commercial**
execution to realize
value of our
marketed portfolio

Execute **strategic**
capital allocation to
further strengthen
our growth profile

Foster a **high-**
performance culture
and attract & retain
industry-leading talent



We are driven by our mission: Transforming patients' lives through science

Evolving BMS R&D: World-class organization with increased focus on productivity & scientific leadership

Scientific Leadership

Cardiovascular

Hematology

Oncology

Immunology

Neuroscience

Established leadership

Re-establishing

Top-tier productivity



Increasing Probability of Success



Increasing INDs



Reducing Cycle Times

Capitalize on differentiated platforms



Targeted Protein Degradation



Cell Therapy



Biotherapeutics



Small Molecules

Retain & attract the best talent in the industry



Enabled by a high-performance culture

Leveraging partnerships and AI/Digital Technologies

Build depth across our therapeutic areas

Oncology

Extend IO leadership

- SC nivolumab, Opdualag, & next generation assets

Diversification beyond IO

Cardiovascular

Deepen leadership in cardiomyopathies & heart failure

Expand expertise in thrombotic diseases

Hematology

Extend leadership across the Multiple Myeloma treatment paradigm

Broaden portfolio across leukemias, lymphomas and non-malignant hematologic diseases

Immunology

Establish new standards of care in pulmonology

Strengthen presence in dermatology, rheumatology, & gastrointestinal disorders

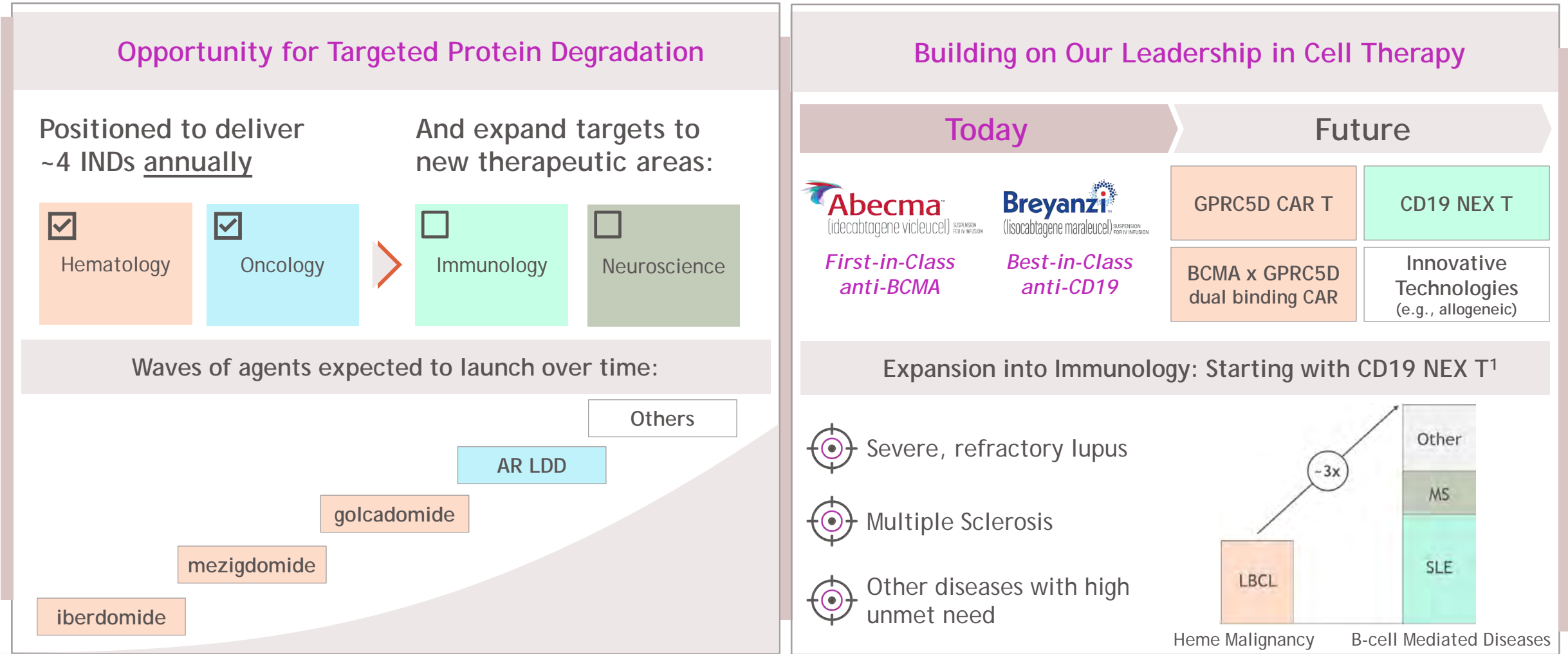
Rapidly advance Cell Therapy into immunologic diseases

Neuroscience

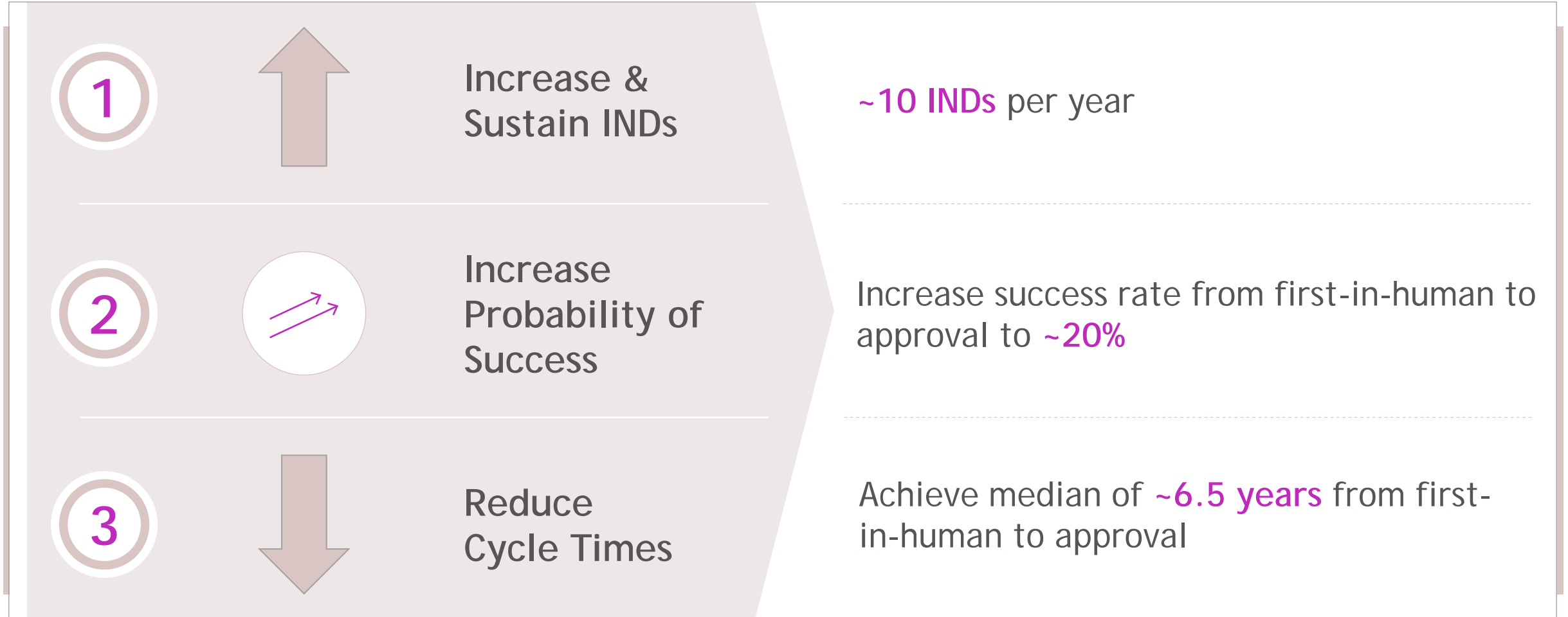
Build a diverse pipeline across neurodegenerative & neuroinflammation diseases

Advance promising clinical assets in Alzheimer's Disease & ALS

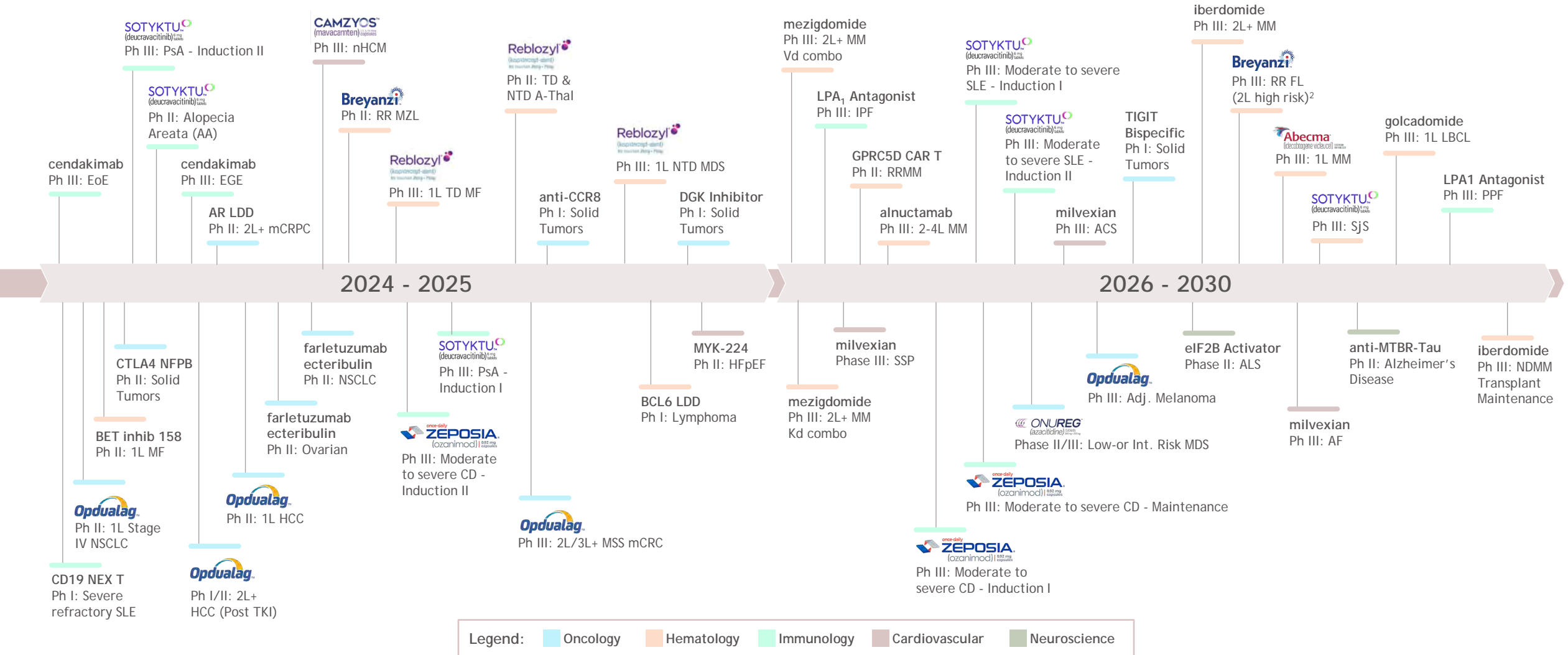
Differentiated Platforms: Significantly expand the opportunity in Targeted Protein Degradation & Cell Therapy



Three R&D productivity objectives to drive long term sustainable growth



Entering a data-rich period supporting potentially first-in-class/best-in-class assets with significant commercial potential



What you will hear today



We are focused on transforming our approach to R&D with an emphasis on:

- Strengthening scientific leadership in our TAs and platforms
- Significantly improving the efficiency and productivity of our R&D engine
- Building a culture of innovation that attracts and retains the best talent



The evolved R&D engine will enhance the data-rich period in the second half of the decade



A number of these assets have the potential to significantly exceed external expectations based on evolving science



Successful execution of our R&D strategy is a core component to enable BMS achieve its strategic goal to achieve sustainable growth

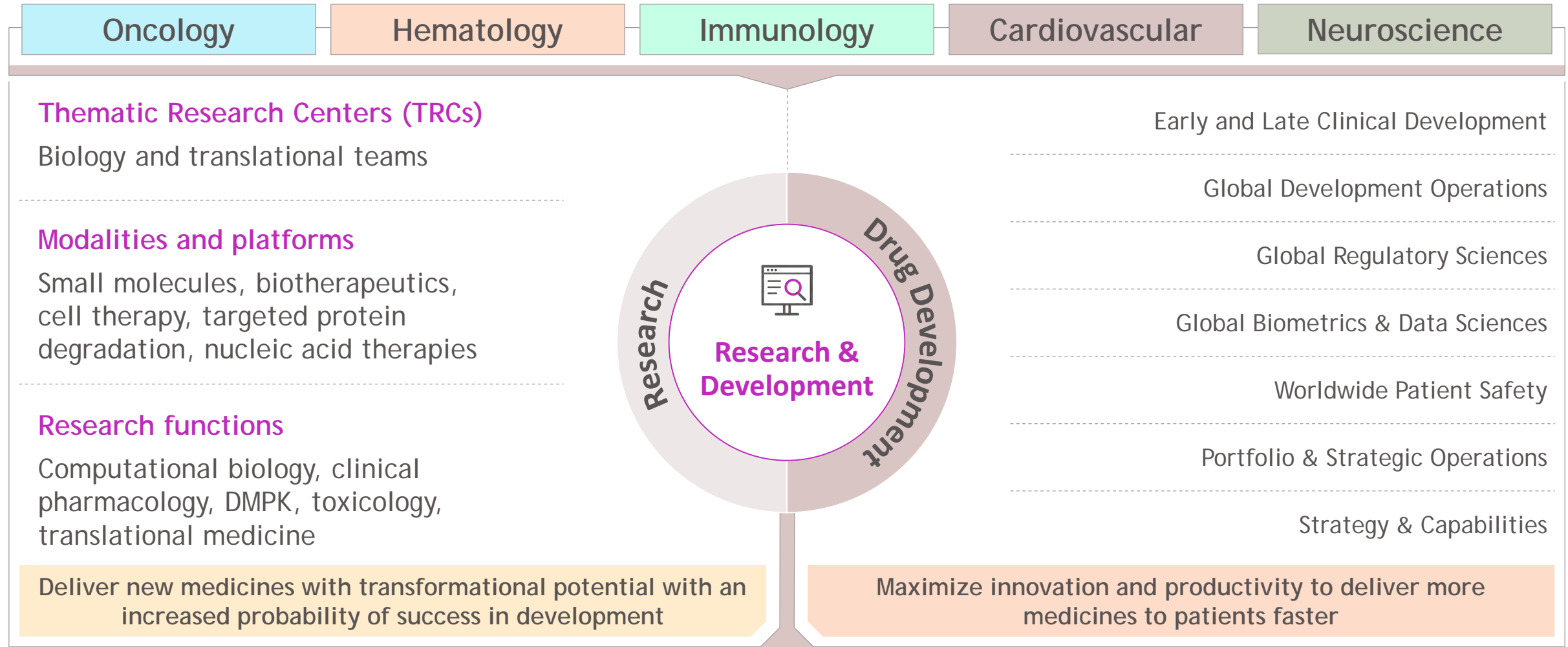
Building on our strengths to deliver industry-leading R&D



Robert Plenge, MD, PhD

EVP, Chief Research Officer, Head of Research

An integrated approach to research & development



Three key Research principles to improve R&D productivity



Causal human biology

Application of human data (e.g., genetics, longitudinal profiling of patient samples) for rigorous target validation in drug discovery



Matching modality to mechanism

Invention of high-quality therapeutics that match a modality to a molecular mechanism of action



Path to clinical proof-of-concept

Targeted patient selection (e.g., biomarkers) and clear translational endpoints for improved clinical success

Our ambition is to increase the number of INDs with transformational potential and increased probability of success across all stages of clinical development

Investments in “causal human biology to proof-of-concept” research framework ensure we are industry-leading



Causal human biology

- Human genetics (germline and somatic)
- Translational insights from patients in the real world and BMS clinical trials

TEMPUS



biobank^{uk}



BROAD
INSTITUTE



Matching modality to mechanism

- Diverse modalities, including:
 - Small molecules
 - Biotherapeutics
 - Nucleic acid therapies
 - Targeted Protein Degradation
 - Cell Therapy
- AI-assisted molecule invention

insitro

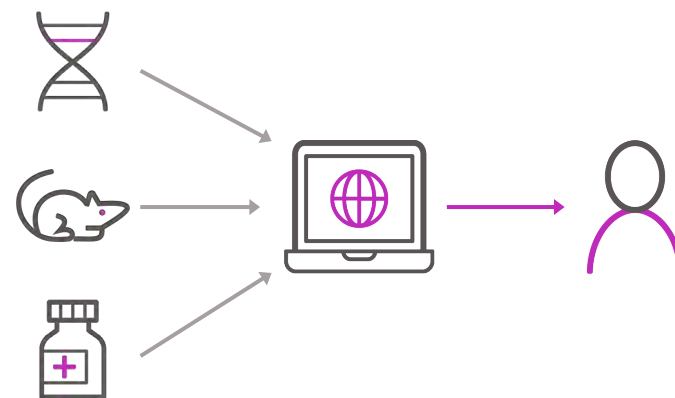
Exscientia

SCHRÖDINGER



Path to clinical proof-of-concept

Technologies and diagnostics to enable mechanistic models for dose, schedule, and patient populations



Research framework is effective: *TYK2* genetics and SOTYKTU in immunologic diseases



Causal
human biology

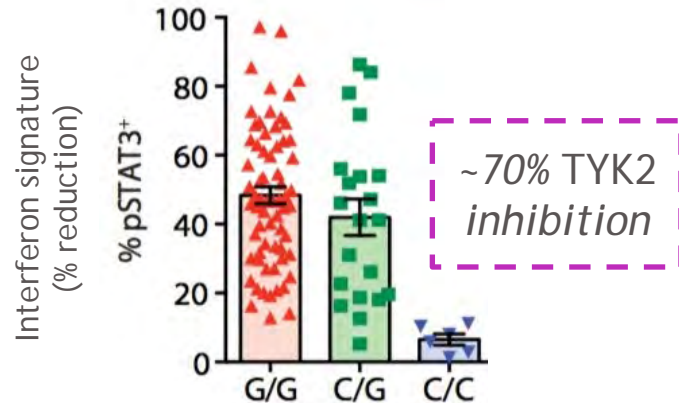


Matching modality
to mechanism

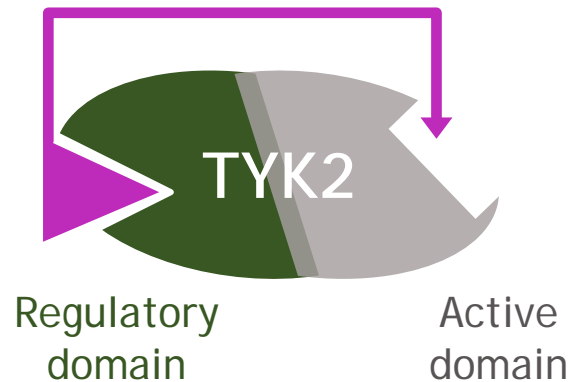


Path to clinical
proof-of-concept

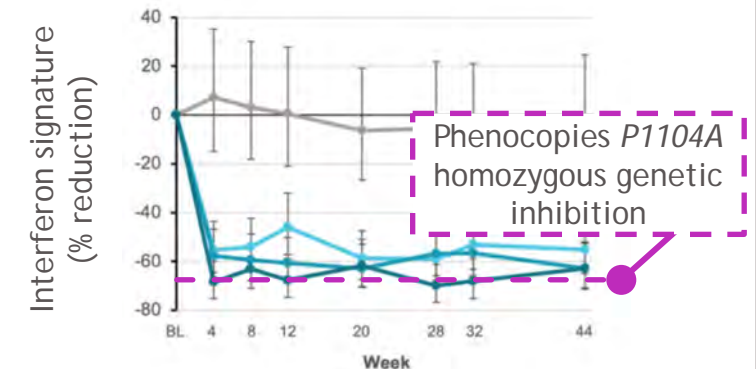
Human genetics (*P1104A*):
implicates *TYK2* in multiple
immunologic diseases



Allosteric inhibitor:
A highly selective
small-molecule drug



Initially psoriasis: now
systemic lupus
erythematosus (SLE)



We now consistently apply this Research framework to all our programs to deliver transformational medicines with an increased probability of success in development

Research framework provides confidence in new programs: novel CNS penetrant TYK2 inhibitor for Multiple Sclerosis (MS)

Transformational potential

First-in-class, oral, CNS penetrant TYK2 inhibitor with direct anti-inflammatory effects in the CNS to treat neuroinflammatory neurodegenerative disorders.

Causal human biology

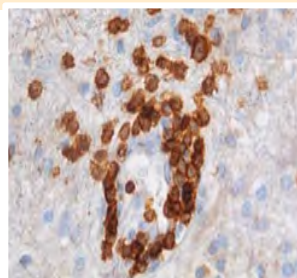
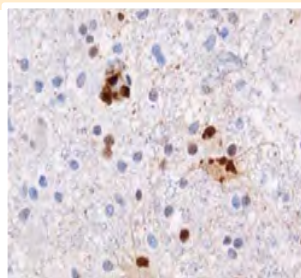
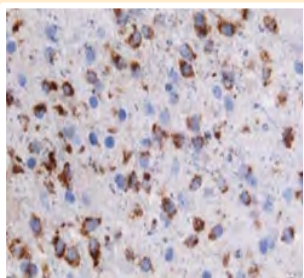
Mechanism is supported by human genetics (*P1104A* loss-of-function variant), human pathology, clinical fluid biomarkers.

Microglia

Astrocytes

Lymphocytes

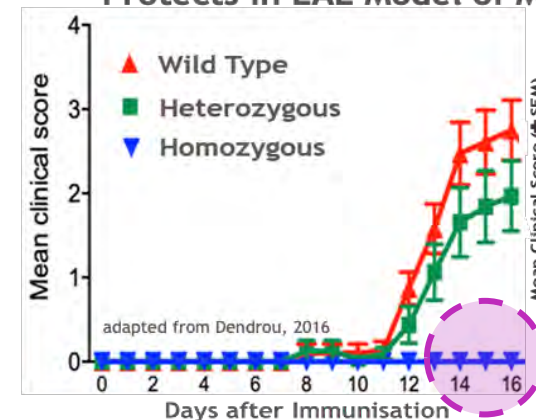
pSTAT3



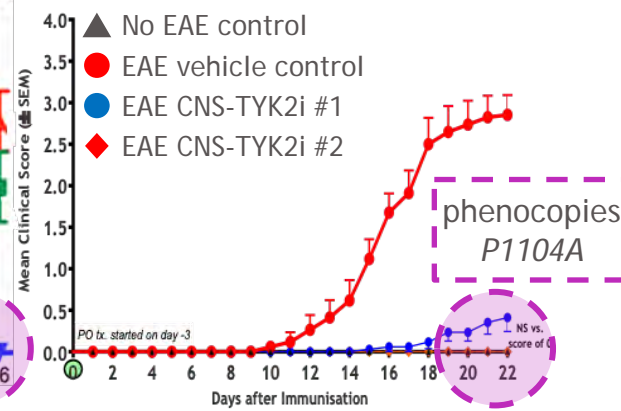
pSTAT3, an indicator of TYK2 activation, is increased in key inflammatory cells of the brain in multiple sclerosis[#].

Matching modality to mechanism

P1104A LoF TYK2 Variant Protects in EAE Model of MS



BMS TYK2i-CNS Phenocopies P1104A LoF in EAE



Path to clinical proof-of-concept

Achieve CNS drug exposure to inhibit CNS TYK2 by **at least 70%** consistent with pre-clinical data in the EAE mouse model (above) and quantitative systems pharmacology modeling of SOTYKTU in psoriasis and SLE.

Sci Transl Med 2016 Nov; 8(363): 363ra149

Research framework applied to Oncology builds on our scientific depth in immuno-oncology



Strategy:

Build a portfolio of foundational assets to address key **tumor intrinsic** and **tumor extrinsic** mechanisms, where **combinations** will be critical for **durable responses** with **transformational potential**.



We have deep expertise in tumor extrinsic biology



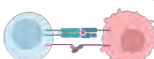
Only company with three approved T cell checkpoint inhibitors (CPIs)



Insights from translational datasets to guide the next-generation of transformational medicines

Tumor Extrinsic

Immune Checkpoints



Adaptive and Innate Immunity



Stroma



Neoantigens



Research framework applied to Oncology builds on our scientific depth in immuno-oncology



Strategy:

Build a portfolio of foundational assets to address key **tumor intrinsic** and **tumor extrinsic** mechanisms, where **combinations** will be critical for **durable responses** with **transformational potential**.



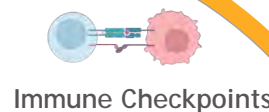
We have deep expertise in tumor extrinsic biology



Only company with three approved T cell checkpoint inhibitors (CPIs)



Insights from translational datasets to guide the next-generation of transformational medicines



Immune Checkpoints

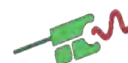
Adaptive and
Innate Immunity



Stroma



Neoantigens



Tumor Extrinsic

Next-gen T cell CPIs

Anti-CTLA4 next-gen, anti-TIGIT bi-specific, dual $\text{DGK}\alpha/\zeta$ inhibitor

Other immune cells

Tregs - anti-CCR8

Myeloid - anti-ILT4

NK cells - anti-NKG2A

Aberrant Stromal Biology

JNK inhibitor, TGF β inhibitor

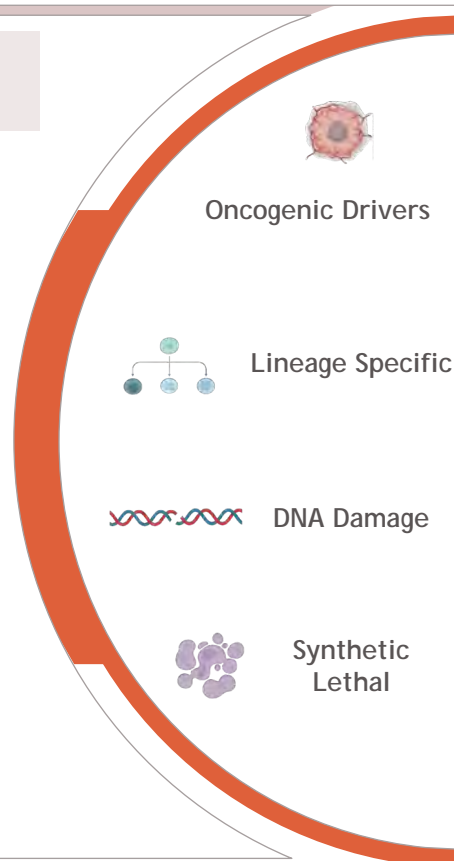
Research framework applied to Oncology builds on our scientific depth in tumor intrinsic mechanisms



Strategy:

Build a portfolio of foundational assets to address key **tumor intrinsic** and **tumor extrinsic** mechanisms, where **combinations** will be critical for **durable responses** with **transformational potential**.

Tumor Intrinsic



We have emerging expertise in tumor intrinsic biology



Clinical and pre-clinical programs targeted to specific tumor types and patient subsets



Insights from translational datasets demonstrate the relationship between tumor intrinsic and tumor extrinsic to guide rational combinations

Research framework applied to Oncology builds on our scientific depth in tumor intrinsic mechanisms



Strategy:

Build a portfolio of foundational assets to address key **tumor intrinsic** and **tumor extrinsic** mechanisms, where **combinations** will be critical for **durable responses** with **transformational potential**.

Tumor Intrinsic

Oncogenic Mechanisms

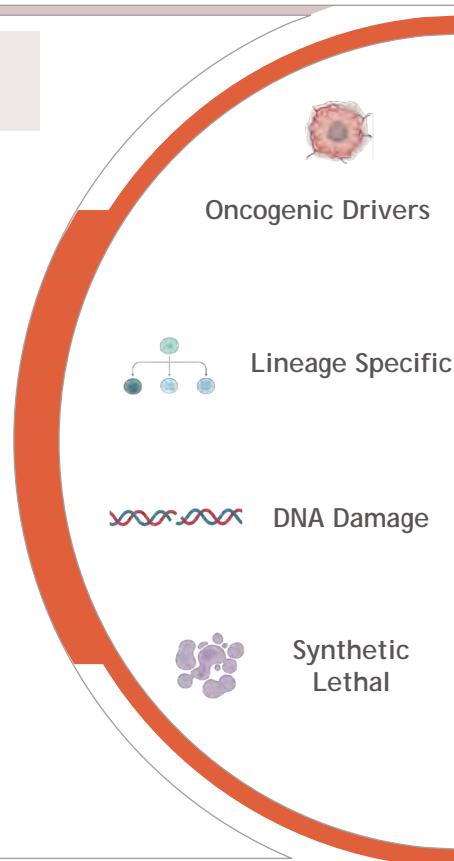
repotrectinib in ROS1+ lung cancer,
RAS signaling (SHP2 inhibitor)

Lineage-specific targets

AR LDD in prostate cancer,
anti-ganglioside fucosyl-GM1 in SCLC

Cancer cell vulnerabilities

Context specific dependencies (e.g.,
DNA damage), synthetic lethal
interactions



We have emerging expertise in tumor intrinsic biology



Emerging clinical and pre-clinical programs targeted to specific tumor types and patient subsets



Insights from translational datasets demonstrate the relationship between tumor intrinsic and tumor extrinsic to guide rational combinations

Research framework plus tumor intrinsic and extrinsic strategy will deliver productivity in Oncology



Causal
human biology



Matching modality
to mechanism



Path to clinical
proof-of-concept

Tumor Intrinsic

Oncogenic Mechanisms

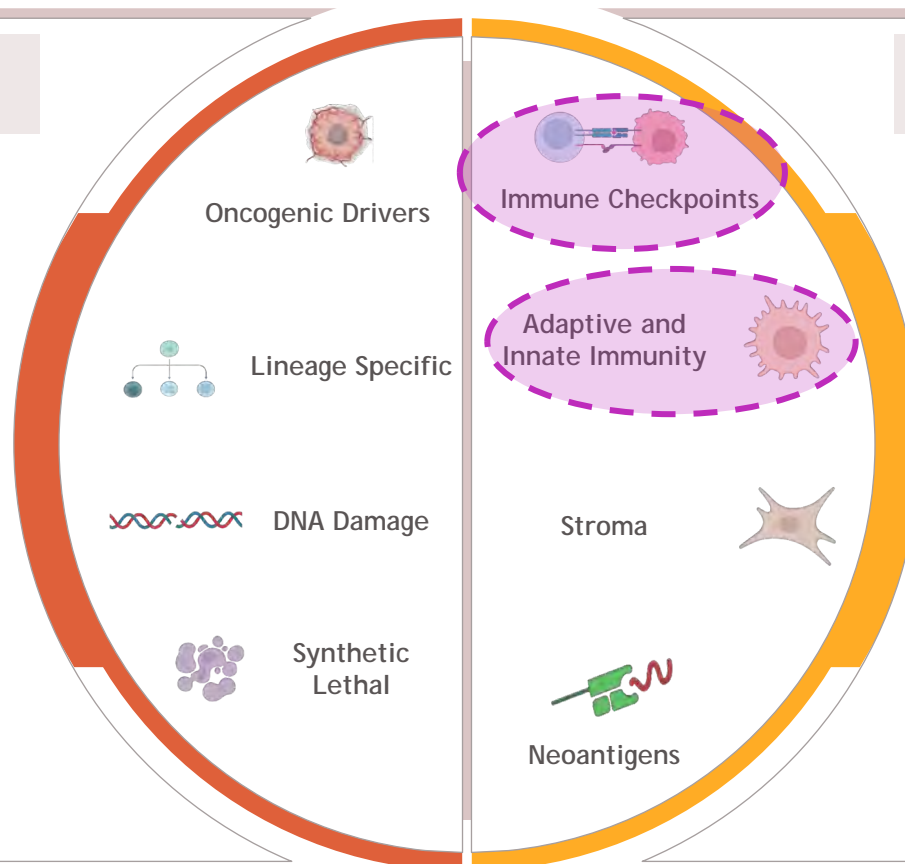
repotrectinib in ROS1+ lung cancer,
RAS signaling (SHP2 inhibitor)

Lineage-specific targets

AR LDD in prostate cancer,
anti-ganglioside fucosyl-GM1 in SCLC

Cancer cell vulnerabilities

Context specific dependencies (e.g.,
DNA damage), synthetic lethal
interactions



Tumor Extrinsic

Next-gen T cell CPIs

Anti-CTLA4 next-gen, anti-TIGIT bi-
specific, dual DGK α / ζ inhibitor

Other immune cells

Tregs - Anti-CCR8

Myeloid - Anti-ILT4

NK cells - Anti-NKG2A

Aberrant Stromal Biology

JNK inhibitor, TGFB inhibitor

Research framework in action: anti-CCR8 antibody depletes T regulatory cells (Tregs) with combination potential

Transformational potential

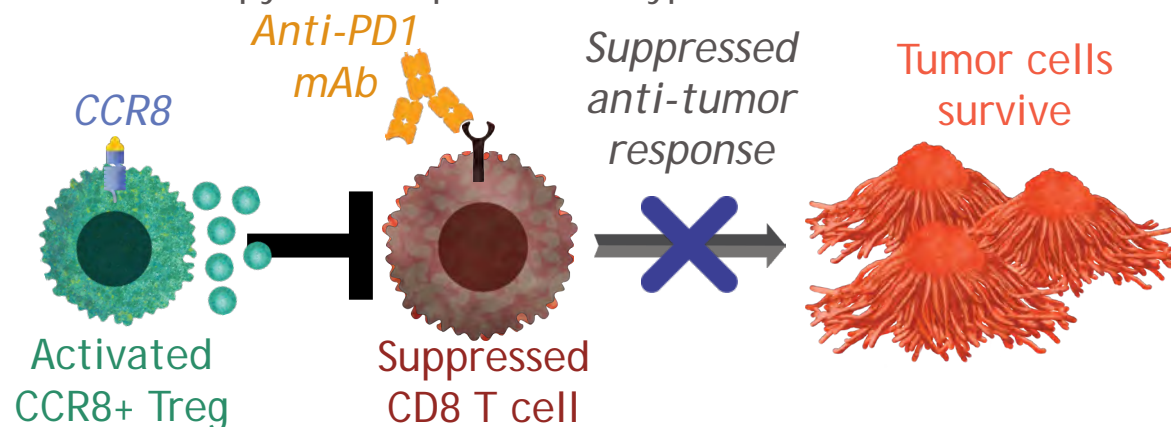
First-in-class, Treg-depleting monoclonal antibody (mAb) with broad combo potential across multiple tumor types.

Matching modality to mechanism

BMS-986340 is an anti-CCR8 IgG1 biologic with enhanced non-fucosylated (NF) Fc that binds CCR8 and potently depletes T regs while sparing effector CD8 T cells.

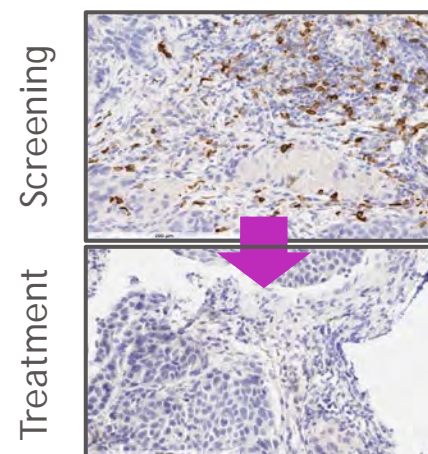
Causal human biology

Clinical trial translational data demonstrate CCR8+ regulatory T cells (T regs) are a major barrier to effective immune response to anti-PD1 therapy in multiple cancer types.

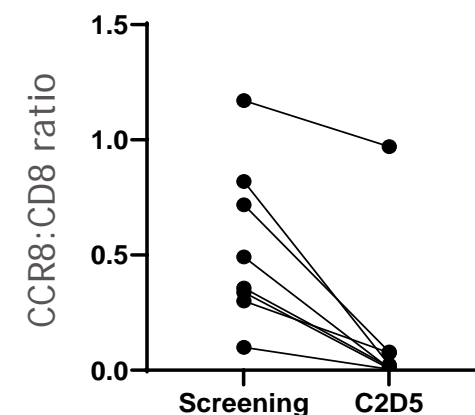


Path to clinical proof-of-concept

Depletion of CCR8+ Tregs in the tumor after 2 cycles



Reduced ratio CCR8 Treg to CD8+ Teff in the tumor



Research framework in action: anti-CCR8 antibody depletes T regulatory cells (Tregs) with combination potential

Transformational potential

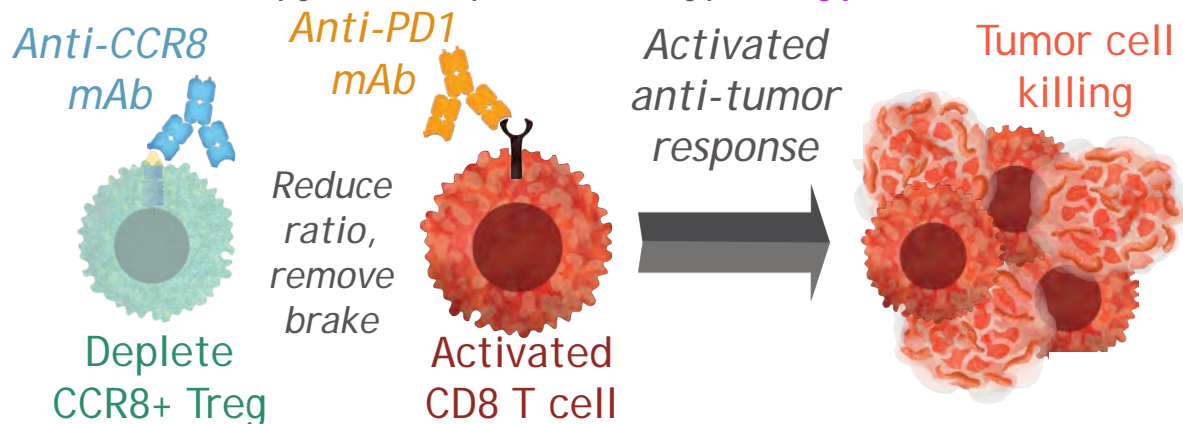
First-in-class, Treg-depleting monoclonal antibody (mAb) with broad combo potential across multiple tumor types.

Matching modality to mechanism

BMS-986340 is an anti-CCR8 IgG1 biologic with enhanced non-fucosylated (NF) Fc that binds CCR8 and potentially **depletes T regs** while **sparing effector CD8 T cells**.

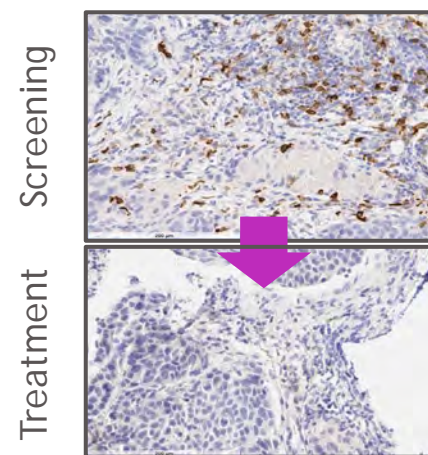
Causal human biology

Clinical trial translational data demonstrate CCR8+ regulatory T cells (T regs) are a major barrier to effective immune response to anti-PD1 therapy in multiple cancer types. **Hypothesis:**

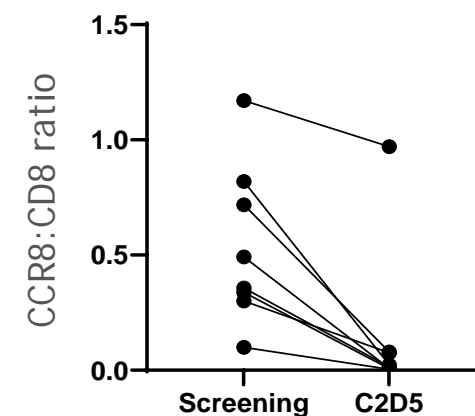


Path to clinical proof-of-concept

Depletion of CCR8+ Tregs in the tumor after 2 cycles



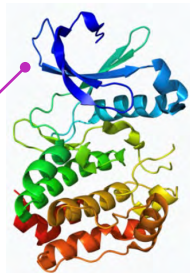
Reduced ratio CCR8 Treg to CD8+ Teff in the tumor



Matching modality to mechanism: Leveraging expertise across multiple modalities

Small molecule chemistry

Allosteric inhibitors



Active site inhibitors

AI-assisted screening



Biotherapeutics

Probody®
Therapeutic



Immune cell
engagers



Bi-specifics

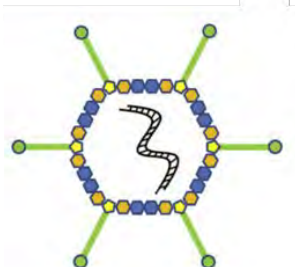
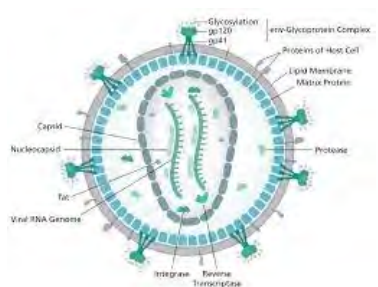


ADCs



Nucleic acid therapies

Lentivirus and AAV gene therapy

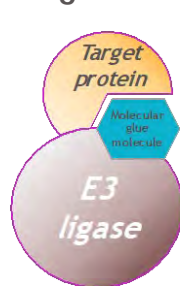


Established

Emerging

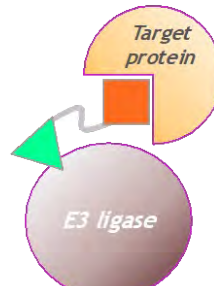
Targeted Protein Degradation

Molecular
glue



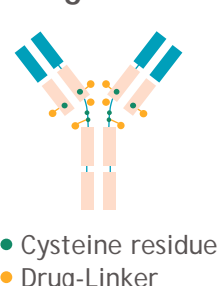
CELMoD

Hetero-
bifunctional



LDD

ADC
degrader

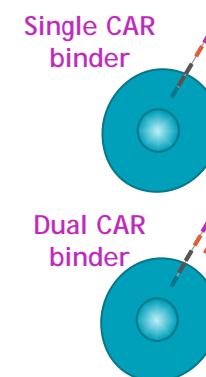


CELMoD ADC

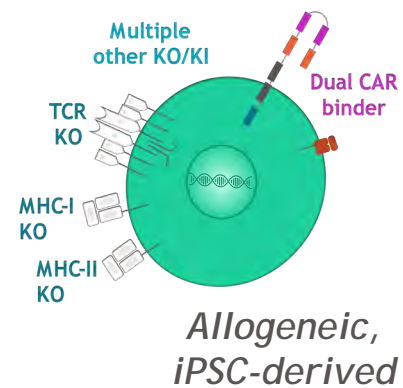
Discuss today

Cell Therapy

Autologous



Next-generation



Allogeneic,
iPSC-derived

Targeted Protein Degradation offers the promise of novel targets and clinical differentiation for existing targets



Expanded universe of targets

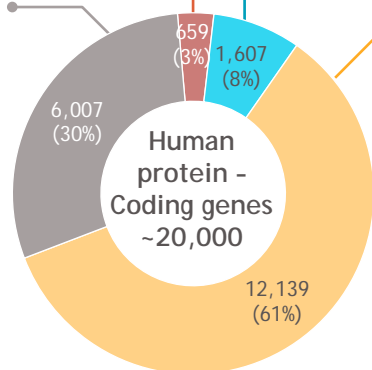
(e.g., scaffolding proteins, transcription factors)

Drugged: Target with approved drugs (3%)

Druggable: No approved drugs, but bind small molecules with high potency (8%)

"Dark Genome": No known disease association (30%)

Disease-relevant: No known potent binders, but implicated in disease (61%)



Small molecule enzyme inhibitor

Targeted Protein Degradation offers the promise of novel targets and clinical differentiation for existing targets



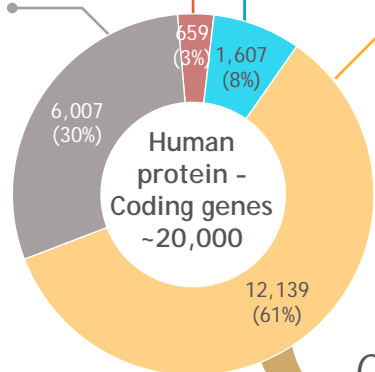
Expanded universe of targets

(e.g., scaffolding proteins, transcription factors)

Drugged: Target with approved drugs (3%)

Druggable: No approved drugs, but bind small molecules with high potency (8%)

"Dark Genome": No known disease association (30%)

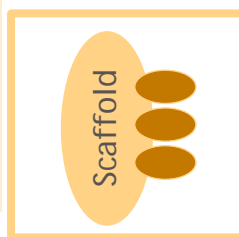


Disease-relevant: No known potent binders, but implicated in disease (61%)

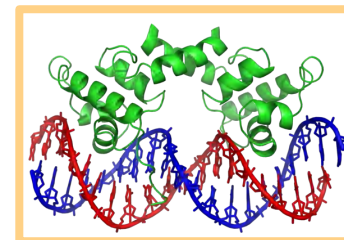
Opportunity for TPD



Small molecule enzyme inhibitor



Scaffold protein



Transcription factor

Targeted Protein Degradation offers the promise of novel targets and clinical differentiation for existing targets



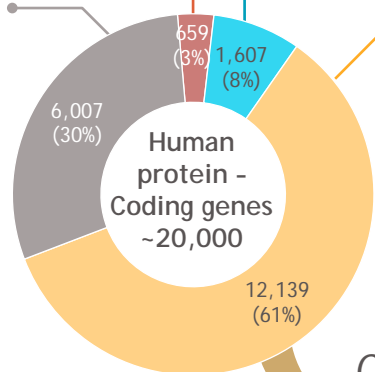
Expanded universe of targets

(e.g., scaffolding proteins, transcription factors)

Drugged: Target with approved drugs (3%)

Druggable: No approved drugs, but bind small molecules with high potency (8%)

"Dark Genome": No known disease association (30%)

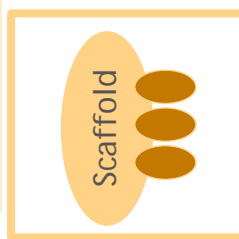


Disease-relevant: No known potent binders, but implicated in disease (61%)

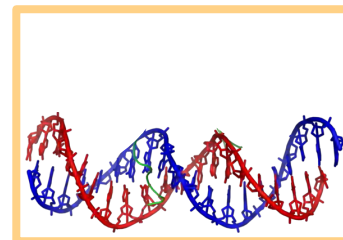
Opportunity for TPD



Small molecule enzyme inhibitor



Scaffold protein



Transcription factor

Targeted Protein Degradation offers the promise of novel targets and clinical differentiation for existing targets



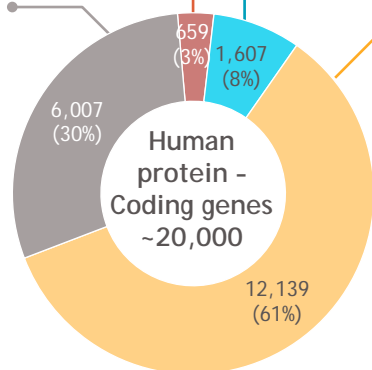
Expanded universe of targets

(e.g., scaffolding proteins, transcription factors)

Drugged: Target with approved drugs (3%)

Druggable: No approved drugs, but bind small molecules with high potency (8%)

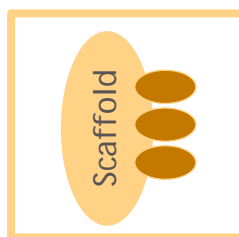
"Dark Genome": No known disease association (30%)



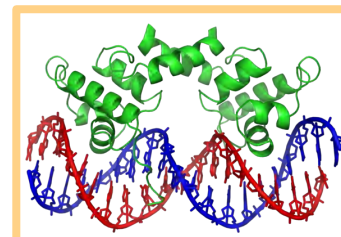
Disease-relevant: No known potent binders, but implicated in disease (61%)



Small molecule enzyme inhibitor



Scaffold protein



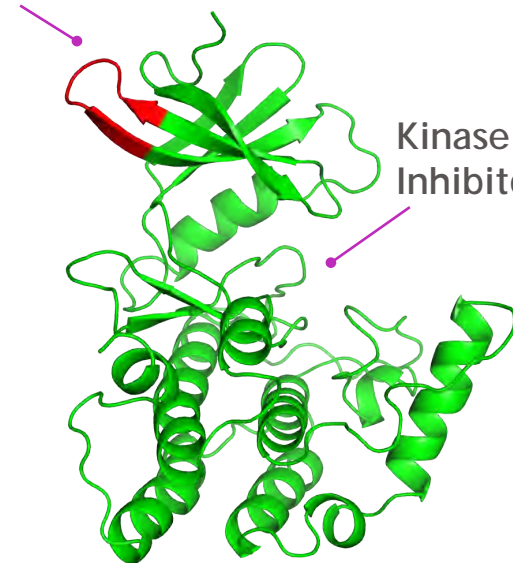
Transcription factor



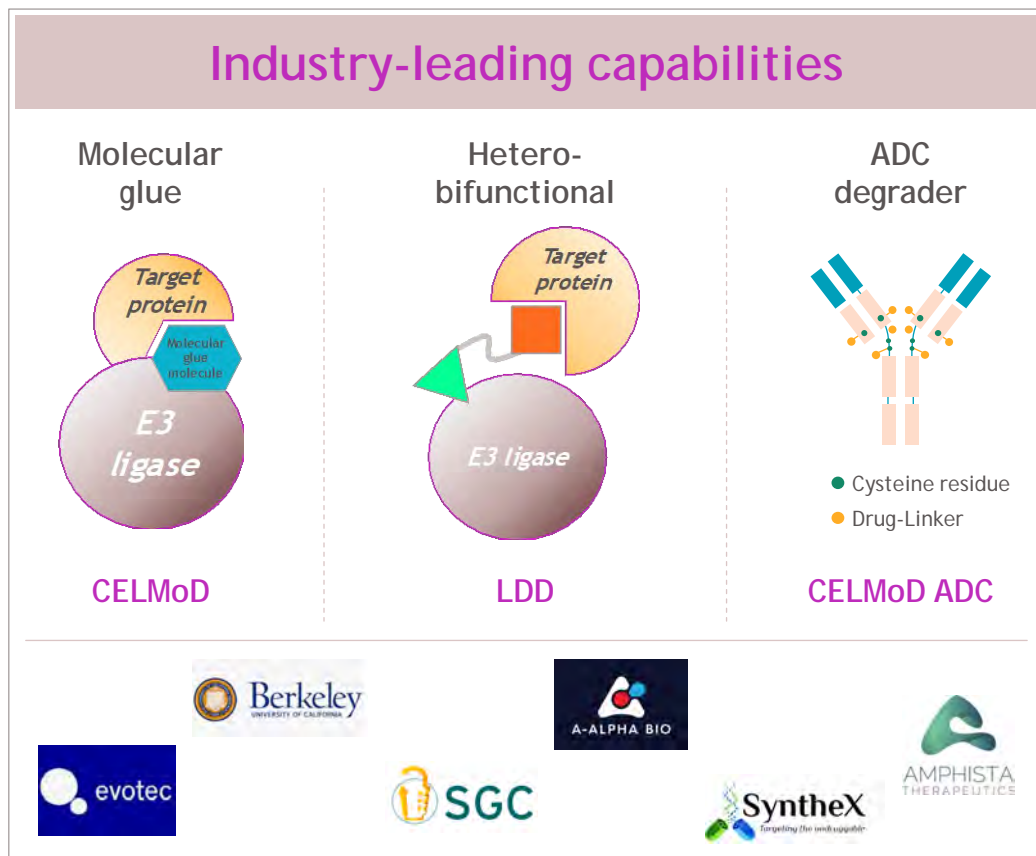
Potentially superior efficacy

(e.g., overcome resistance, higher selectivity)

CELMoD



Our industry leading position in protein degradation is driven by portfolio breadth and depth of expertise

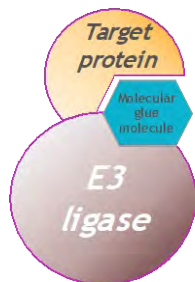


Our industry leading position in protein degradation is driven by portfolio breadth and depth of expertise

Discuss today

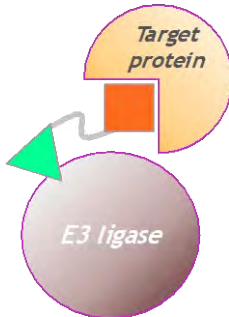
Industry-leading capabilities

Molecular glue



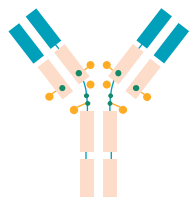
CELMoD

Hetero-bifunctional



LDD

ADC degrader



● Cysteine residue
● Drug-Linker

CELMoD ADC



Industry-leading pipeline

Full Development

iberdomide:
Multiple Myeloma

mezigdomide:
Multiple Myeloma

golcadomide:
Lymphoma

Early Development

CK1α:
Acute Myeloid Leukemia

AR LDD:
Prostate

BCL6 LDD:
Lymphoma

Helios:
Solid Tumors

IND-enabling studies

HbF CELMoD:
Sickle Cell Disease

LDD:
Prostate

CELMoD
Solid Tumors

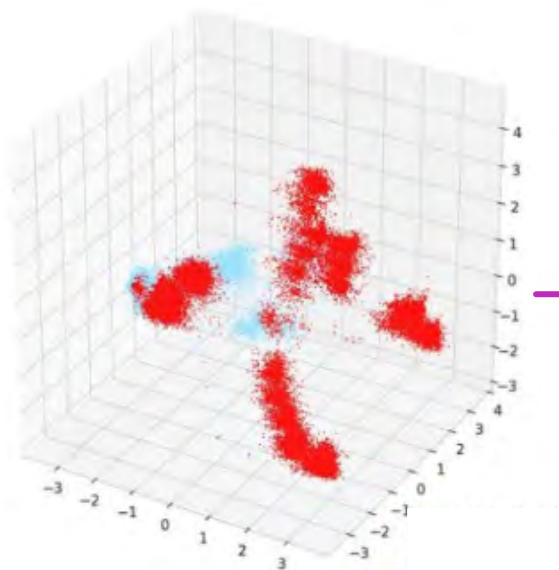
LDD:
Autoimmune

>15 pre-clinical programs across multiple therapeutic areas

Potential to efficiently deliver ~4 INDs annually and expand beyond Heme/Onc targets (Immunology, CV, Neuroscience)

The swift expansion of our CELMoD library has enabled key scientific insights and an increased number of IND candidates

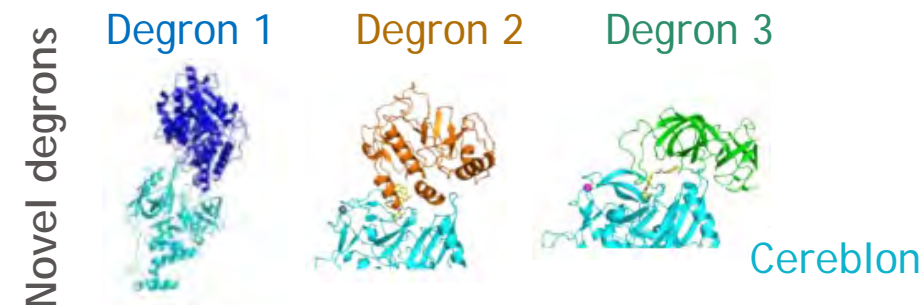
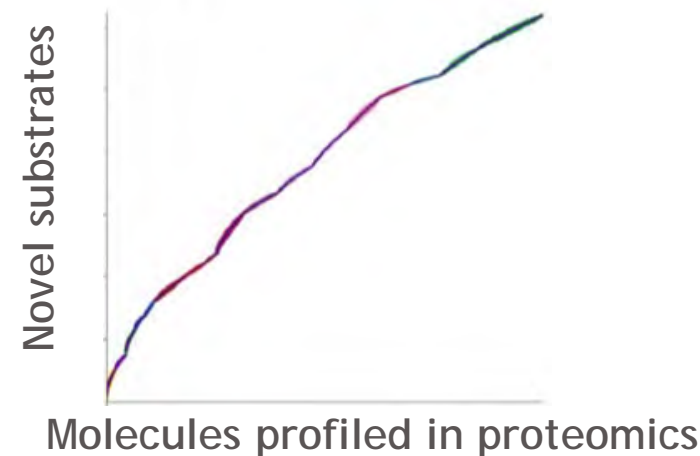
Diversify chemical library



■ CELMoD library 2019

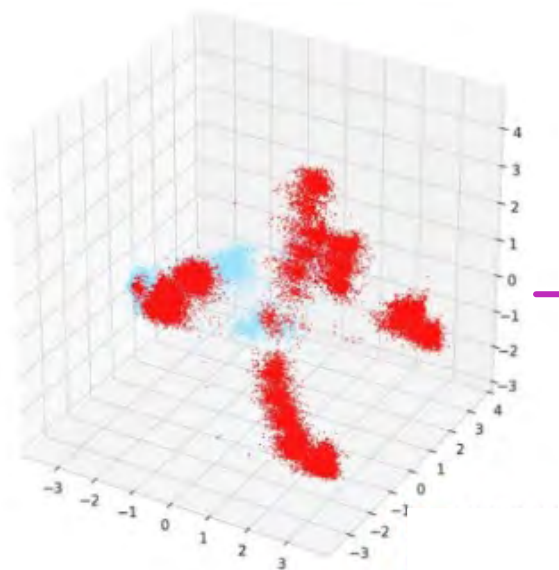
■ CELMoD library 2023

Expanding CELMoD library identifies novel substrates and novel degrons



The swift expansion of our CELMoD library has enabled key scientific insights and an increased number of IND candidates

Diversify chemical library

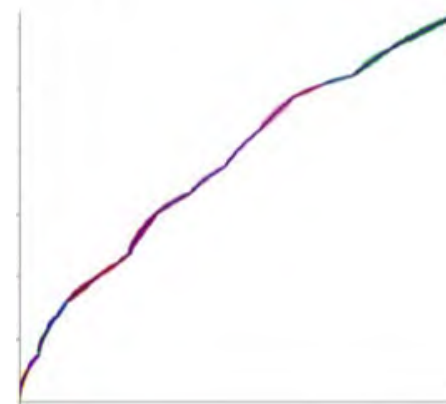


CELMoD library 2019

CELMoD library 2023

Expanding CELMoD library identifies novel substrates and novel degrons

Novel substrates



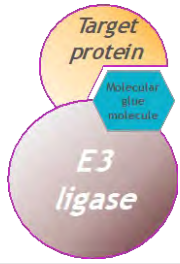
Molecules profiled in proteomics

Novel degrons



Causal human biology

10 CELMoDs for Oncology in full discovery & IND enabling studies



Targeting the previously undruggable: A novel CELMoD for Sickle Cell Disease

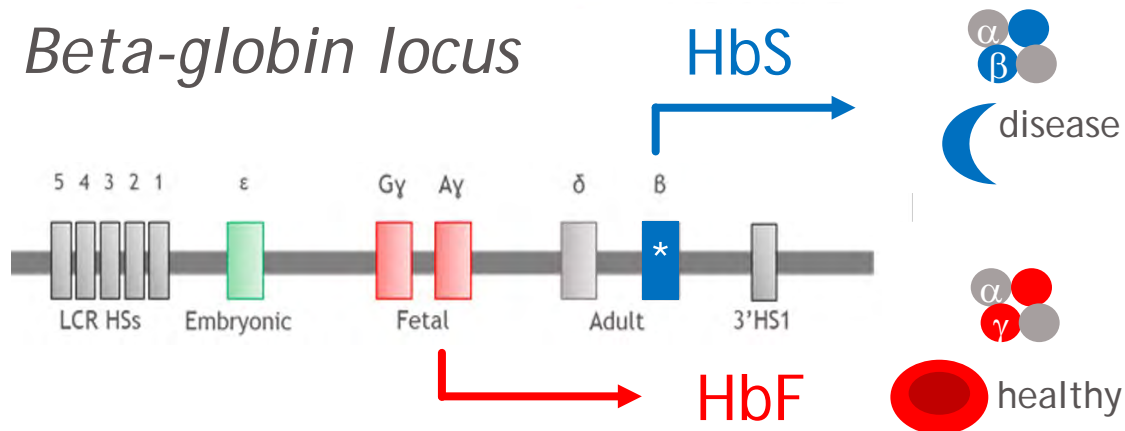
Transformational potential

Oral small molecule that increases fetal hemoglobin to functionally cure sickle cell anemia (e.g., eliminate pain crisis, prevent long term organ damage).

Causal human biology

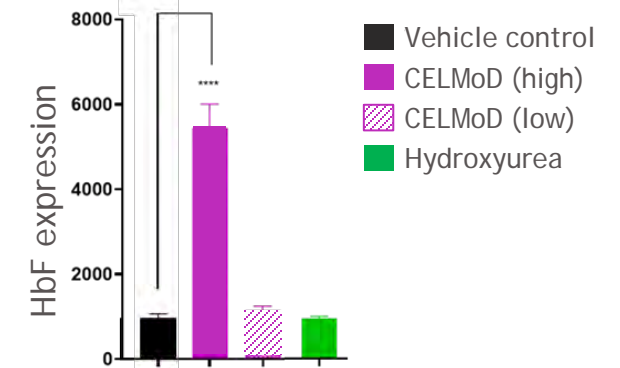
Genetically validated targets that lead to persistence of fetal hemoglobin (HbF) are associated with improved clinical outcomes in patients with sickle cell anemia.

Beta-globin locus

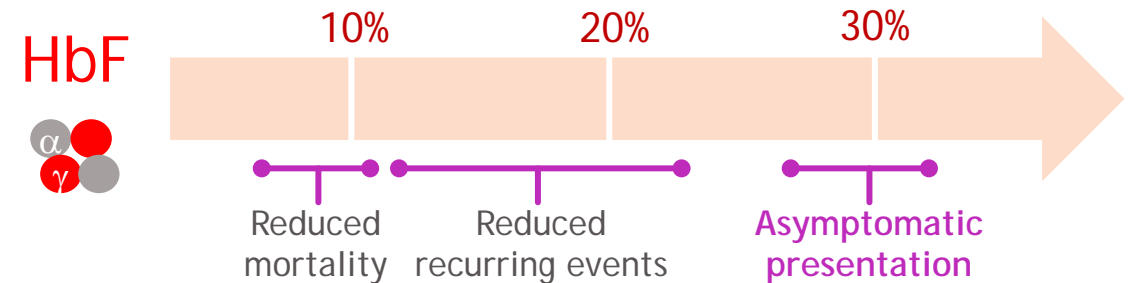


Matching modality to mechanism

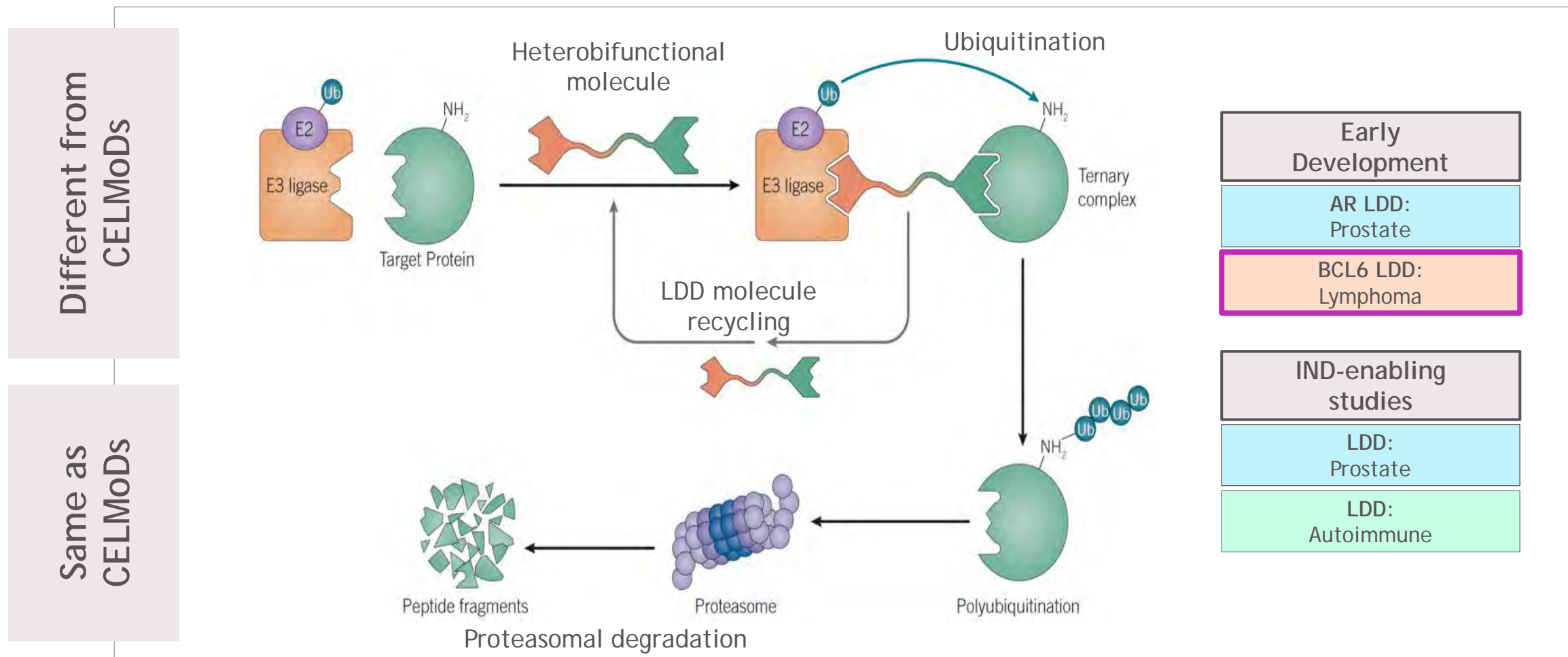
Through our CELMoD proteomics initiative, we have identified CELMoDs that degrade HbF genetic targets and increase HbF in pre-clinical models.

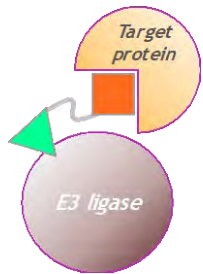


Path to clinical proof-of-concept



Ligand directed degraders (LDD) complement CELMoDs in our approach to Targeted Protein Degradation





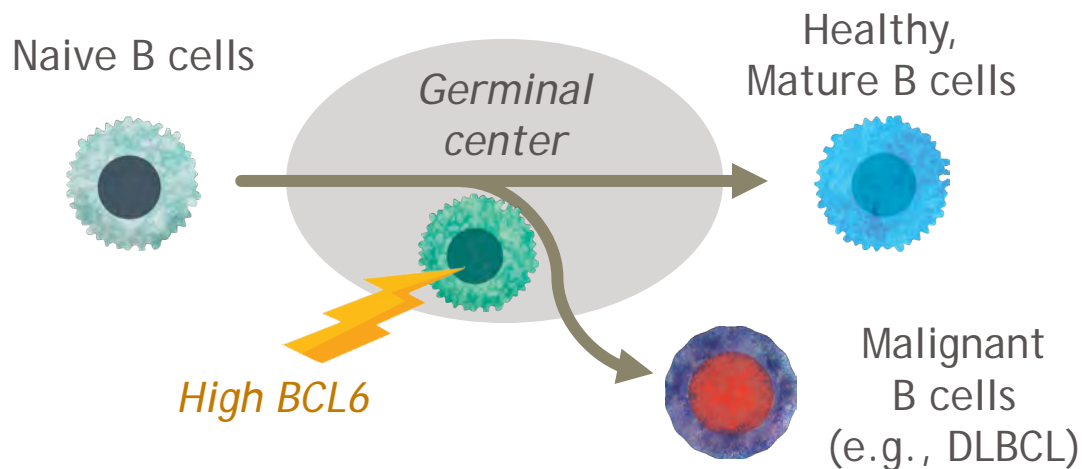
BMS-986458 is a novel ligand directed degrader (LDD) targeting BCL6 in lymphoma

Transformational potential

Oral small molecule medicine to treat B cell lymphomas driven by abnormalities in BCL6 signaling pathway.

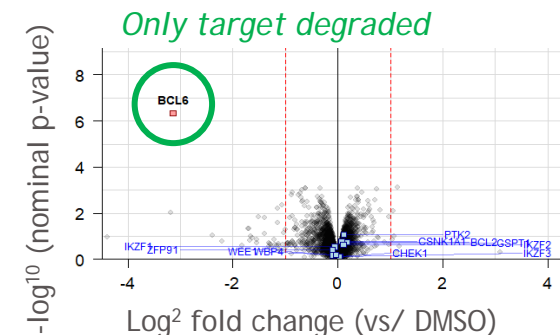
Causal human biology

Gain-of-function somatic *BCL6* mutations lead to B cell lymphomas and deletion of *BCL6* prevents B cell maturation.



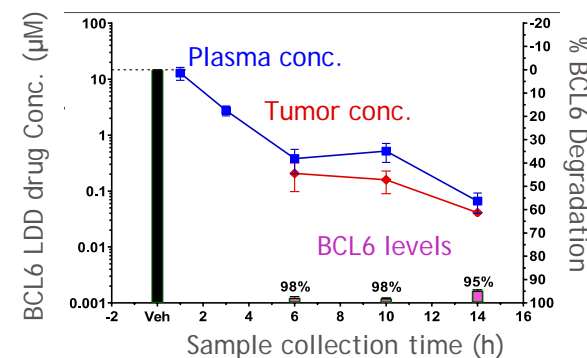
Matching modality to mechanism

We created a BCL6 LDD that has exquisite selectivity relative to the human proteome

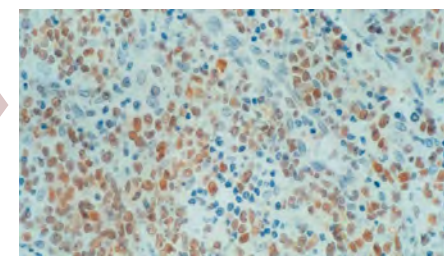


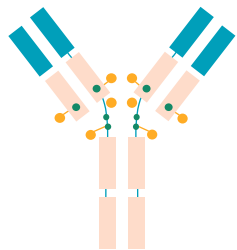
Path to clinical proof-of-concept

Correlate BCL6 degradation with clinical benefit



BCL6 IHC high expression in ~30% DLBCL



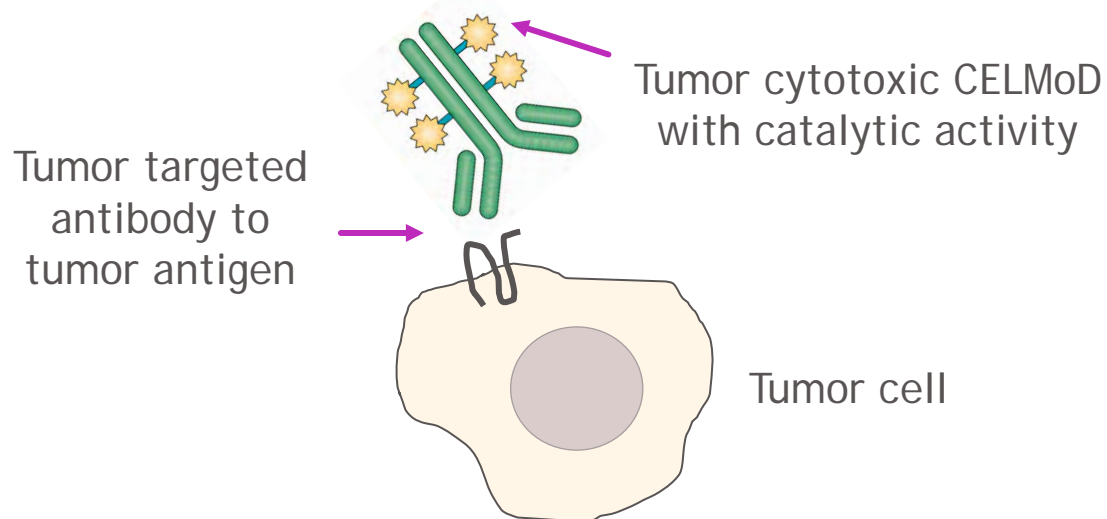


A new frontier: CELMoD ADCs to improve efficacy and safety in hematology/solid tumors

Causal human biology

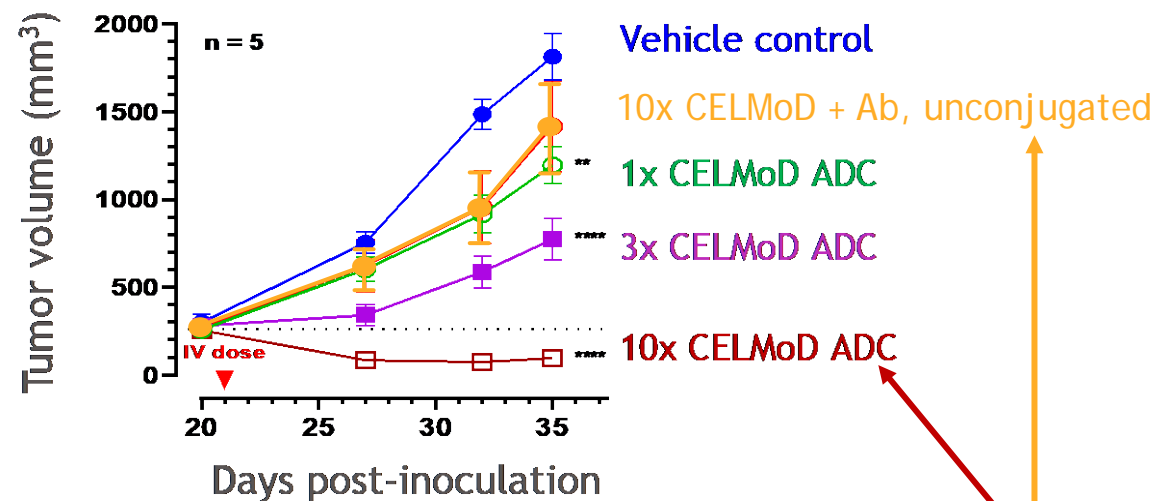
Combine a *clinically validated* tumor targeted antibody with a *clinically validated* tumor cell-biased CELMoD to enhance efficacy and tolerability in hematology/solid tumors

Matching modality to mechanism



Path to clinical proof-of-concept

Enhanced efficacy of ADC at lower levels of administered CELMoD

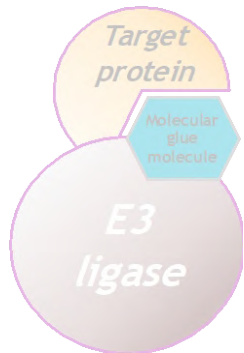


ADC vs unconjugated components

Targeted Protein Degradation and Cell Therapy: Two differentiated platforms for optimizing therapies for patients

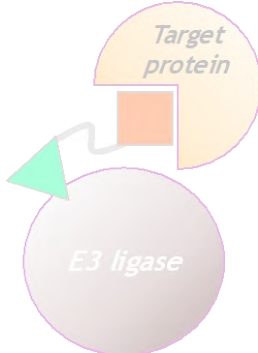
Targeted Protein Degradation

Molecular glue



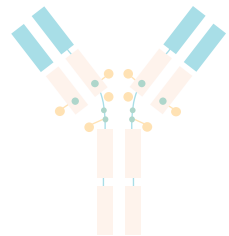
CELMoD

Hetero-bifunctional



LDD

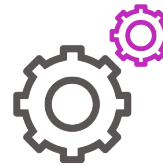
ADC degrader



● Cysteine residue
● Drug-Linker

CELMoD ADC

Matching modality to mechanism

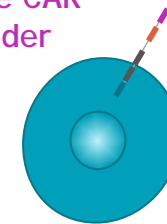


Invention of high-quality therapeutics that match a modality to a molecular mechanism of action

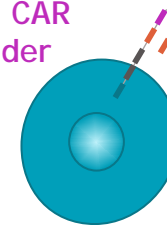
Cell Therapy

Autologous

Single CAR binder



Dual CAR binder

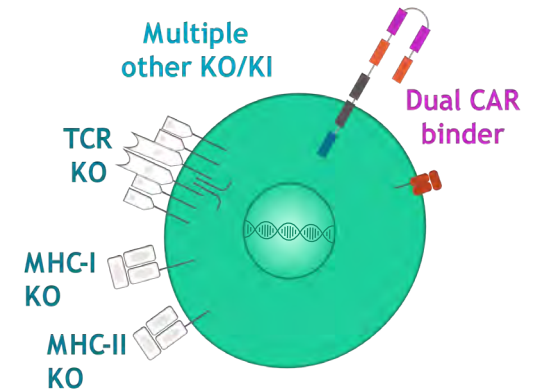


Next-generation

Multiple other KO/KI

TCR KO
MHC-I KO
MHC-II KO

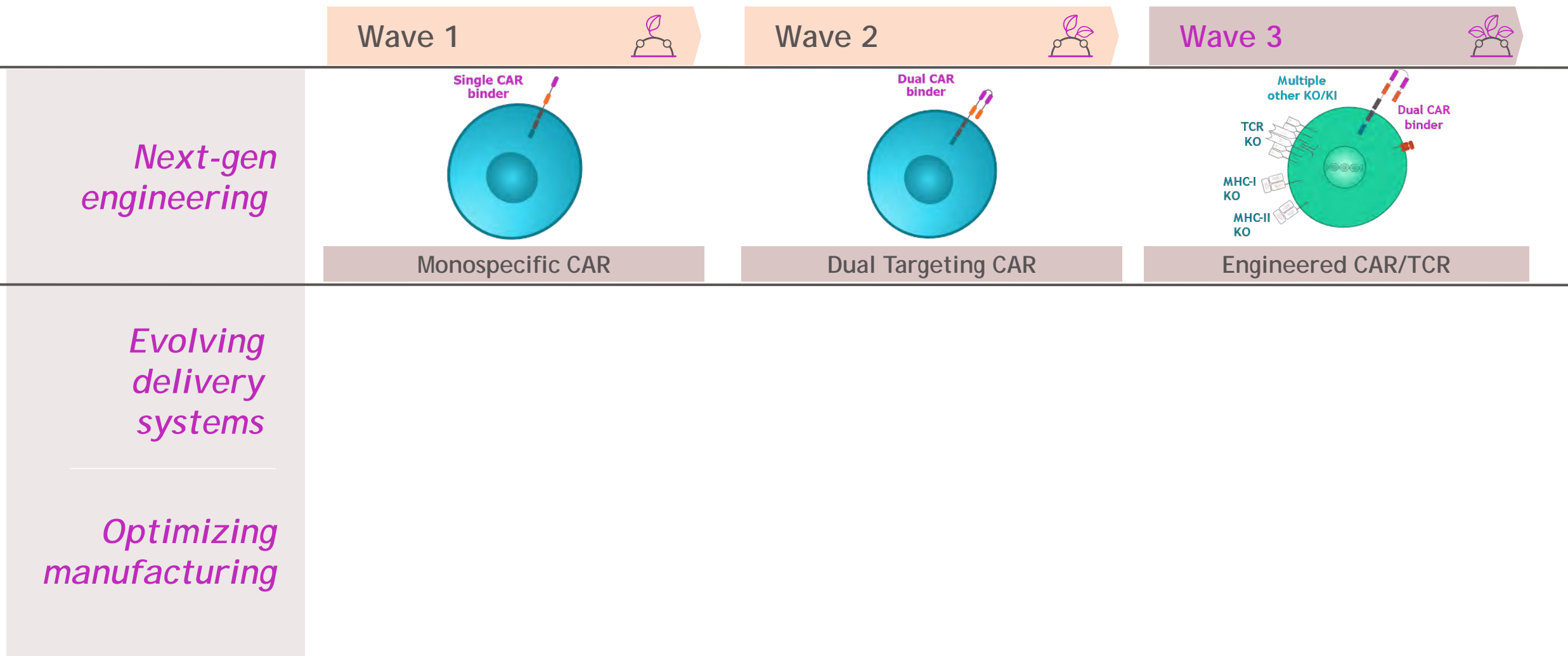
Dual CAR binder



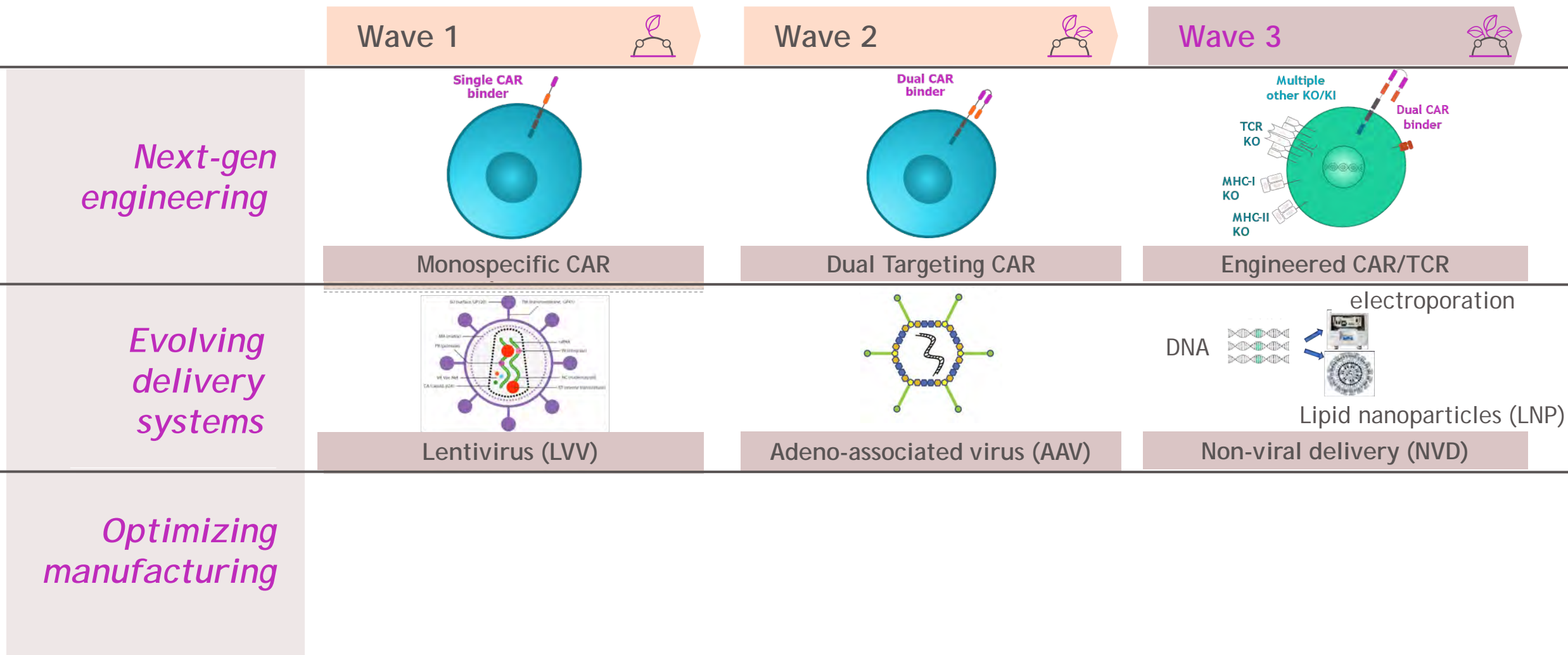
Allogeneic, iPSC-derived

These two platforms unlock novel targets and mechanisms to efficiently deliver INDs with the potential to improve the lives of patients




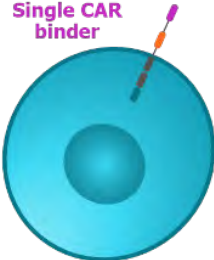
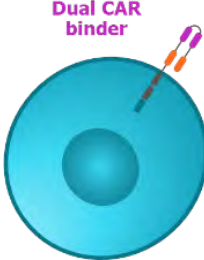
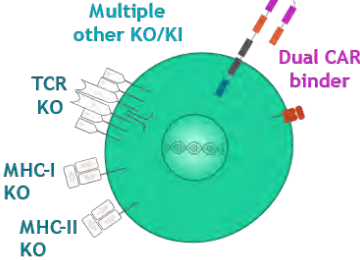
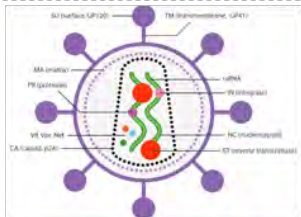
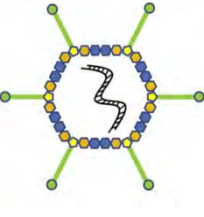
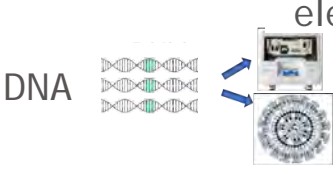

We are leveraging expertise to enable expansion beyond Hematology while increasing manufacturing efficiency



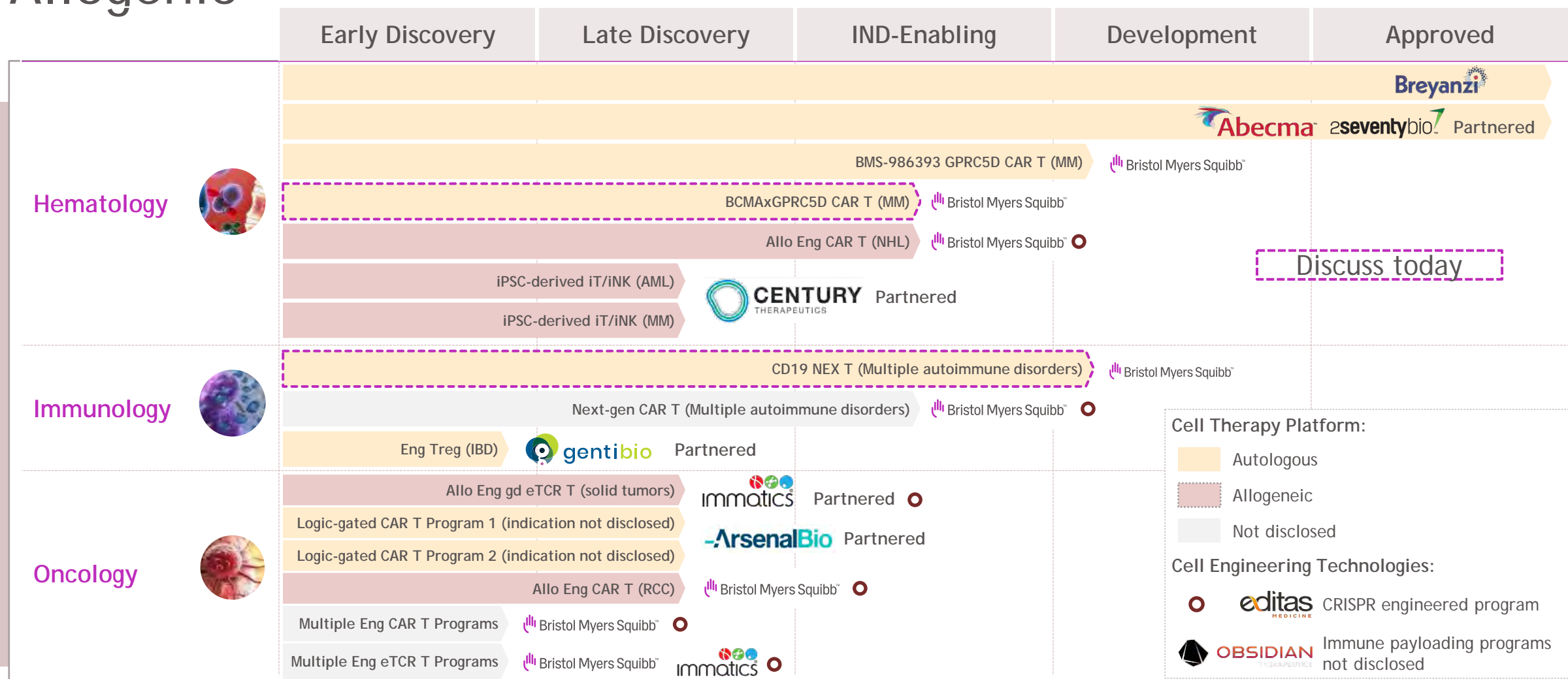
We are leveraging expertise to enable expansion beyond Hematology while increasing manufacturing efficiency



We are leveraging expertise to enable expansion beyond Hematology while increasing manufacturing efficiency

	Wave 1 	Wave 2 	Wave 3 
Next-gen engineering	 <p>Single CAR binder</p> <p>Monospecific CAR</p>	 <p>Dual CAR binder</p> <p>Dual Targeting CAR</p>	 <p>Multiple other KO/KI</p> <p>TCR KO</p> <p>MHC-I KO</p> <p>MHC-II KO</p> <p>Dual CAR binder</p> <p>Engineered CAR/TCR</p>
Evolving delivery systems	 <p>Lentivirus (LVV)</p>	 <p>Adeno-associated virus (AAV)</p>	<p>DNA</p>  <p>electroporation</p> <p>Lipid nanoparticles (LNP)</p> <p>Non-viral delivery (NVD)</p>
Optimizing manufacturing	<p>Autologous</p> <p>Breyanzi </p> <p>α/β T cells</p>	<p>Autologous</p> <p>NEX T platform</p> <p>α/β T cells</p>	<p>Allogeneic</p> <p>Healthy donor or iPSC</p> <p>α/β or γ/δ T cells, iNK/iT cells</p>

Next-gen Cell Therapy pipeline: Oncology, Immunology, and Allogenic





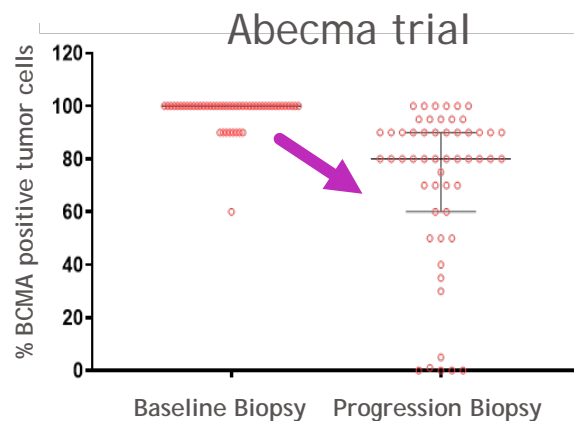
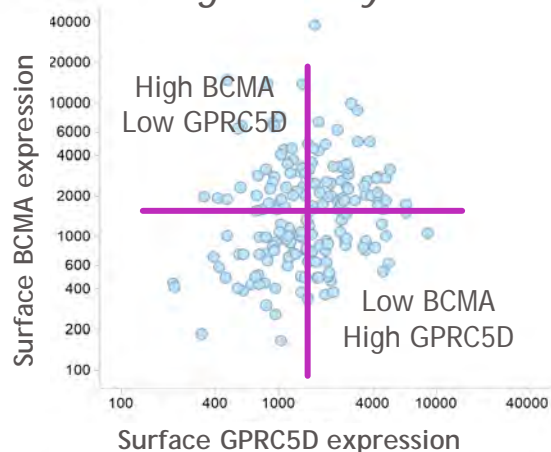
Dual targeting BCMAxGPRC5D CAR T for relapsed/refractory multiple myeloma

Transformational potential

Primary and secondary non-response to standard of care therapies remains an unmet medical need in MM.

Causal human biology

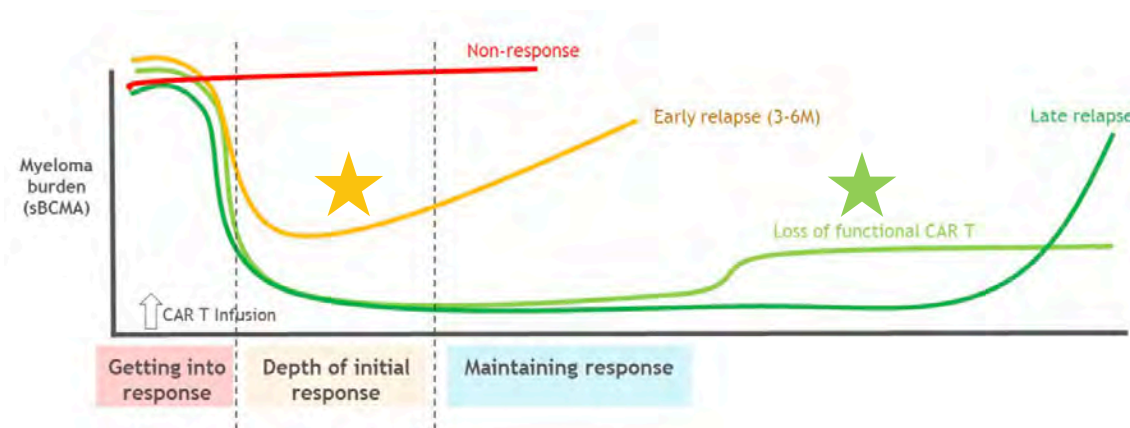
- BCMA and GPRC5D are clinically validated targets *independently* expressed in multiple myeloma
- Antigen heterogeneity and clonal evolution are factors *limiting efficacy* of BCMA CAR T in multiple myeloma



Matching modality to mechanism

- Optimized bispecific construct to overcome intra- and inter-patient antigen variability/heterogeneity and maintain functionality in cases of low BCMA
- Optimized manufacturing to develop at scale process improving product quality and manufacturing failures

Path to clinical proof-of-concept





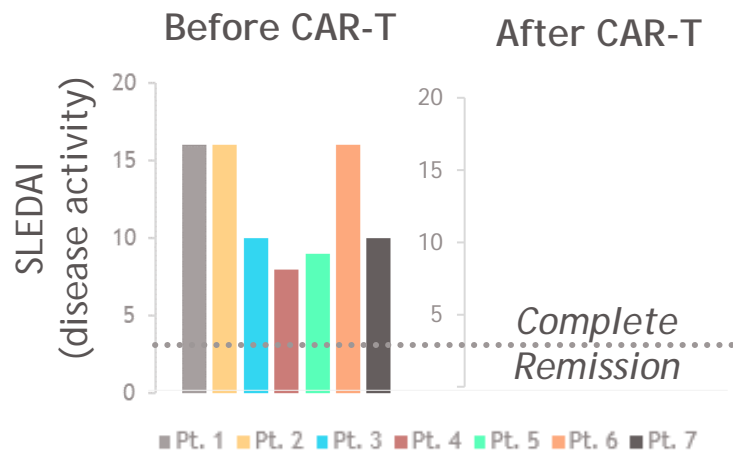
CD19 NEX T to reset the immune system in multiple Immunology indications

Transformational potential

Sequential immunotherapy offers the potential for a **functional cure** in autoimmunity: 1: Control inflammation; 2: Reset immune memory; 3: Promote homeostasis and repair

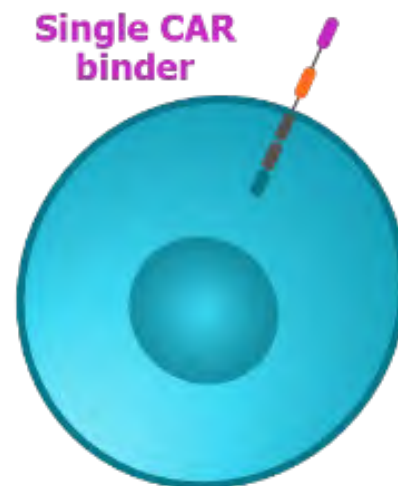
Causal human biology

Academic study of CD19 CAR-T demonstrates B cell **memory reset** and functional cure in SLE.



Adapted from Taubmann, J., et al EULAR (2023): 93-94

Matching modality to mechanism



Chimeric antigen receptor (CAR): CD19 and intracellular domains same as Breyanzi

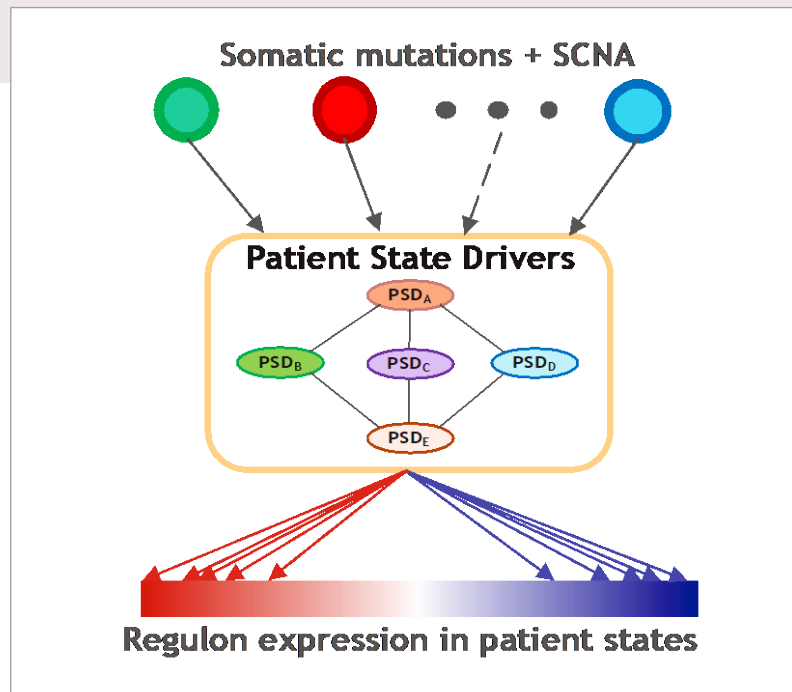
Manufacturing: autologous, single train with shortened turn-around time, lower failure rates

Path to clinical proof-of-concept

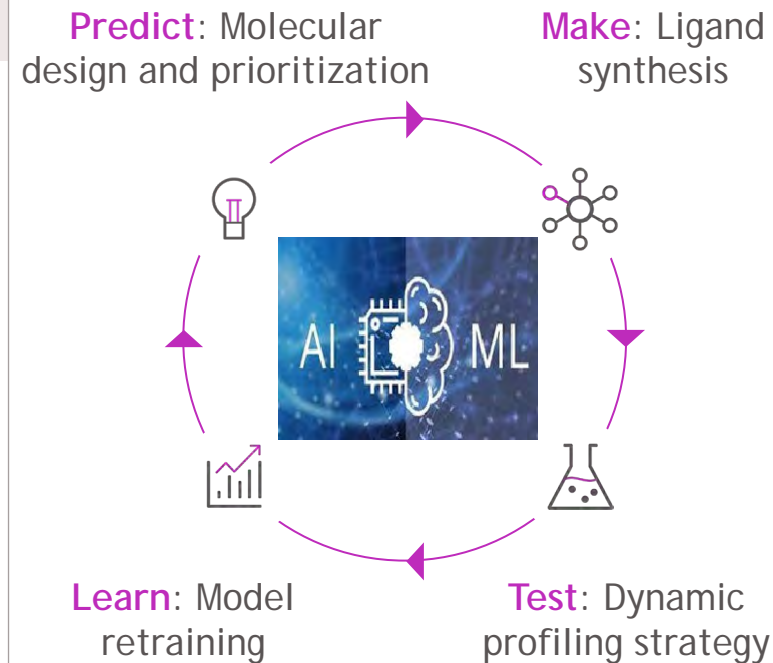
- Expand on findings from academic study in SLE
- Monitor biomarker predictors of cell therapy safety and efficacy
- Demonstrate evidence of resetting immune memory

Computational science, including Artificial Intelligence and Machine Learning, is applied at all stages of Research

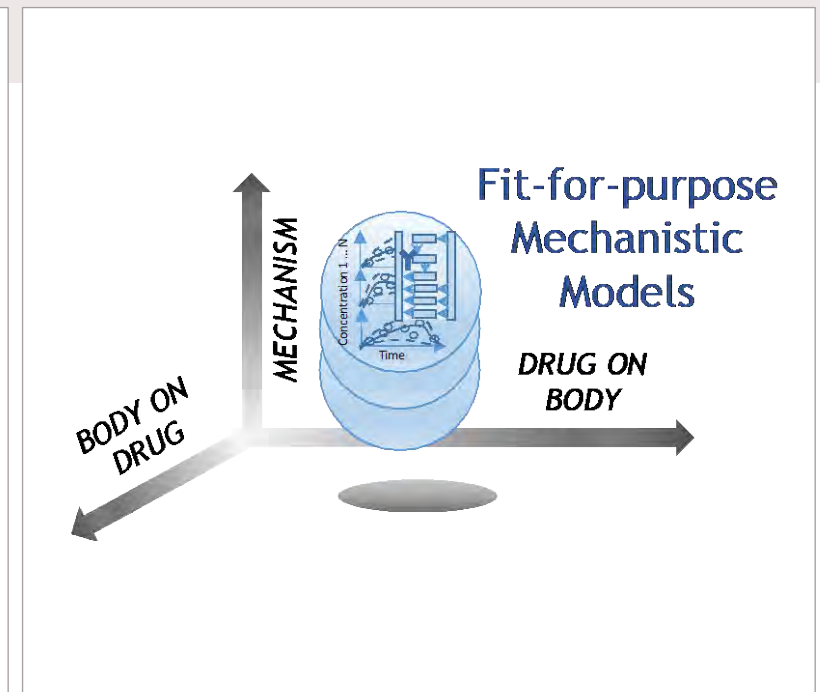
Leverage **patient data** and **predictive analytics** to define causal human biology



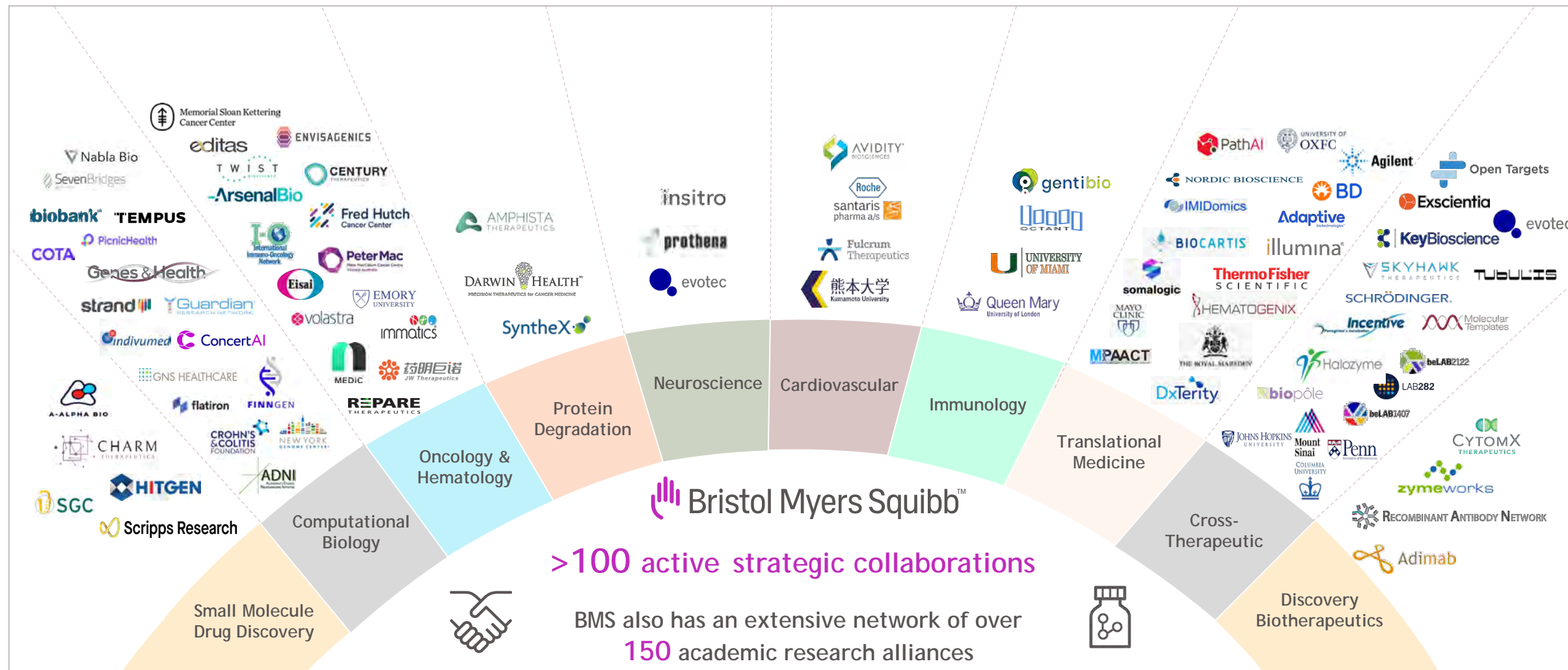
Utilize computational power for **predictive molecule invention** to improve quality and accelerate timelines



Build **mechanistic models** to address specific problems to increase success and accelerate timelines in the clinic



Internal R&D strengths are amplified through extensive network of external partnerships



We have the right strategy at the right time to develop transformational medicines & change patients' lives

Path to improve R&D productivity



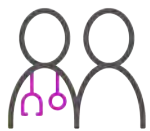
Causal human biology

Use of human data for rigorous target validation in drug discovery



Matching modality to mechanism

Diverse portfolio of modalities supplemented with AI and ML



Path to clinical proof-of-concept

Enable mechanistic models for dose, schedule, and patient selection

Build on our strength in five core therapeutic areas

Diverse modalities, including Targeted Protein Degradation and Cell Therapy

All enabled by translational insights, computational science and BD partnerships

- Increase number of INDs with transformational potential
- Increase success in clinical development

Program will reconvene following a short break



(10 min)

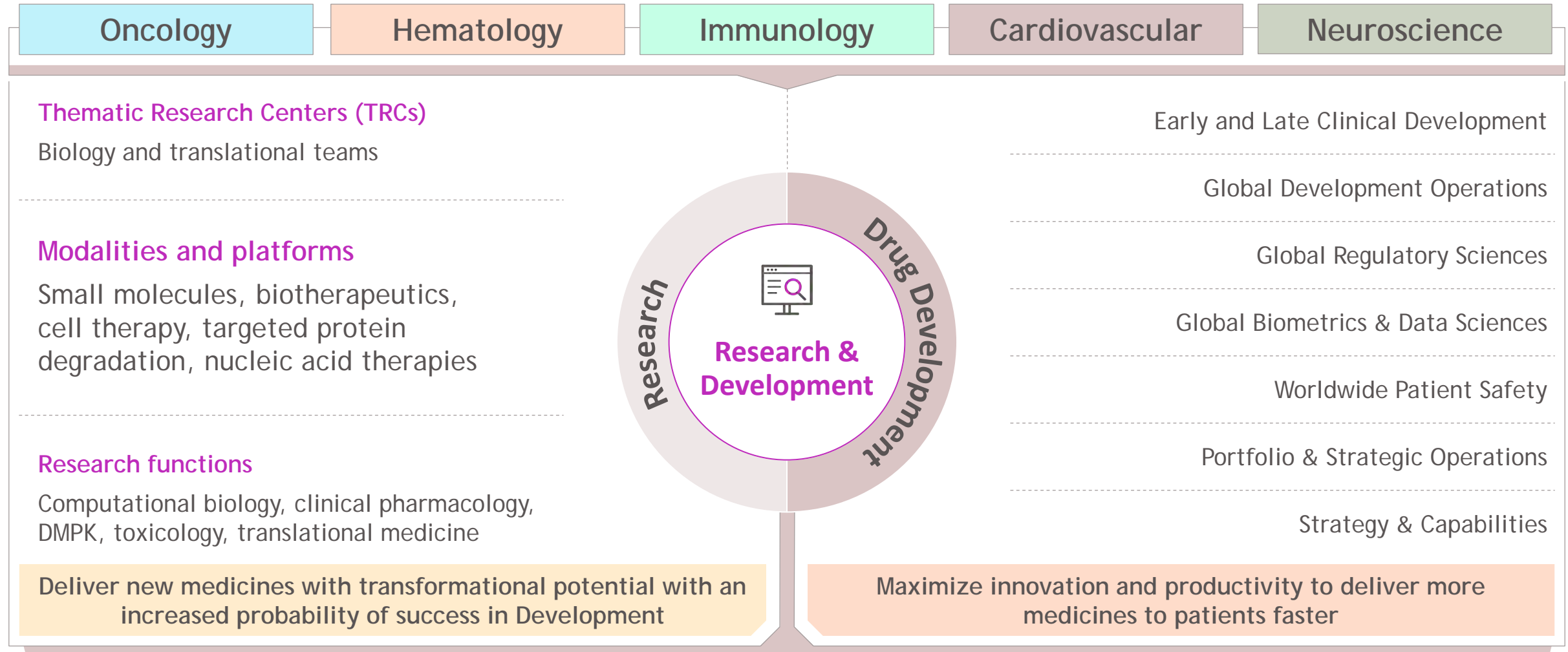
Accelerating our deep development pipeline



Samit Hirawat, MD

EVP, Chief Medical Officer, Drug Development

An integrated approach to research & development



BMS Pipeline



Data as of September 14th, 2023

	Oncology			Hematology		Immunology		Cardiovascular	Neuroscience
Phase 1	✦ AHR Antagonist* [^] <i>Solid Tumors</i>	✦ Claudin 18.2 ADC <i>Solid Tumors</i>	✦ SHP2 Inhibitor [^] <i>Solid Tumors</i>	✦ alnuctamab <i>RR MM</i>	✦ BET Inhibitor (BMS-986378) [^] <i>RR NHL</i>	✦ Anti-CD40 <i>Autoimmune Disease</i>	✦ IL2-CD25 <i>Autoimmune Disease</i>	✦ FXIa Inhibitor <i>Thrombotic Disorders</i>	✦ Anti-MTBR-Tau <i>Alzheimer's Disease</i>
	✦ Anti-CCR8 [^] <i>Solid Tumors</i>	✦ DGK Inhibitor <i>Solid Tumors</i>	✦ TGFβ Inhibitor [^] <i>Solid Tumors</i>	✦ Anti-SIRPα <i>Hematologic Malignancies</i>	✦ CK1α Degradar <i>Hematologic Malignancies</i>	afimotoran <i>CLE</i>	✦ PKCθ Inhibitor <i>Autoimmune Disease</i>		✦ eIF2b Activator <i>Neuroscience</i>
	✦ Anti-ILT4 [^] <i>Solid Tumors</i>	✦ JNK Inhibitor <i>Solid Tumors</i>	✦ TIGIT Bispecific <i>Solid Tumors</i>	✦ BCMA NKE <i>RR MM</i>	✦ GPRC5D CAR T <i>RR MM</i>	✦ CD19 NEX T <i>Severe Refractory SLE</i>			✦ FAAH/MGLL Dual Inhibitor <i>Neuroscience</i>
	✦ Anti-NKG2A [^] <i>Solid Tumors</i>	✦ Helios CELMoD <i>Solid Tumors</i>		✦ BCL6 LDD <i>Lymphoma</i>	golcadomide [^] <i>1L DLBCL</i>				✦ BTK Inhibitor <i>Neuroscience</i>
	✦ AR LDD <i>1L, 2L mCRPC</i>	✦ MAGEA4/8 TCER* <i>Solid Tumors</i>		BET Inhibitor (BMS-986158) <i>Hematologic Malignancies</i>	✦ CD33 NKE <i>RR MM</i>				
Phase 2	✦ Anti-CTLA-4 NF Probody® <i>Solid Tumors</i>	✦ farletuzumab ecteribulin <i>Solid Tumors</i>	✦ repotrectinib <i>NTRK Pan-Tumor</i>	✦ golcadomide [^] <i>RR NHL</i>	BREYANZI <i>RR MZL</i>	✦ afimotoran <i>SLE</i>	SOTYKTU <i>Alopecia Areata</i>	✦ MYK-224 <i>oHCM</i>	
	✦ Anti-Fucosyl GM1 [^] <i>RR SCLC</i>	nivolumab+relatlimab <i>Stage IV 1L NSCLC</i>		✦ BET Inhibitor (BMS-986158) <i>1L MF</i>	BREYANZI <i>RR MCL</i>	SOTYKTU <i>DLE</i>	✦ TYK2 Inhibitor (BMS-986322) <i>Mod-to-Severe Psoriasis</i>	✦ danicamtiv <i>Dilated Cardiomyopathy</i>	
	✦ Anti-IL-8 [^] <i>Solid Tumors</i>	nivolumab+relatlimab <i>1L HCC</i>		ABECMA <i>1-4L+ MM</i>	REBLOZYL <i>A-Thalassemia</i>			CAMZYOS <i>HFpEF</i>	
	✦ BET Inhibitor (BMS-986378) [^] <i>Solid Tumors</i>	nivolumab+relatlimab <i>2L+ HCC (Post-TKI)</i>		BREYANZI <i>3L+ CLL</i>	ONUREG <i>MDS</i>				
Phase 3	✦ SC nivolumab + rHuPH20 (multi-indications) <i>2L RCC</i>	OPDIVO <i>Stage IB-IIIa Adjuvant NSCLC*</i>	OPDIVO + YERVOY <i>St3 Unresectable NSCLC</i>	✦ iberdomide <i>2L+ MM</i>	INREBIC <i>MF</i>	✦ cendakimab <i>Eosinophilic Esophagitis</i>	SOTYKTU <i>SLE</i>	✦ milvexian <i>Secondary Stroke Prevention*</i>	
	OPDIVO <i>Adjuvant HCC</i>	OPDIVO + YERVOY <i>1L HCC</i>	OPDUALAG <i>Adjuvant Melanoma</i>	iberdomide <i>Post-ASCT Maintenance NDMM</i>	REBLOZYL <i>1L TD MF Associated Anemia</i>	✦ LPA1 Antagonist <i>IPF</i>	SOTYKTU <i>Sjögren's Syndrome</i>	milvexian <i>Acute Coronary Syndrome*</i>	
	OPDIVO <i>Peri-adjuvant MIUC</i>	OPDIVO + YERVOY <i>1L MIUC</i>	OPDUALAG <i>2L/3L+ MSS mCRC</i>	✦ mezigdomide <i>2L+ MM Vd</i>	REBLOZYL <i>1L NTD MDS Associated Anemia</i>	LPA1 Antagonist <i>PPF</i>	ZEPOSIA <i>Crohn's Disease</i>	milvexian <i>Atrial Fibrillation*</i>	
	OPDIVO <i>Peri-adjuvant NSCLC</i>	OPDIVO + YERVOY <i>1L+ MSI High CRC</i>	✦ SC nivolumab + relatlimab + rHuPH20 <i>1L Melanoma</i>	mezigdomide <i>2L+ MM Kd</i>		SOTYKTU <i>Psoriatic Arthritis</i>	✦ obexelimab*# <i>IgG4-Related Disease</i>	CAMZYOS <i>nHCM</i>	



Immunology



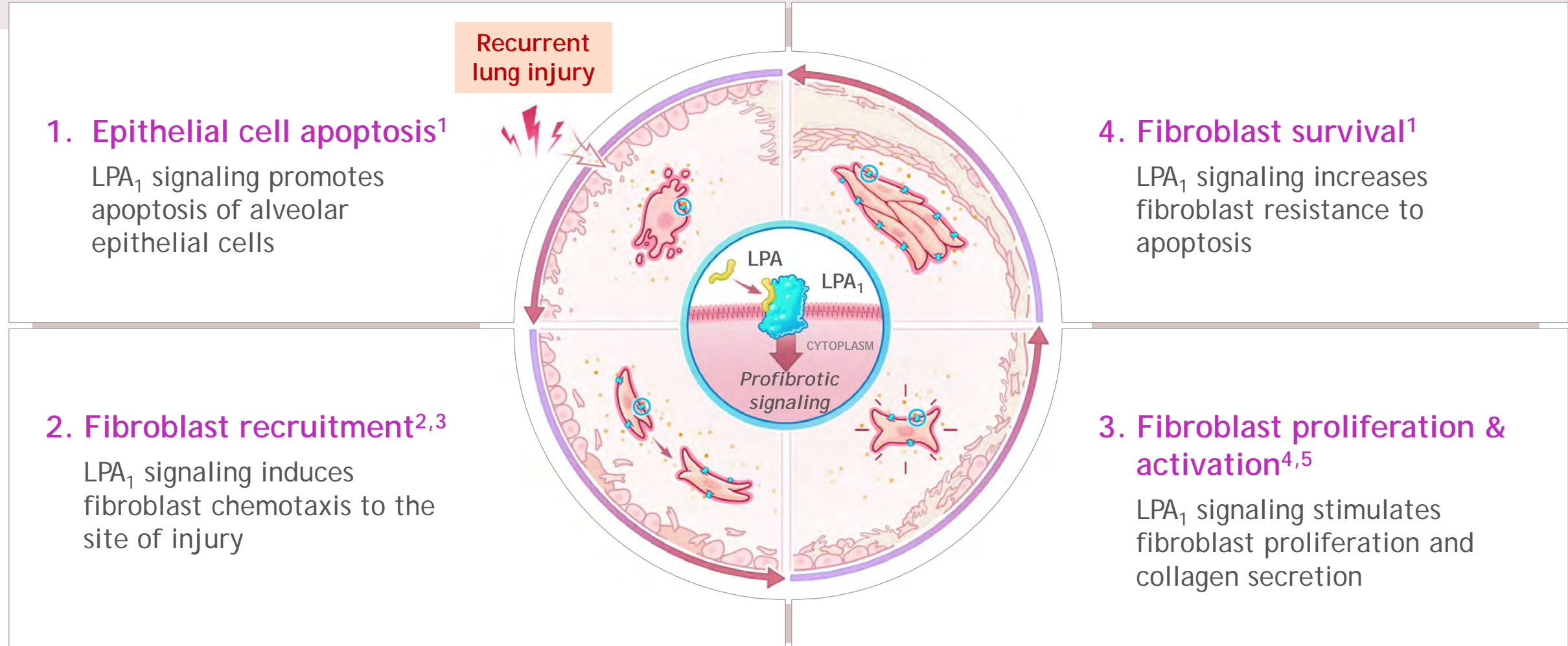
Addressing high unmet medical need in Immunology

Asset	Approved	Registrational [†]	Exploratory/PoC Studies [†]
 SOTYKTU [™] (deucravacitinib) 6 mg tablets	Moderate-to-severe Psoriasis	<ul style="list-style-type: none"> Psoriatic Arthritis Sjögren's Syndrome Systemic Lupus Erythematosus 	Alopecia Areata
 ZEPOSIA [®] (ozanimod) 0.92 mg capsules	Moderate-to-severe Ulcerative Colitis	Moderate-to-severe Crohn's Disease	-
CD19 NEX T	-	-	Severe, refractory Systemic Lupus Erythematosus
cendakimab	-	<ul style="list-style-type: none"> Eosinophilic Esophagitis Eosinophilic Gastroenteritis¹ 	-
LPA ₁ Antagonist	-	<ul style="list-style-type: none"> Idiopathic Pulmonary Fibrosis Progressive Pulmonary Fibrosis 	-

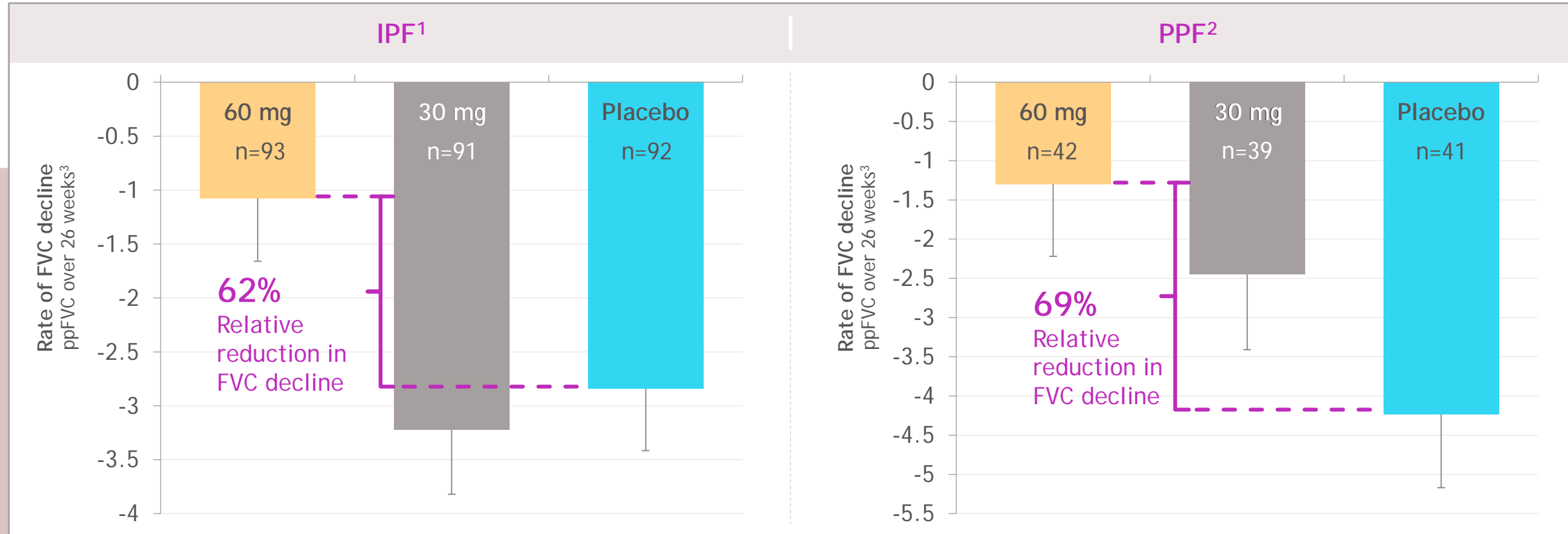
Significant unmet need in pulmonary fibrosis

 Disease	 Unmet Need	 Treatment Opportunity
<ul style="list-style-type: none">• Fibrotic ILD: Associated with thickening of the lung lining, causing irreversible damage¹• IPF: Fatal disease with 3-5 years median survival²• PPF: Heterogenous group of ILDs with a progressive-fibrosing phenotype¹	<ul style="list-style-type: none">• Ideal novel therapies which can be used alone or in combination with approved anti-fibrotics• Treatments needed to address underlying fibrosis and reduce decline in lung function• Tolerable treatment options to increase adherence and QoL improvement	<ul style="list-style-type: none">• Deliver a potential new product with an improved efficacy and tolerability profile over current treatment options• Approved therapies do not treat underlying fibrosis or halt disease progression

LPA₁ signaling is central to the pathogenesis of fibrotic lung diseases



Robust Phase 2 IPF and PPF results support development of BMS-986278 across the spectrum of progressive lung fibrosis



Compelling reduction in the decline of lung function at 60 mg in both IPF and PPF cohorts, with a favorable and differentiated tolerability profile

ALOFT-IPF¹ and ALOFT-PPF²: Two parallel Phase 3 registrational studies

Key Inclusion:

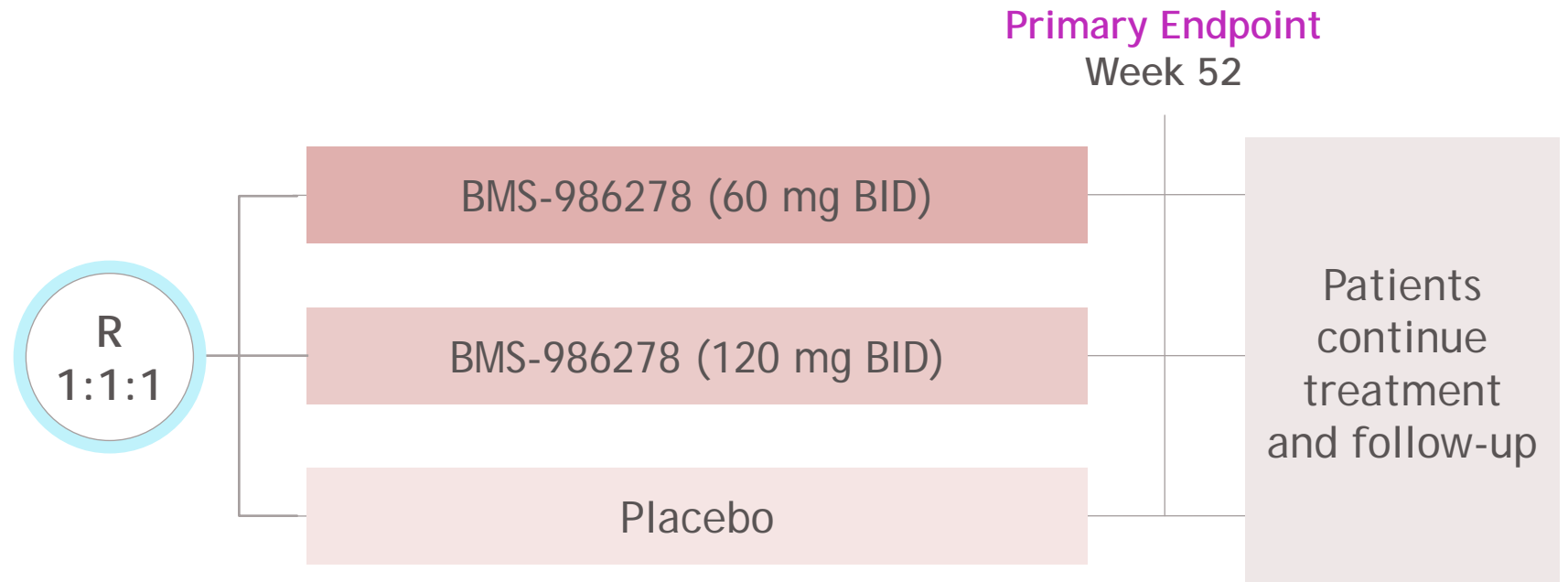
- >40 yo (IPF); >21 yo (PPF)
- FVC ≥40%, DLco >25%
- With or without concomitant background SoC

Primary Endpoint:

- Change in FVC (mL) at week 52

Key Secondary Endpoint:

- Time to disease progression
- Patient-reported outcomes
- Change in 6MWT



Phase 3 studies initiating

Data anticipated in 2026 (IPF) and 2028 (PPF)

Significant unmet medical need in lupus



Complex Disease

- Chronic auto-immune disorder of widespread inflammation leading to end-organ damage and death
- Impact on QoL due to multiple associated comorbidities (i.e., infections, CV disease)

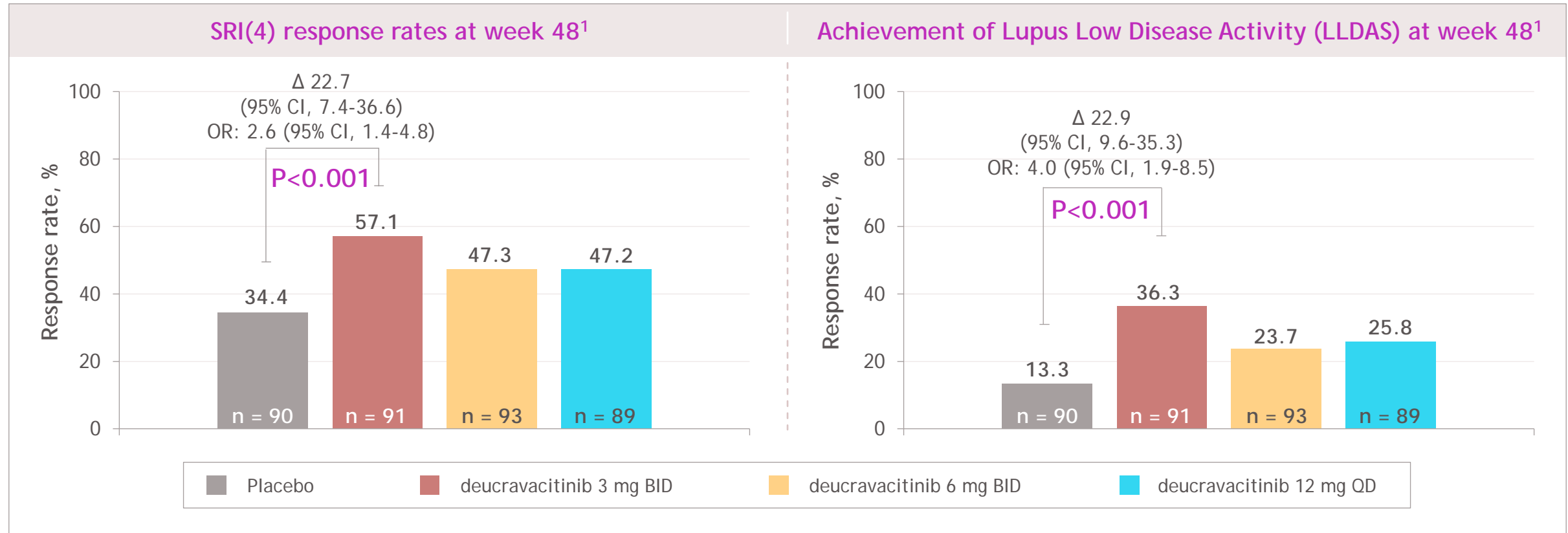


Current Treatment Landscape

- Few approved branded therapies
- Current options have limited efficacy
- Many therapies require repeated injections

Significant Need: Opportunity for patients to have a novel, oral, effective medicine

SLE Phase 2 results across endpoints provide rationale for Phase 3

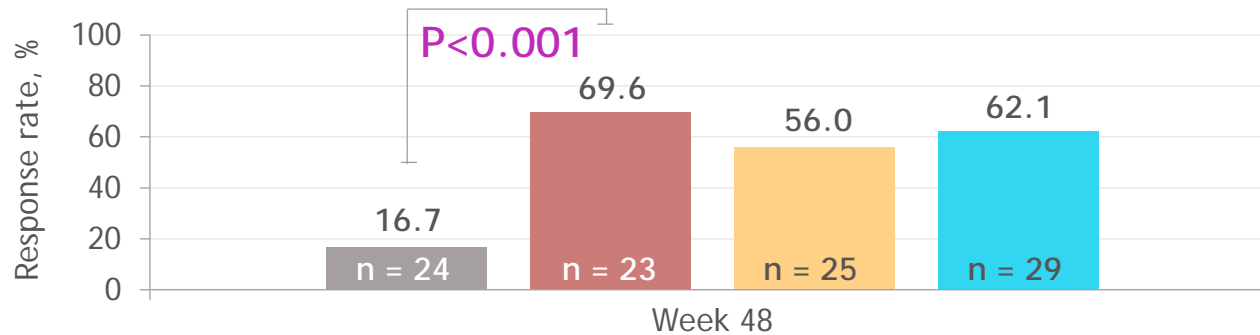


Met the primary endpoint, and all secondary endpoints achieved or meaningfully improved at week 48 with a well tolerated safety profile consistent with earlier trials

SLE Phase 2 data demonstrates compelling efficacy across domains

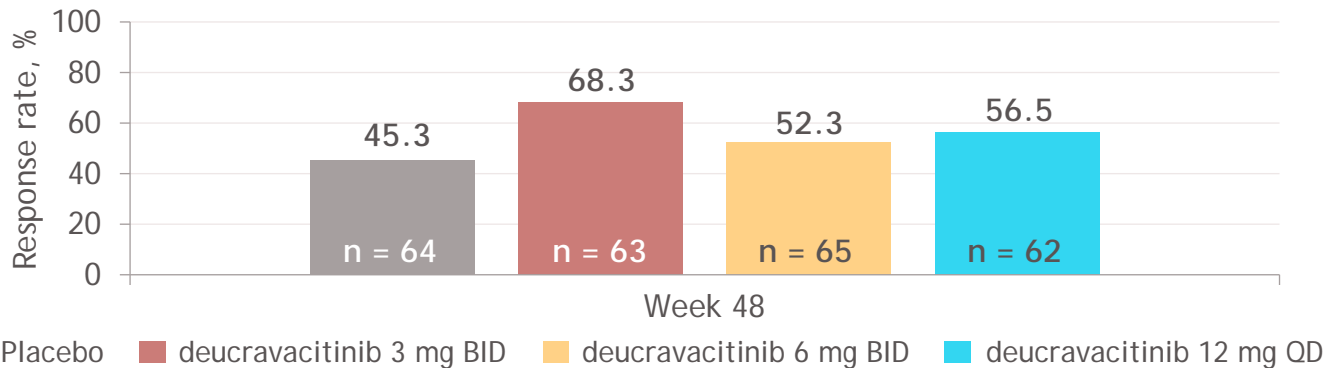
Skin Domain: CLASI-50^{1,2}

Baseline CLASI activity score ≥ 10 with $\geq 50\%$ decrease from baseline



Joint Domain: Joint Count-50^{1,3}

≥ 6 active (tender + swollen) joints at baseline, with $\geq 50\%$ decrease from baseline



Patient response treated with deucravacitinib in the PAISLEY Phase 2 study⁴

Baseline

Near complete resolution



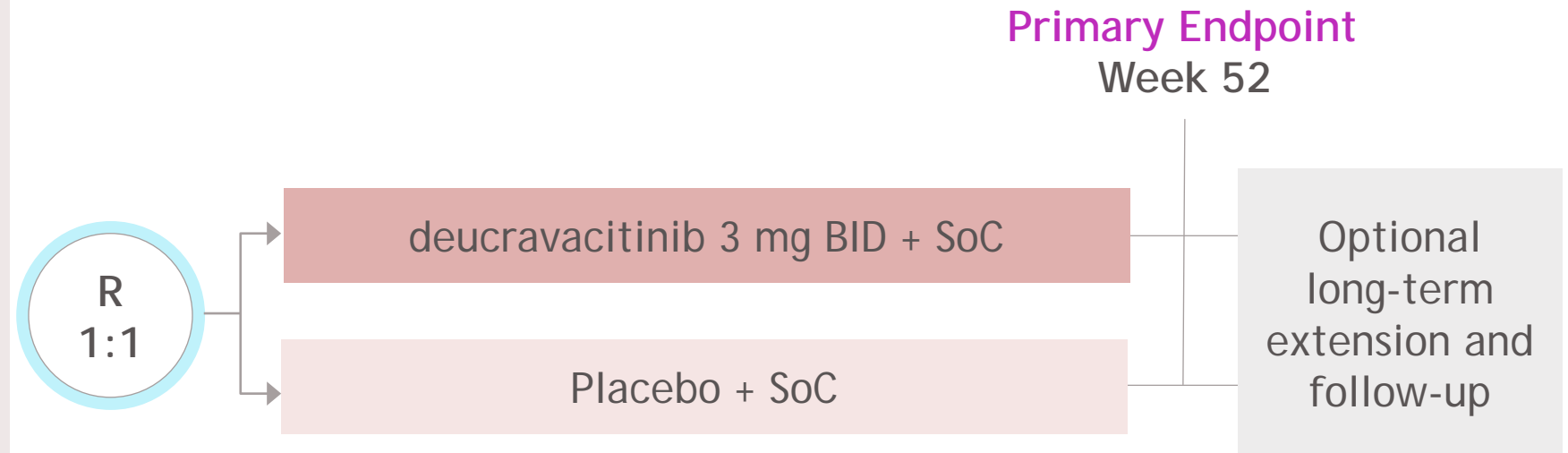
SLE Phase 3 registrational program (POETYK-SLE-1¹ and POETYK-SLE-2² parallel studies)

Inclusion Criteria:

- SLEDAI-2K ≥ 6 with skin and/or joint involvement
- BILAG:1A or 2Bs
- Seropositivity
- Stable background therapy
- No severe organ-threatening disease

Primary Endpoint:

- SRI(4) at Week 52



Data anticipated in 2026

Development in Sjögren's Syndrome supported by Phase 2 results in SLE



Unmet Need

- SjS is an autoimmune disease characterized by dry eye and mouth with potential involvement of other organs
- No approved therapies that slow the progression of SjS
- Most patients require supportive care to manage symptoms¹



Disease mechanism and genetic data support reason to believe

- Genetic studies implicate TYK2 pathways in SjS²
- Interferon activity is increased systemically and in tissue of patients with SjS³
- SjS and SLE have shared pathogenesis with common biomarkers and lab findings

Based on similarity to SLE and high unmet need, the **Phase 3 trial in Sjögren's Syndrome is ongoing**

Sjögren's Syndrome Phase 3 study (POETYK-SjS-1¹)

Inclusion Criteria:

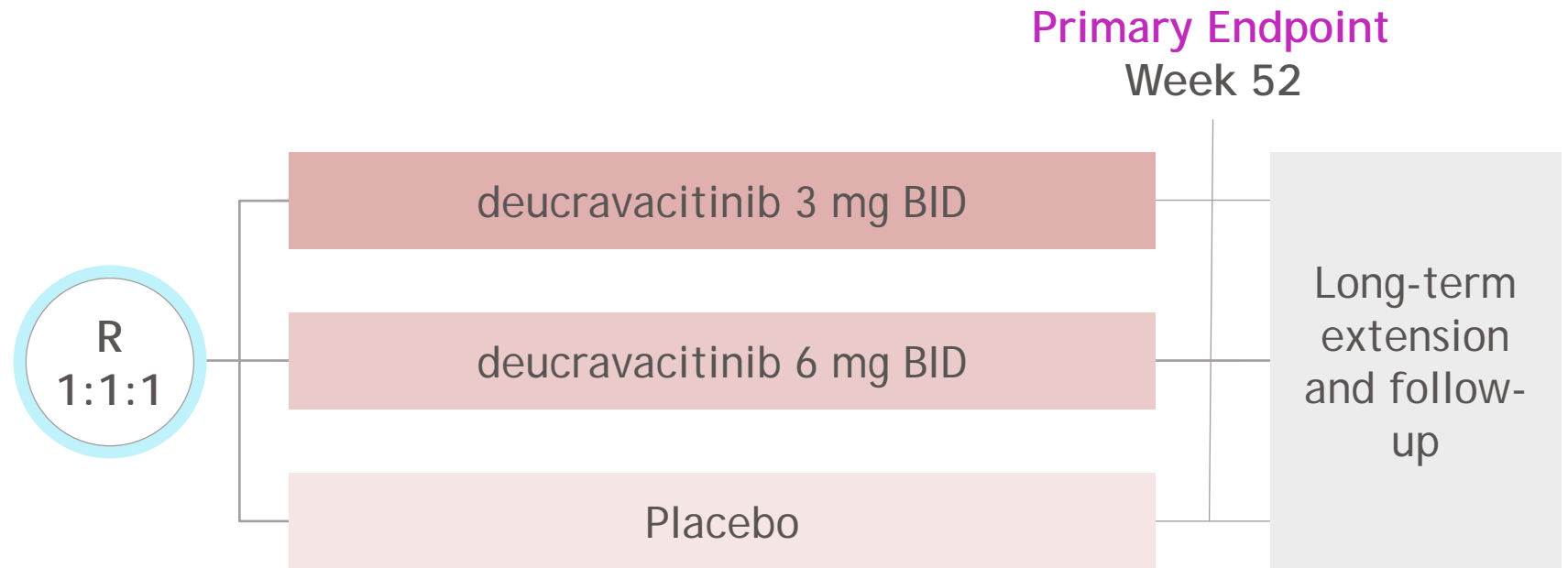
- Meet 2016 ACR/EULAR criteria with disease duration ≤ 7.5 yrs
- Anti-SSA/RO+
- ESSDAI ≥ 5

Primary Endpoint:

- ESSDAI change from baseline at Week 52

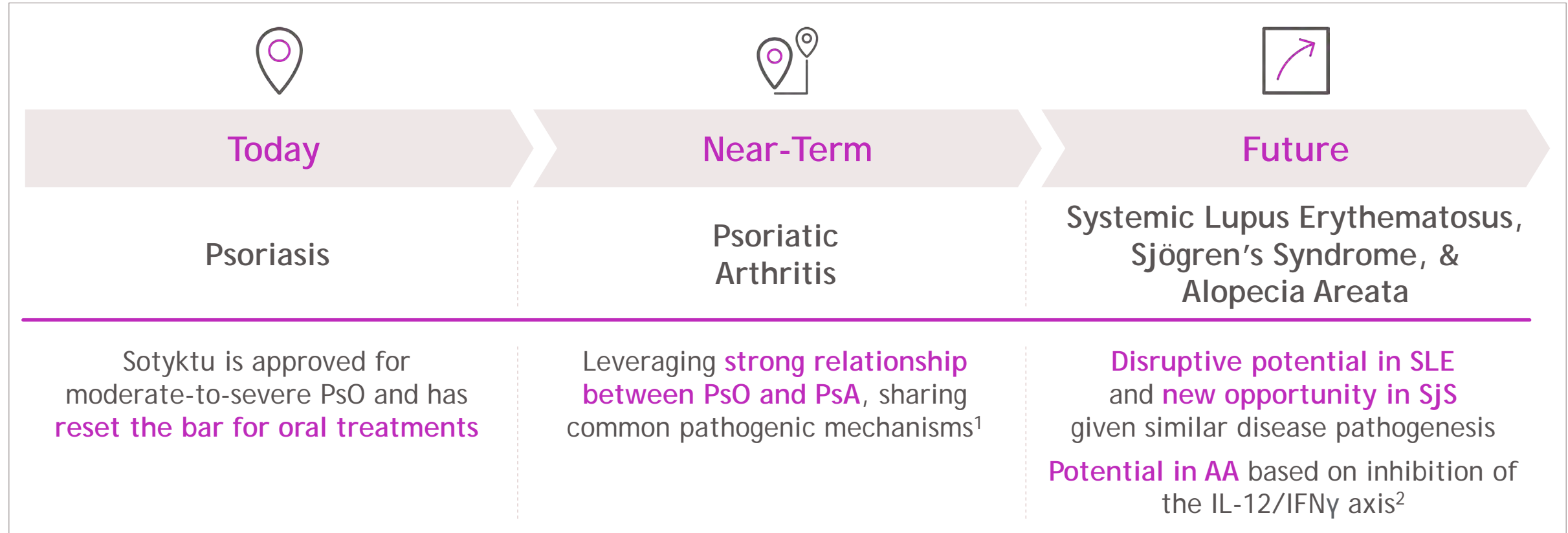
Key Secondary Endpoint:

- ESSPRI



Data anticipated in 2027

First-in-class TYK2 inhibitor to treat PsO, with broad potential across PsA, SLE, SjS, and AA

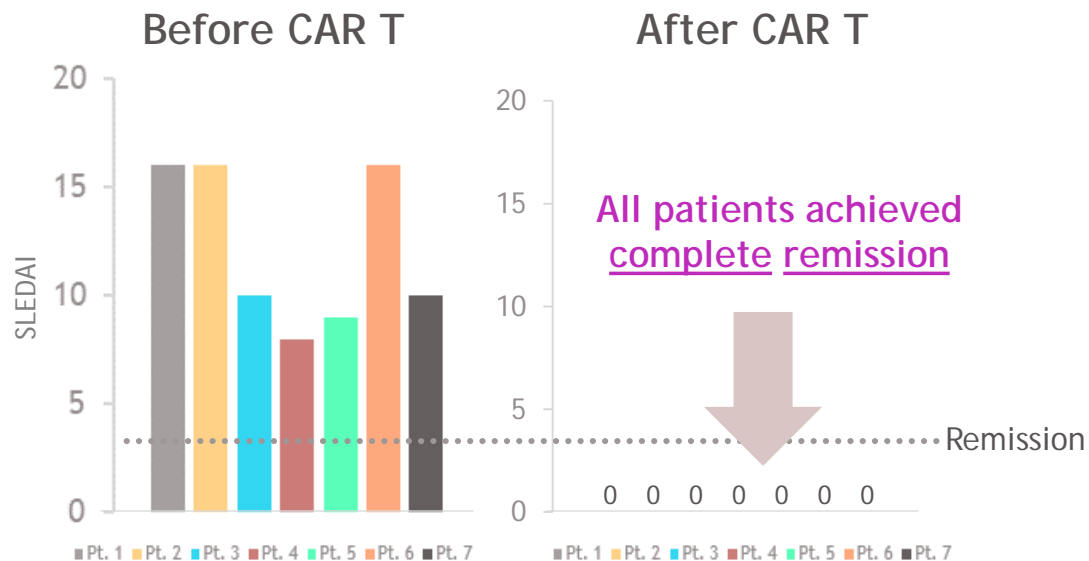


Oral, tolerable, mechanistically differentiated TYK-2 targeting agent provides **broad applicability across a range of immune-mediated diseases**

Compelling CAR T data in lupus supports expanding new modality to address unmet need

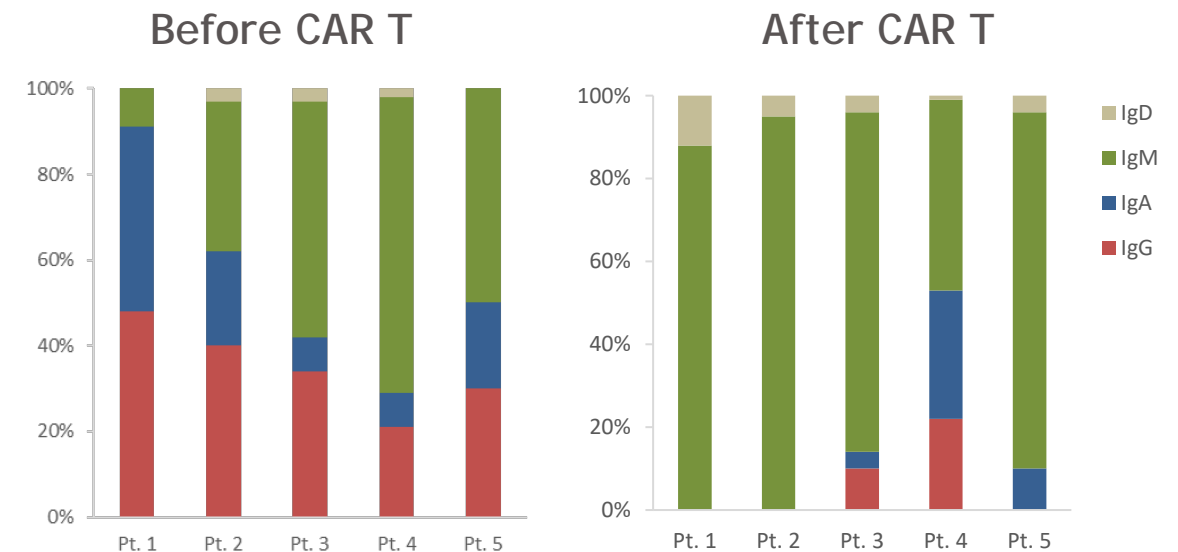
Potential transformational efficacy and favorable safety demonstrated with CD19 CAR T

Disease Remission Post CAR T Treatment¹



7/7 pts achieved durable DORIS complete remission off all therapy; encouraging safety & tolerability with only grade 1 cytokine release syndrome and no neurotoxicity

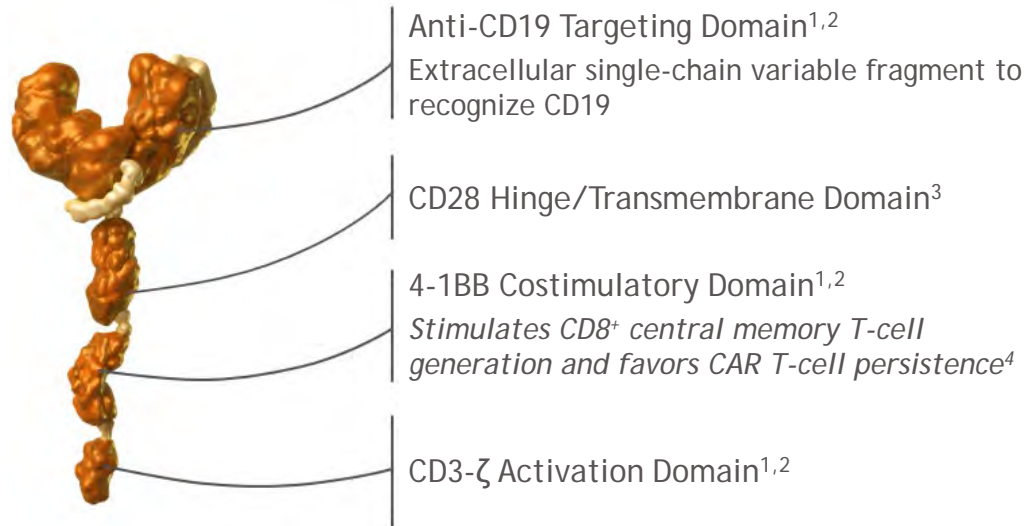
Data Suggests Immune System Reset²



Patient immune system reset after CAR T treatment: Measurement of immunoglobulins shift from mature B-cells expressing IgA & IgG to naïve B-cells expressing IgM & IgD

Potential transformative treatment option for patients with certain severe immunologic diseases

BMS-986353 expresses the same CD19 specific CAR construct as best-in-class Breyanzi^{1,2}



Breyanzi achieves rapid and complete B-cell depletion in patients with B-cell malignancies

NEX T: Next generation technology manufacturing platform balances speed and robustness



Faster turnaround time

- *Optimized cell expansion time*



Increased productivity

- *Leverages a closed and automated manufacturing platform leads to increased yield and lowered cost*



Innovative technologies

- *Proprietary harvest technology improves purity*

CD19 NEX T: Differentiated safety profile of Breyanzi with an enhanced manufacturing process

Severe, refractory SLE Phase 1 study

Open label¹: Assess the safety, preliminary efficacy, pharmacokinetics

Key eligibility criteria:

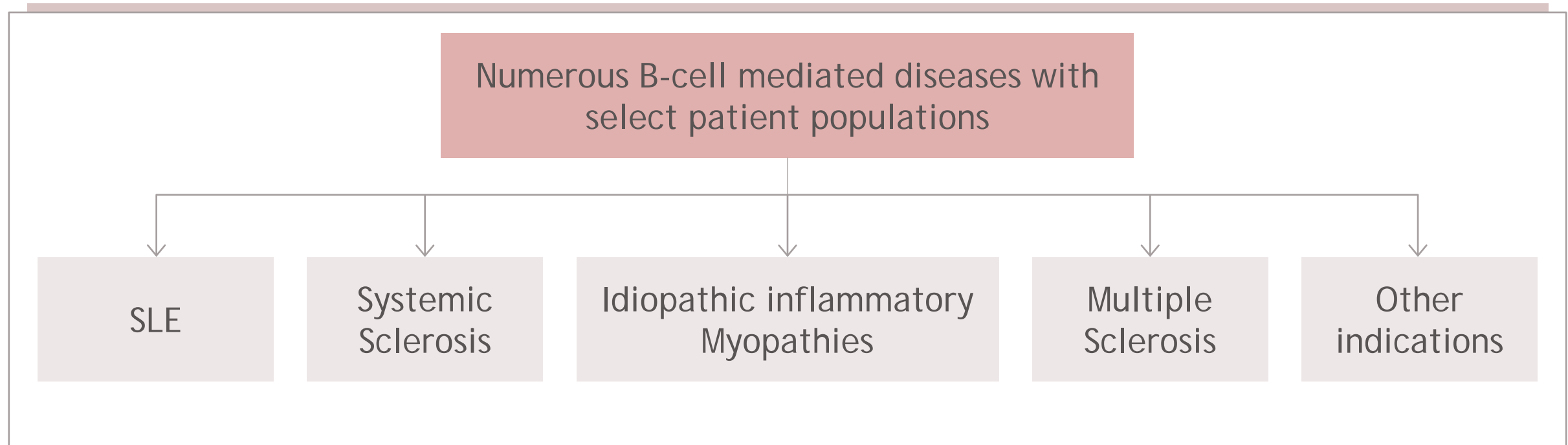
- 2019 ACR/EULAR classification criteria of SLE
- Presence of anti-dsDNA, anti-histone, anti-chromatin, or anti-Sm antibodies
- ≥ 1 major organ system with a BILAG A score
- Inadequate response to glucocorticoids and to at least 2 treatments

Part A
Dose escalation

Part B
Dose expansion
to optimize RP2D

Data anticipated in 2024

Rapidly expanding into other B-cell mediated diseases



Adding cohorts to Phase 1 severe, refractory SLE trial (e.g., myositis and others)



Phase 1 trial in Multiple Sclerosis to be initiated

Rapidly building our portfolio in Immunology


- **LPA₁ Antagonist:** New potential standard of care in IPF & PPF with registrational Phase 3 programs initiating
- **Sotyktu:** Compelling Phase 2 data supports ongoing registrational Phase 3 programs in SLE & SjS
- **CD19 NEX T:** Phase 1 study in severe, refractory SLE initiated and expanding into other immunologic diseases
- Exciting additional registrational Phase 3 programs:
 - **Cendakimab** in EoE & EGE
 - **Zeposia** in CD
 - **Sotyktu** in PsA
- Exploring 5 additional assets in early development across indications

Addressing immunologic diseases with high unmet need impacting 8M+¹ patients

Hematology



Addressing high unmet medical need in Hematology

Asset	Approved	Registrational [†]		Exploratory/PoC Studies [†]
 Abecma [™] (idecabtagene vicleucel) <small>SUSPENSION FOR IV INFUSION</small>	5L+ R/R MM ¹	<ul style="list-style-type: none"> 3L+ triple-class exposed MM Sub-optimal response post-SCT 		-
 Breyanzi [™] (lisocabtagene maraleucel) <small>SUSPENSION FOR IV INFUSION</small>	<ul style="list-style-type: none"> 2L LBCL 3L+ LBCL 	<ul style="list-style-type: none"> R/R CLL/SLL 2L+ FL; 3L+ FL 	<ul style="list-style-type: none"> R/R MCL R/R MZL 	-
 Reblozyl [™] (luspatercept-aamt) <small>for injection 25mg + 75mg</small>	<ul style="list-style-type: none"> 1L MDS 2L TD MDS-RS TD & NTD² Beta Thalassemia 	<ul style="list-style-type: none"> 1L NTD MDS TD MF 		Alpha Thalassemia ³
alnuctamab	-	2-4L MM		Novel combinations in MM
BET Inhibitor (BMS-986158)	-			Novel combinations in MF
iberdomide	-	<ul style="list-style-type: none"> NDMM post-SCT maintenance 2-3L MM 		-
golcadomide	-	1L LBCL		<ul style="list-style-type: none"> 1L DLBCL R/R PTCL⁴
GPRC5D CAR T	-	Quadruple-class exposed MM		Novel combinations
mezigdomide	-	<ul style="list-style-type: none"> 2-4L MM 2L+ MM 		-

Rapidly expanding use in the treatment of anemia

FDA approved as first-line treatment of anemia in adults with lower-risk MDS



First and only therapy to demonstrate superiority over epoetin alpha in the head-to-head Phase 3 COMMANDS study



Nearly doubled transfusion independence with concurrent hemoglobin increase vs epoetin alpha with a well-established safety profile



Demonstrates more durable responses of transfusion independence vs epoetin alpha

Expansion opportunities with ongoing studies in anemia associated with 1L TD MF, 1L NTD MDS, and alpha-thalassemia¹

Phase 3 INDEPENDENCE 1L TD anemia in MF trial design¹

Key Eligibility Criteria:

- MPN-associated MF
- Stable dose JAK2 inhibitor
- Transfusion dependent

Stratification:

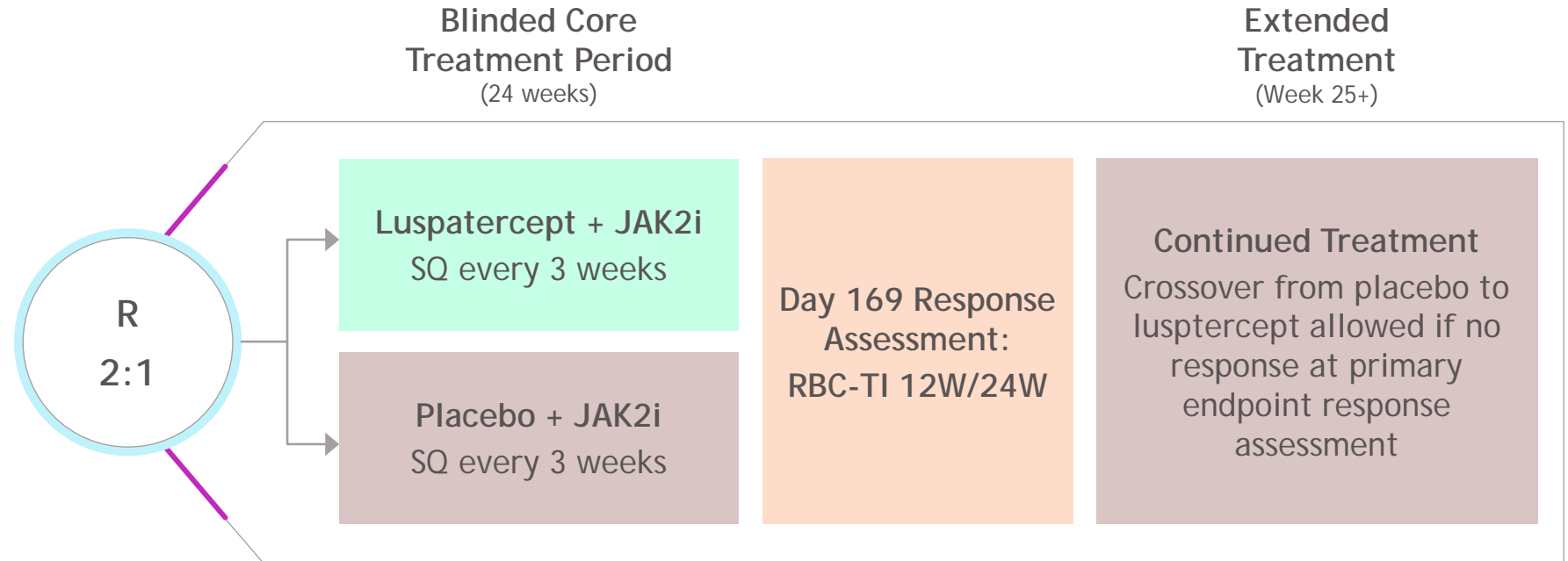
- BL RBC transfusion burden
- DIPSS (intermediate vs. high)

Primary Endpoint:

- RBC transfusion independence for ≥ 12 weeks

Key Secondary Endpoint:

- RBC transfusion independence for ≥ 16 weeks

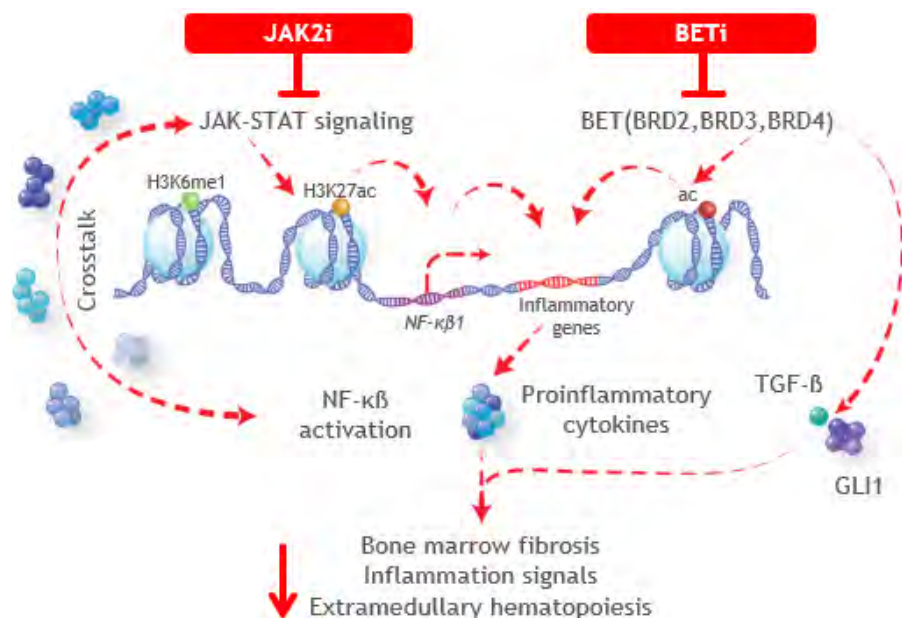


Expected data readout 2025

BMS-986158: Potential-best in-class BET inhibitor with broad applicability

BETi Mechanism of Action

Unmet need in MF remains for new treatments which lead to **strong & durable spleen volume reduction, symptom improvement, and extended survival**



BET Inhibitors alone and in combination with JAK inhibitors have shown clinical benefit in patients with MF¹

BETi: Phase 1/2 study ongoing in MF²

Dose Escalation Phase

1L MF (rux-naïve)
BMS-158 + ruxolitinib 15 mg BID

2L MF (rux-exposed)
BMS-158 + fedratinib 400 mg QD

Dose Expansion Phase

1L MF (rux-naïve)
BMS-158 RP2D + ruxolitinib 10 mg BID

1L MF (add-on to rux)
BMS-158 RP2D + ruxolitinib previously tolerated dose

2L MF (rux-exposed)
BMS-158 RP2D + fedratinib 400 mg QD

2L MF (rux-exposed)
BMS-158 RP2D monotherapy

- Primary Endpoint: Safety, tolerability, MTD and/or RP2D
- Key Secondary Endpoint: Preliminary efficacy based on SVR

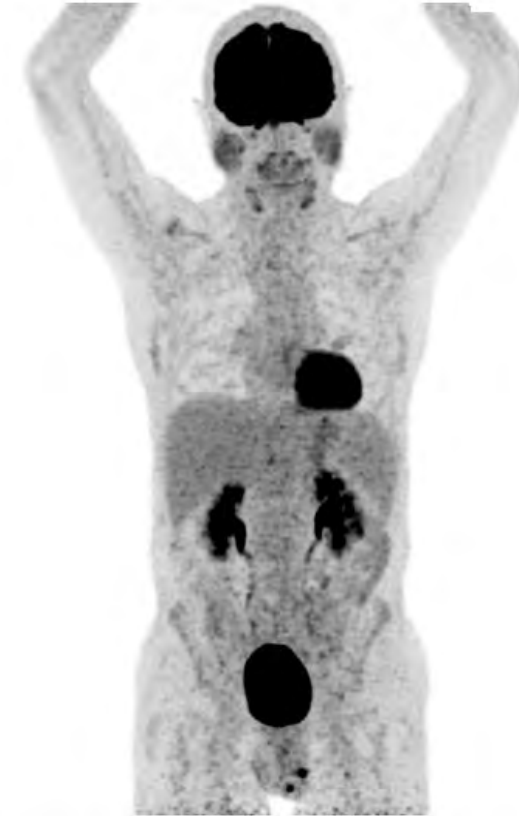
Proof-of-concept data anticipated in 2024

Breyanzi provides transformational benefits to patients

Before Breyanzi infusion



One month after Breyanzi infusion



Follicular Lymphoma Patient from TRANSCEND-FL¹

Best-in-class CAR T across the broadest array of B-cell malignancies

01

- Best-in-class CAR T with the broadest label in 2L+ LBCL
- Differentiated efficacy & safety profile

02

- TRANSCEND-CLL: First & only pivotal trial in high-risk R/R CLL/SLL
- Demonstrated deep and durable responses

03

- Potential best-in-disease in R/R FL
- Unprecedented data in additional lymphoma types including R/R MCL

LBCL

Large B-Cell
Lymphoma

MCL

Mantle Cell
Lymphoma

CLL/SLL

Chronic Lymphocytic Leukemia/
Small Lymphocytic Lymphoma

FL

Follicular
Lymphoma

MZL

Marginal Zone
Lymphoma

Aggressive

Rapidly progressive but responsive
to chemotherapy and often curable

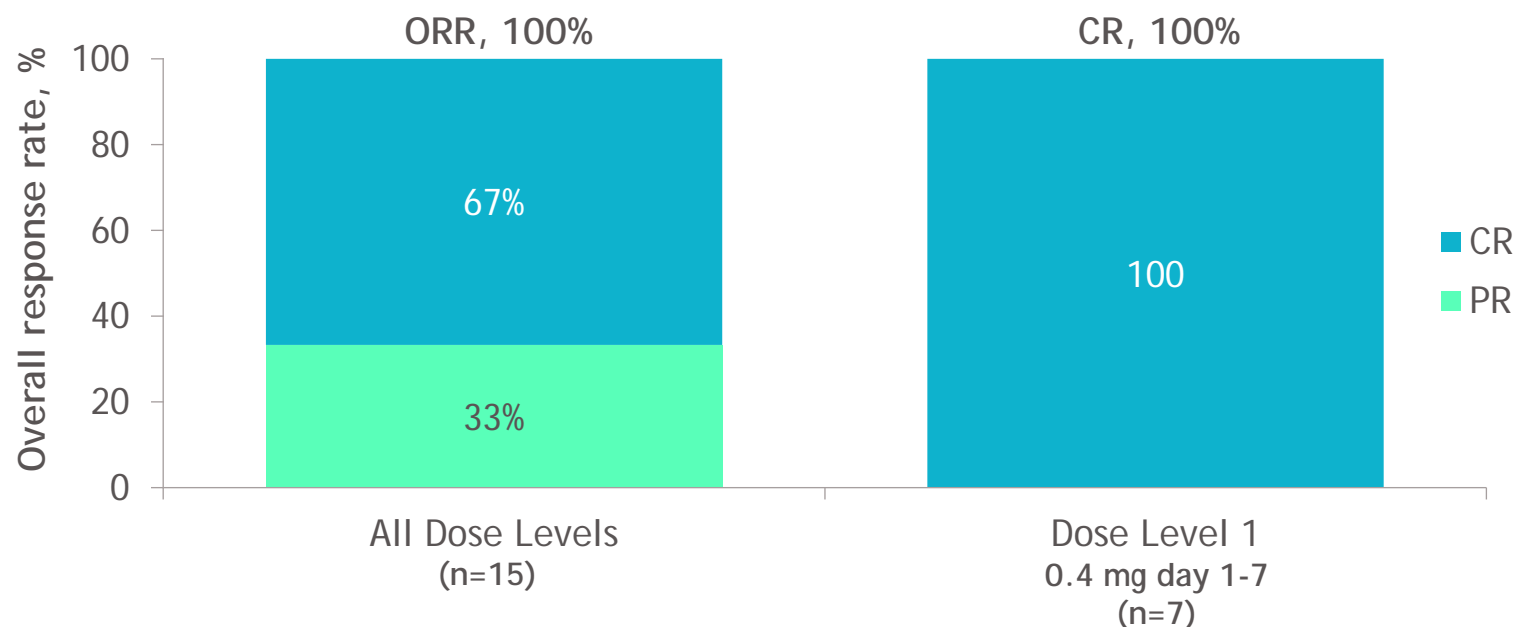
Indolent

Slowly progressive and responsive to therapy but
not typically curable with standard approaches

Expanding Targeted Protein Degradation into lymphoma

Unmet Need in 1L LBCL: High-risk disease defined based on the IPI, where R-CHOP leads to cure in less patients

High response rates seen with golcadomide + R-CHOP in 1L DLBCL¹



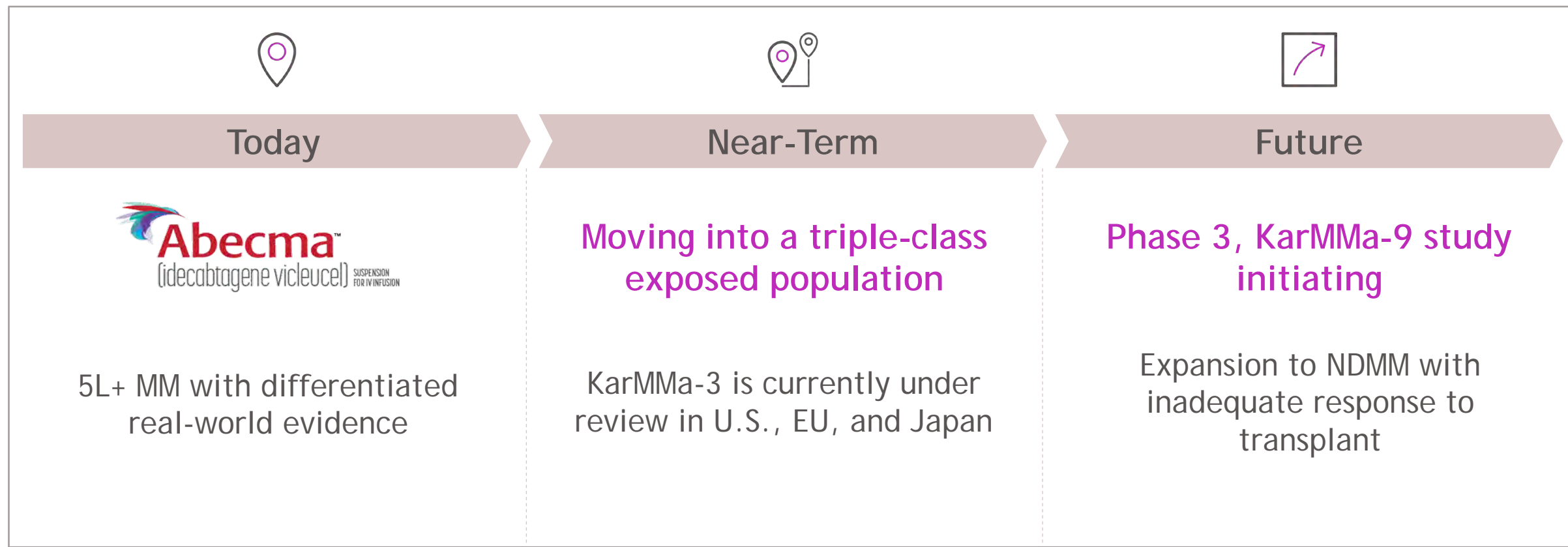
Manageable Safety Profile¹

- No new safety signals were observed with golcadomide monotherapy
- Golcadomide was safely combined with rituximab, with no DLTs observed
- Golcadomide has good combinability with R-CHOP, with manageable safety profile

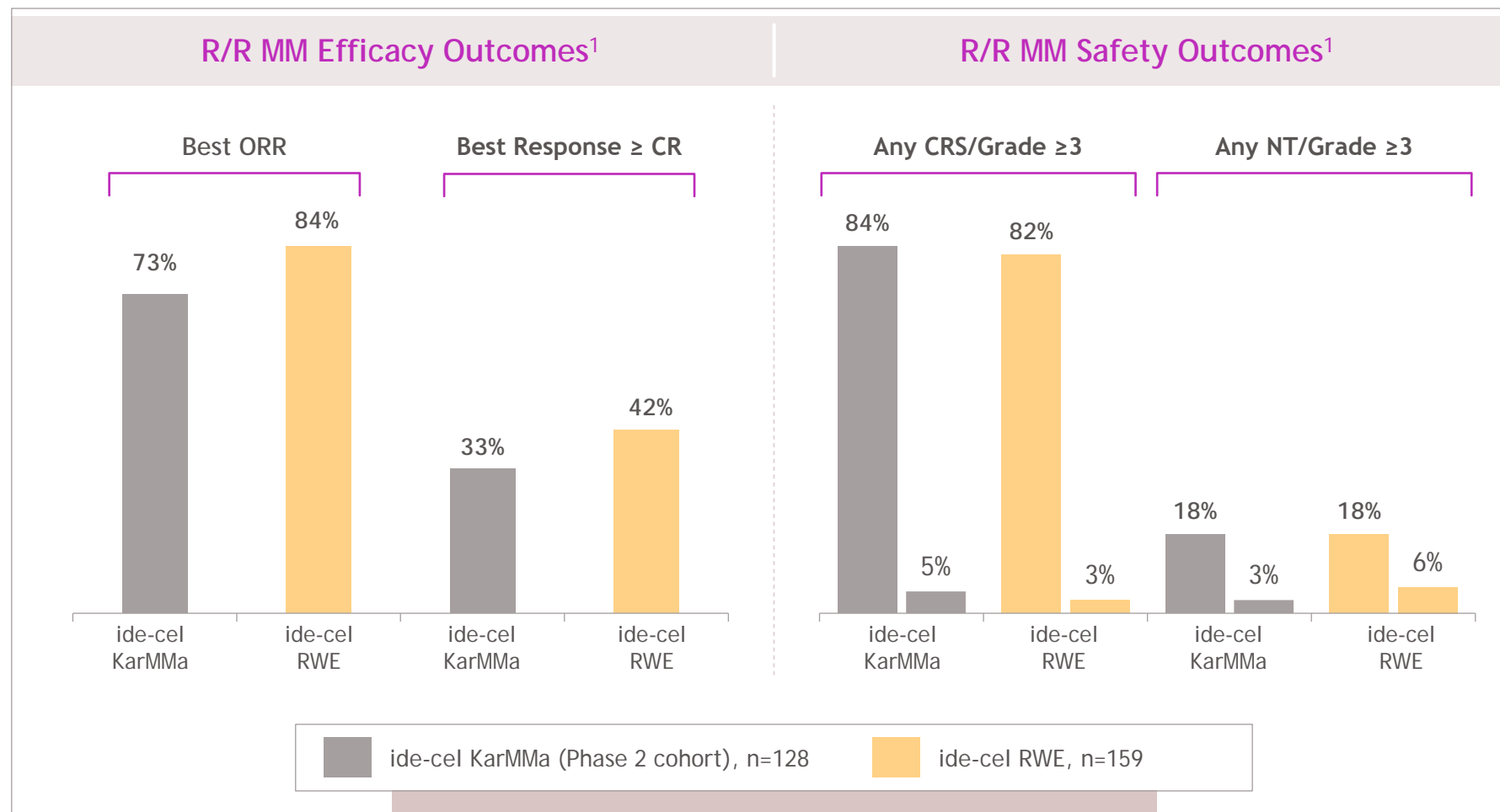
Plan to initiate 1L LBCL registrational trial in 2024

Data anticipated 2027+

Moving into earlier lines of therapy in multiple myeloma

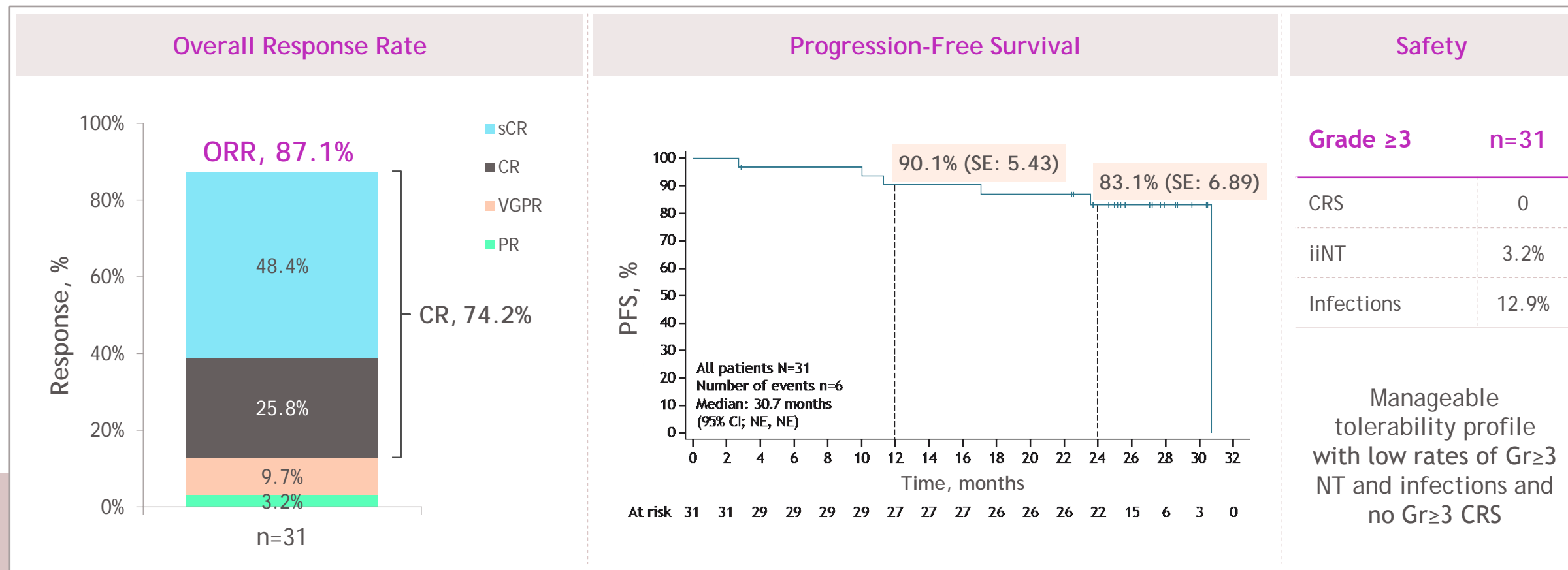


Confidence in Abecma's competitive profile further reinforced by real world evidence



- Predictable safety profile well understood
- Real world data confirms the efficacy profile in a real world population
- Strong manufacturing reliability confirmed: 94% success rate
- Data supports CAR T before other BCMA-targeted therapies in the real world²

KarMMa-2¹: Strong data supports advancing Abecma into Phase 3 KarMMa-9 study



KarMMa-2 Cohort 2c studied **Abecma** in patients with clinical high-risk MM due to inadequate response (<VGPR) to frontline ASCT

Pivotal KarMMa-9 in patients with sub-optimal response post-ASCT

Inclusion Criteria:

- Adult patients with PR or VGPR to ASCT

Primary Endpoint:

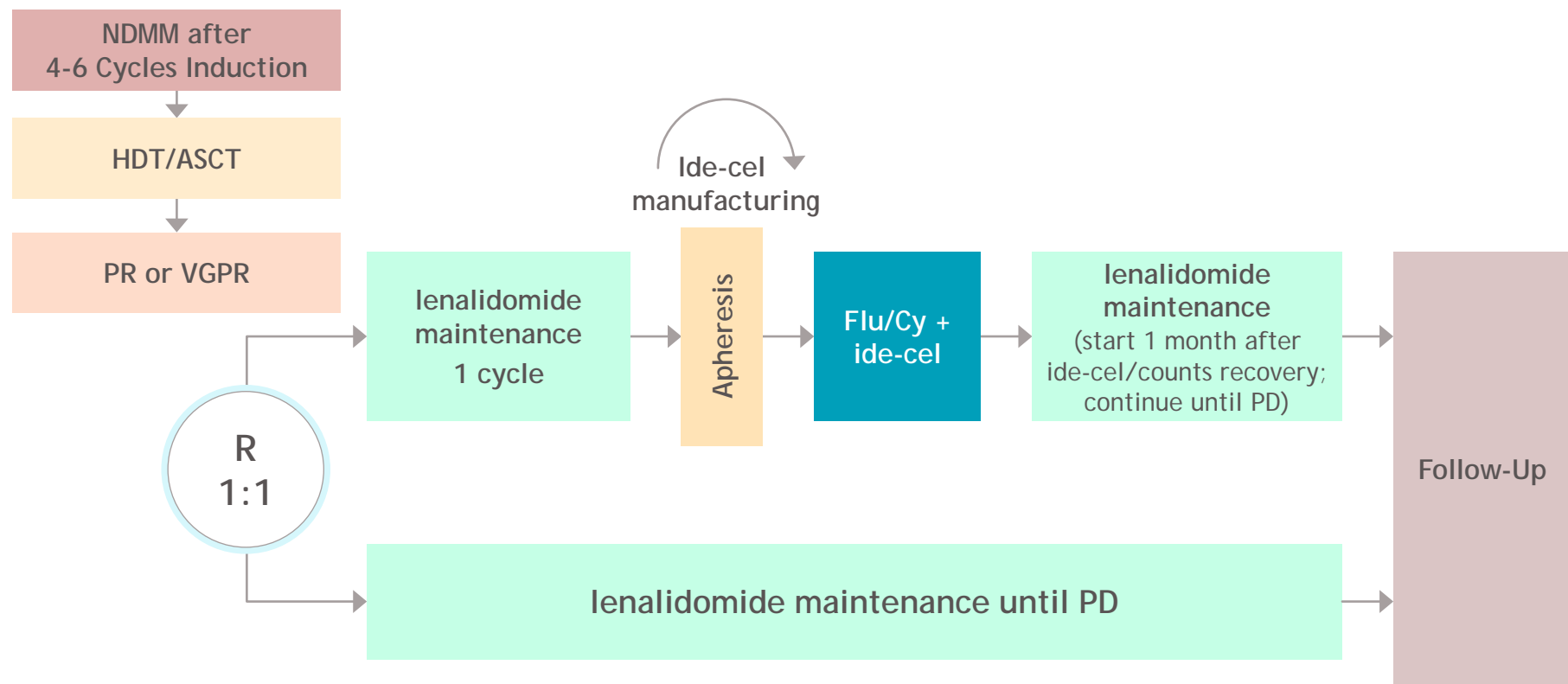
- PFS

Key Secondary Endpoint:

- OS

Stratification Factors:

- R-ISS III at initial diagnosis
- Anti-CD38 induction
- VGPR vs PR

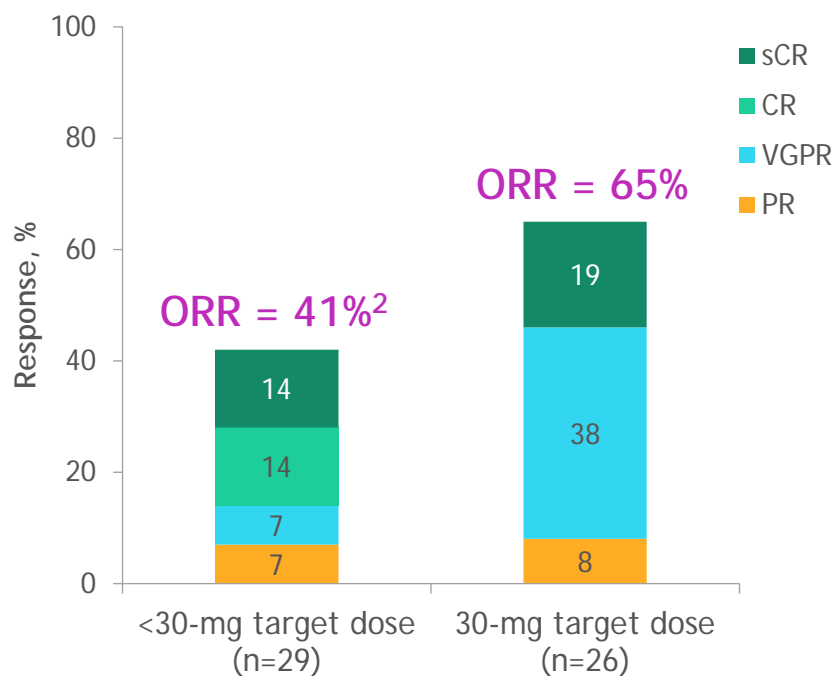


Pivotal KarMMa-9 study initiating

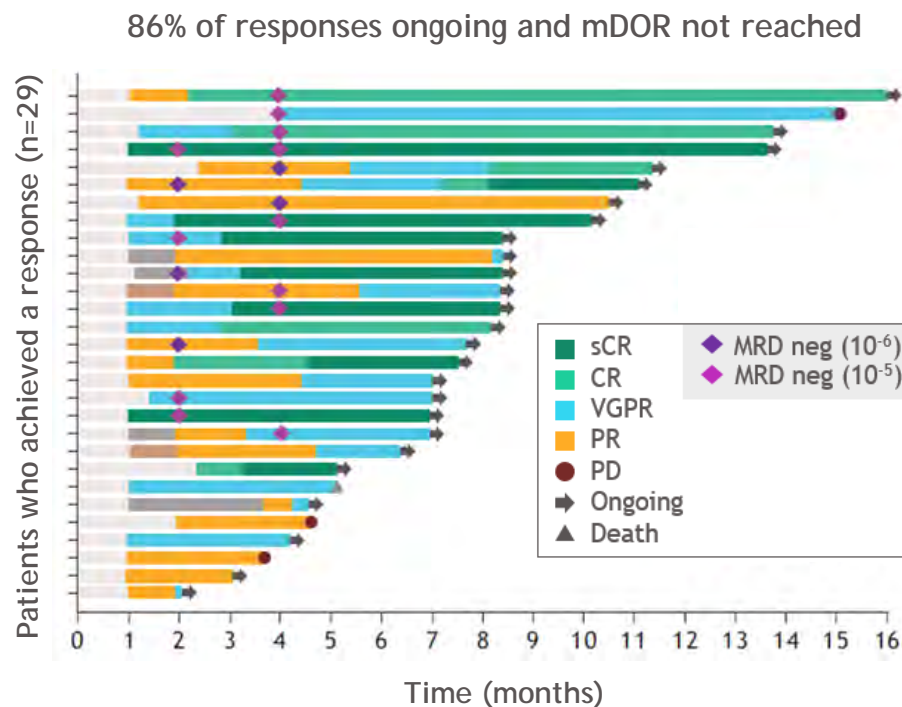
Data anticipated in 2027

Alnuctamab demonstrates deep and durable responses in RRMM

Overall Response Rate: Efficacy supports the optimal Phase 3 dose¹



Deep and durable responses with clinically important MRD negativity¹



Safety¹

Grade ≥3 n=73

CRS 0

ICANS 0

Infections 10%

Hematologic:

- Neutropenia 42%
- Anemia 25%
- Thrombocytopenia 14%

Responses deepened over time, with CRS limited to low-grade, short-lived events (median duration 2 days)

Aggressive development plan to move into earlier lines and leverage proprietary combinations

RRMM 1-3 prior lines <i>alnuctamab monotherapy vs Investigator's Choice SOC</i>	RRMM ≥ 3 prior lines (dose escalation) <i>alnuctamab + GPRC5D CAR T</i>	RRMM ≥ 3 prior lines (dose escalation) <i>alnuctamab + mezigdomide</i>
<ul style="list-style-type: none">Phase 3, placebo-controlled randomized studyAnti-CD38 mAb & lenalidomide exposed and BCMA-targeting therapy naïve	<ul style="list-style-type: none">Phase 1b, dose escalation and dose optimization studyDose escalation: Triple class exposed; prior BCMA or GPRC5D therapies allowed	<ul style="list-style-type: none">Phase 1b, dose escalation and dose optimization studyDose escalation: Anti-CD38 mAb exposed or naïve

Initiating Phase 3 trial in 2024

GPRC5D CAR T has differentiated MoA/construct, addressing unmet need in post-BCMA treated population

GPRC5D-targeted CAR construct



Anti-GPRC5D domain¹

Hinge and transmembrane domain¹

4-1BB^{1,2}

CD3-zeta^{1,2}



Critical need for new targets as the number of post-BCMA treated patients increases³



GPRC5D is a clinically validated receptor highly expressed on MM cells with limited expression in other tissues and shows great potential for treatment of advanced MM¹



Overexpression of GPRC5D is associated with poor disease prognosis¹

Matching modality to mechanism

TCE

CAR T

Repeated administration

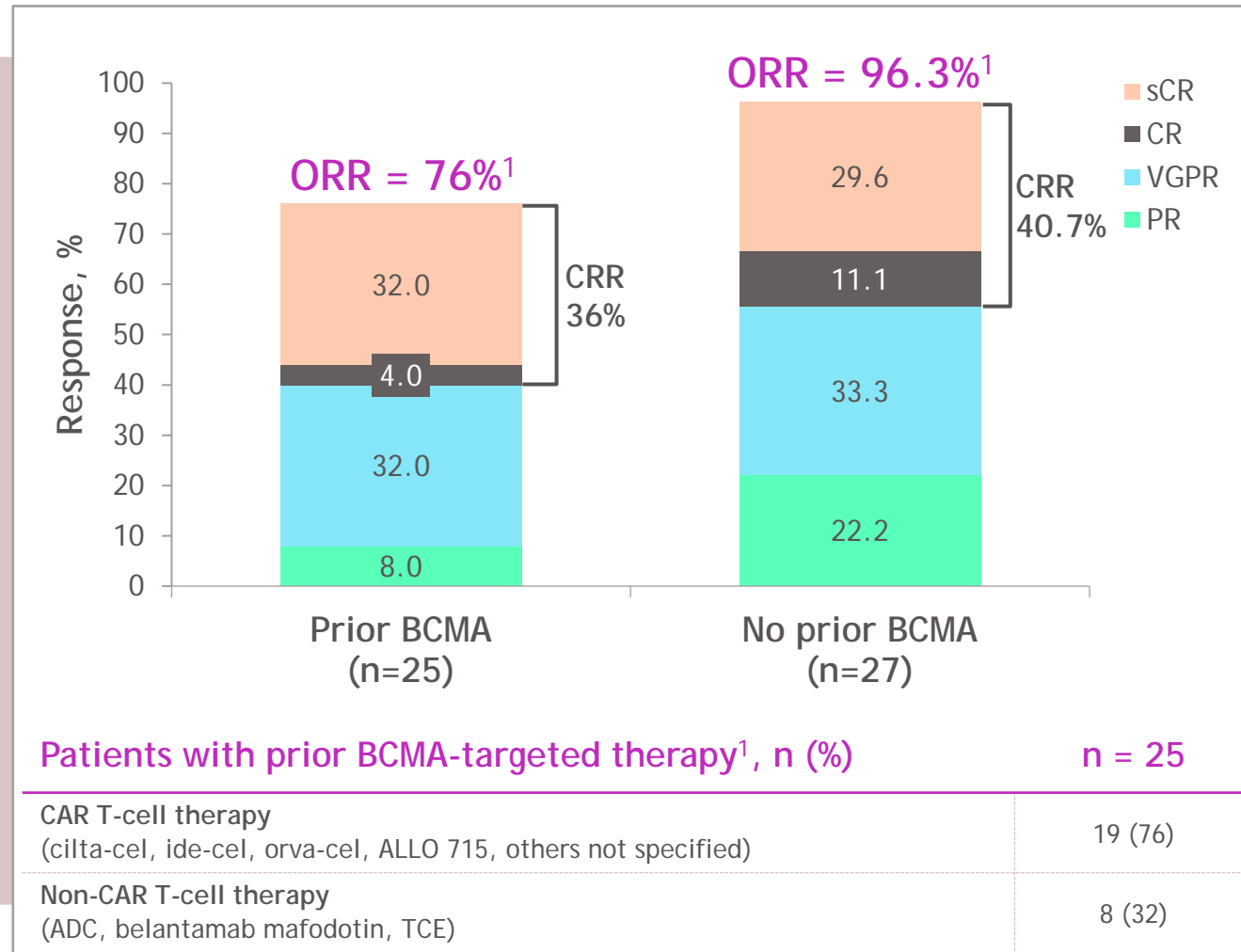
One-time infusion

Hypothesis:

Deliver strong anti-tumor efficacy with a better on-target/off-tumor tolerability profile

Though CAR T manufacturing and scalability is bespoke, therapy is a one-time infusion leading to significant efficacy and a manageable tolerability profile⁴

GPRC5D CAR T in post-BCMA patients shows compelling efficacy and differentiated safety



All treated patients (n = 67)		
On-target/off-tumor TRAEs, n (%)	Any grade	Grade ≥ 3
Skin	14 (20.9)	0 (0)
Dysgeusia/taste disorder	12 (17.9)	0 (0)
Nails	6 (9.0)	0 (0)
Dysphagia	1 (1.5)	0 (0)
Neurotoxicity, n (%)		
ICANS-type neurotoxicity	7 (10.4)	2 (3.0)
Dizziness	7 (10.4)	1 (1.5)
Headache	7 (10.4)	0
Ataxia	2 (3.0)	0
Neurotoxicity	2 (3.0)	0
Gait disturbance	1 (1.5)	0
Dysarthria	1 (1.5)	0
Non-hematologic, n (%)		
CRS	58 (86.6)	3 (4.5)

GPRC5D CAR T on-target/off-tumor safety profile differentiated from bispecifics with lower rates of any grade events, and no Grade ≥ 3 events

Registrational trial to be initiated 1H 2024



Quadruple class exposed

IMiD, PI, anti-CD38, anti-BCMA



Explore novel combinations

CELMoDs or anti-BCMA TCE



Expand in 2L+ vs SOC

Key segment in RRMM

Demonstrate high ORR and DOR in a high-need population

Expand development with combinations in earlier disease setting

Potential to explore head-to-head study vs standard therapies

Registrational Trial

Additional studies planned in 2024+

Two multiple myeloma CELMoDs are in registrational trials

iberdomide

- Synergistic in vitro activity with anti-CD38 mAb¹
- Properties enable combinability, enhanced anti-MM activity, and favorable tolerability
- Potential to establish iberdomide in combination with anti-CD38 mAb in earlier lines

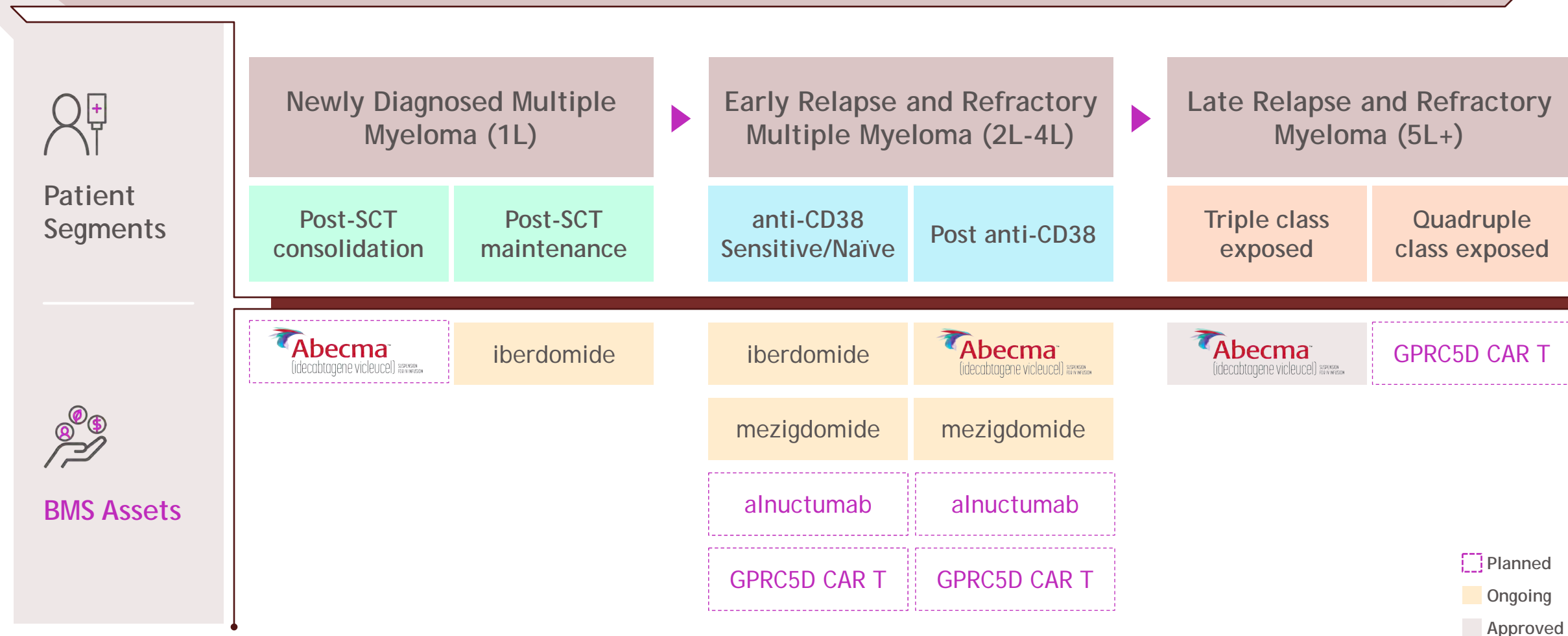
mezigdomide

- Highly potent, optimized for rapid and maximal degradation of target proteins
- Induces tumor cell death and responses needed to regain control in advanced disease
- Potential to establish mezigdomide-PI triplet combination in later lines, post-lenalidomide and anti-CD38 mAb

Asset (indication)	Phase 1	Phase 2	Phase 3	Projected Data Readout
mezigdomide (RRMM 2-4L)	SUCCESSOR-1 ²			2026
mezigdomide (RRMM 2L+)	SUCCESSOR-2 ³			2026
iberdomide (RRMM 2-3L)	EXCALIBER-RRMM ⁴			2026
iberdomide (post-SCT maintenance)	EXCALIBER-MAINTENANCE ⁵			2029



Extending leadership in multiple myeloma: Opportunity to help patients across their treatment journey



Broadening leadership across malignant and benign Hematology



Reblozyl:

- Recent FDA approval in 1L MDS-associated anemia with a broad label
- 1L TD Myelofibrosis associated anemia Phase 3 ongoing



Numerous assets to extend leadership in Multiple Myeloma:

- **Abecma** is under regulatory review in the triple class exposed population; Phase 3 initiating in patients with sub-optimal response post-ASCT
- **GPRC5D CAR T** as a potential first-in-class CAR T with registrational program initiating next year
- **iberdomide & mezigdomide** registrational data expected in 2026
- **alnuctamab** initiating Phase 3 next year



Strengthening breadth of leadership across leukemias, lymphomas, and benign hematology:

- Best-in-class **Breyanzi** expanding across the broadest array of B-cell malignancies
- **Golcadomide** moving into Phase 3 in 1L LBCL
- **BET inhibitor (BMS-986158)** as a potential new option for patients with Myelofibrosis

Addressing hematologic diseases impacting 4M+¹ patients

Oncology



Addressing high unmet medical need in Oncology

Asset	Approved	Registrational†	Exploratory/PoC Studies†
	26 approvals across 11 tumors	9 ongoing trials	-
	1L melanoma	<ul style="list-style-type: none"> Adj. melanoma 2L/3L+ MSS CRC 1L melanoma SC 	<ul style="list-style-type: none"> 1L/2L+ HCC 1L NSCLC
repotrectinib ²	-	1L ROS1+ NSCLC	NTRK Pan Tumor
subcutaneous nivolumab ¹	-	U.S. - All Q2W & Q4W indications (bridging from 2L RCC)	-
AR LDD	-	-	2L+ mCRPC
DGK Inhibitor	-	-	Solid tumors
farletuzumab ecteribulin	-	-	NSCLC & ovarian
TIGIT Bispecific	-	-	NSCLC & gastric

Continuing to grow Opdivo / Dual IO

26
OPDIVO
approvals

10
YERVOY
approvals

11
tumors

Metastatic Setting

Tumor/Trial	Status	Tumor/Trial	Status
Subcutaneous nivolumab CM-67T	2023 Readout	MSI-H CRC CM-8HW Opdivo + Yervoy	2025 Readout
1L MIUC CM-901 Opdivo + Yervoy vs SOC chemo	2024 Readout	1L HCC CM-9DW Opdivo + Yervoy vs sorafenib / lenvima	2025 Readout

Early-Stage Setting

Tumor/Trial	Status	Tumor/Trial	Status
NSCLC (Peri-Adj) CM-77T Neo-adj Opdivo + chemo followed by Adj Opdivo vs chemo	2024 Readout	NSCLC Stage 3 (Unresectable) CM-73L Opdivo mono, O+Y vs Imfinzi	2025 Readout
NSCLC (Adj) ANVIL Opdivo vs Observation	2024 Readout	HCC (Adj) CM-9DX Opdivo vs Placebo	2025 Readout
MIBC (Peri-Adj) CA017-078 Opdivo + chemo vs chemo	2024 Readout		

SC administration has clear benefits for patients, HCPs, and healthcare systems

HCPs and Healthcare System

- **Logistical:** Complex scheduling demands due to higher patient volume¹
- **Resource utilization:** Overlapping duties for staff, inefficient patient to nurse ratios^{1,2}

- Reduces chair time (~5 min)³
- Allows rapid drug delivery³
- Reduces staff needed for administration^{3,4}
- Improves healthcare resource utilization^{3,4}

Patients

- **Time burden:** Inconvenience⁵, opportunity cost/income loss⁶
- **Emotional burden:** Loss of normality long-term survivorship and 'chronic care'⁷

- Reduces time in clinic³
- Improves scheduling and administration^{8,9,10}
- Improves patient QOL^{3,4,11}

Subcutaneous nivolumab: Opportunity for a near-term launch potentially benefitting patients into the early 2030s

Checkmate 67T¹: Phase 3 study

- Patients with advanced or metastatic ccRCC who have received prior systemic therapy

Primary Endpoint:

- Time-averaged serum concentration over 28 days (Cavgd28)
- Trough serum concentration at steady-state (Cmin)

Key Secondary Endpoint:

- ORR



Arm A
subcutaneous nivolumab
+ rHuPH20

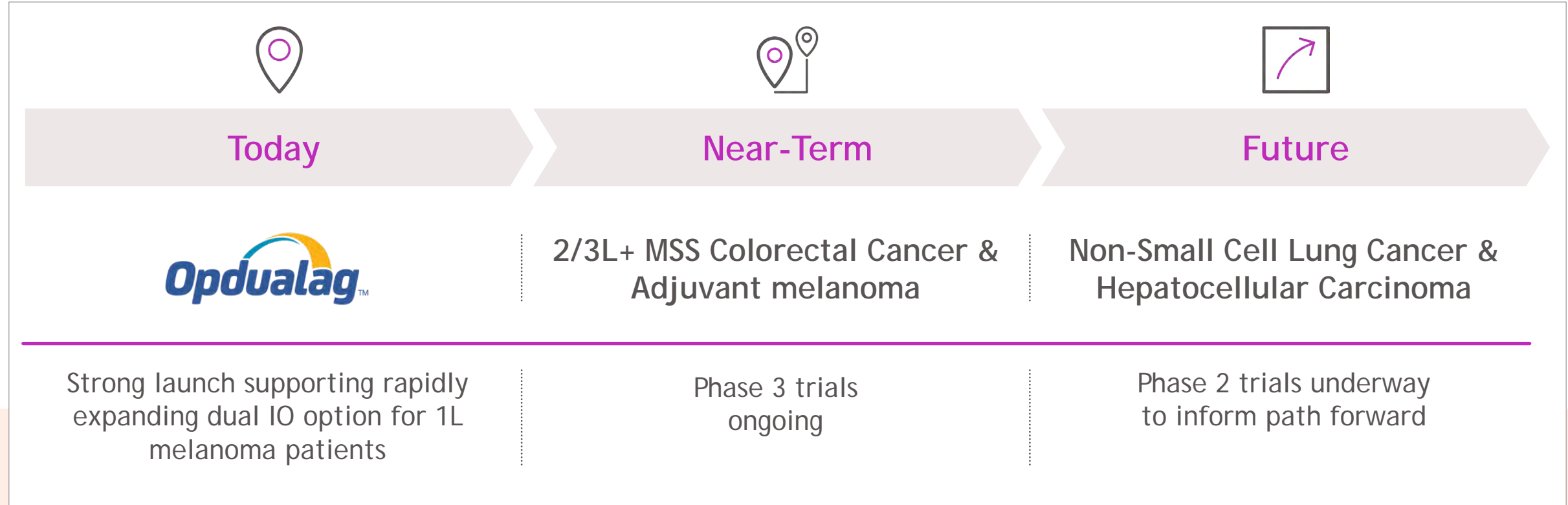
Arm B
intravenous nivolumab

Data expected later this year & launch anticipated in 2024/2025

U.S. Regulatory path opens up indications with Q2W and Q4W dose²

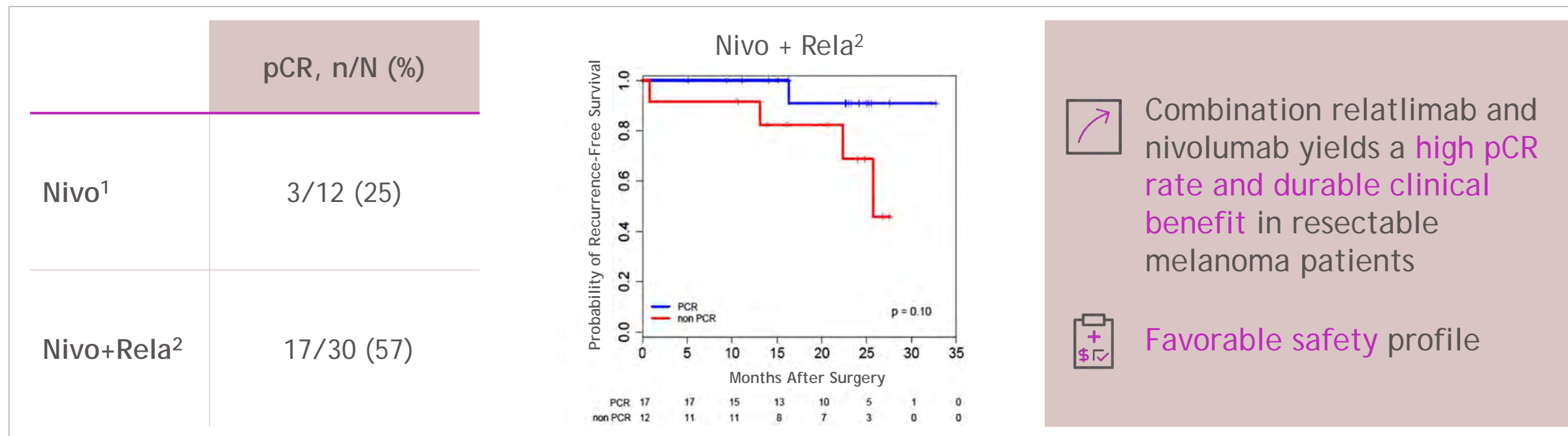
Indications encompass majority of Opdivo 2022 net sales in the U.S.

Next-generation IO medicine with significant potential to benefit patients into the next decade



Adjuvant Melanoma: High conviction indication with potential to benefit patients before disease spreads

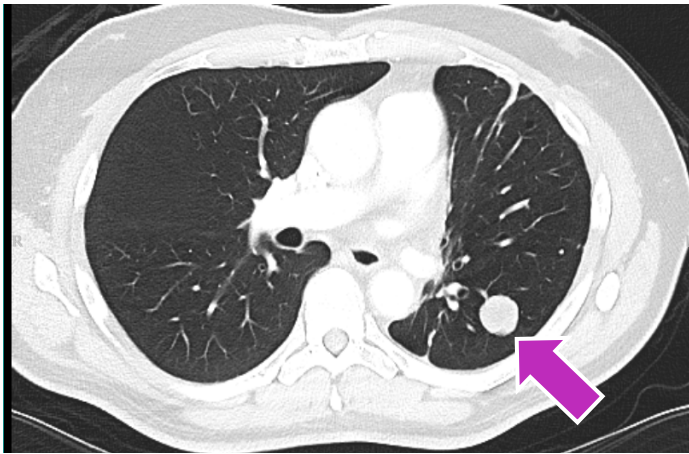
Clear evidence of neo-adjuvant activity with relatlimab and nivolumab complements proven benefit in metastatic setting



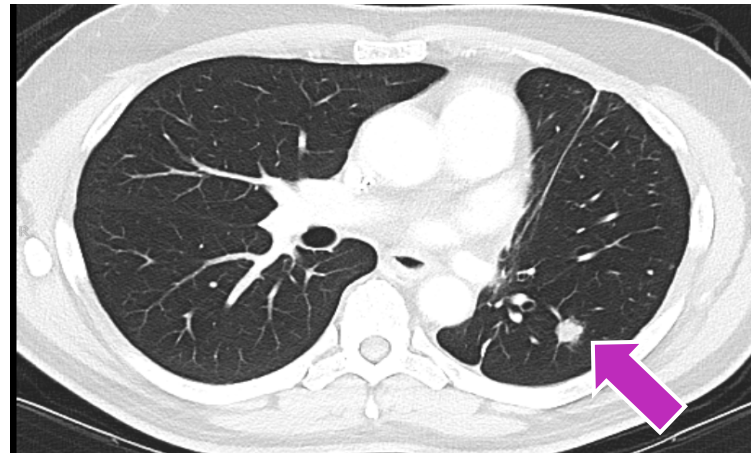
Opdualag: Potential therapy option for ~21K adjuvant patients vs ~13K 1L metastatic patients in the U.S.³
RELATIVITY-098 Phase 3 ongoing: **Data expected in 2026**

MSS CRC: Combination benefit where PD-1 alone has not shown activity

Patient with recurrent, metastatic MSS rectal adenocarcinoma after 3 lines of treatment in the metastatic setting



Baseline



3 months into treatment



9 months into treatment

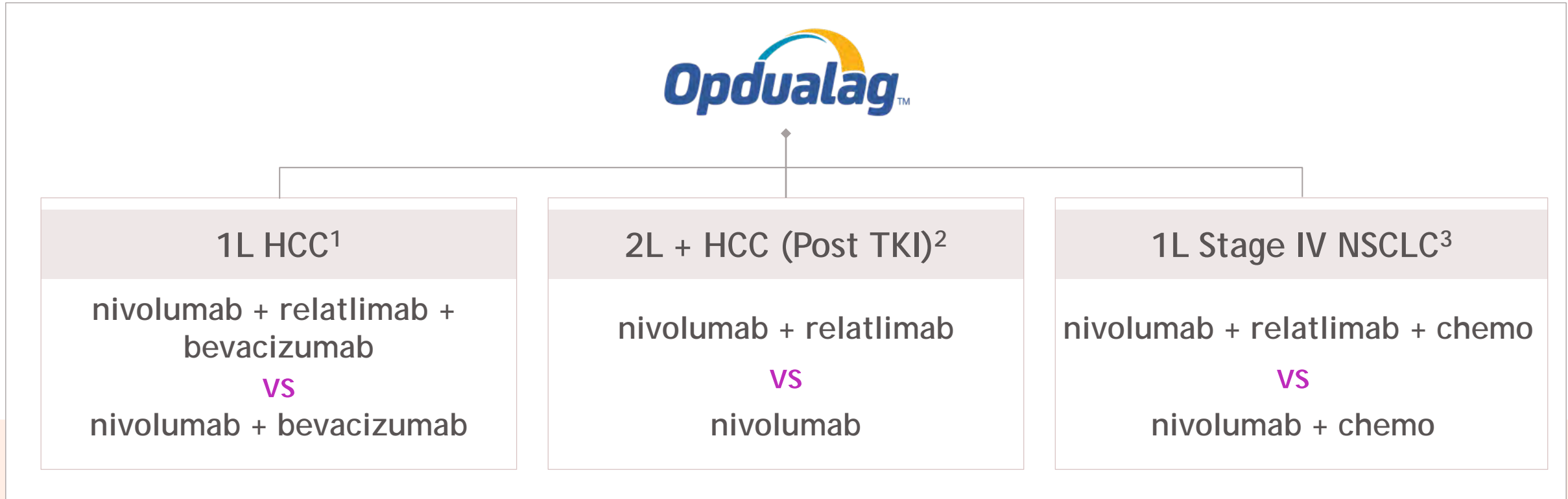
Partial Response (-38% decrease) in target lesions for 11+ months

RELATIVITY-123 **Phase 3 ongoing:**

Opdualag vs regorafenib or TAS-102 in later lines of metastatic colorectal cancer

Data expected in 2025

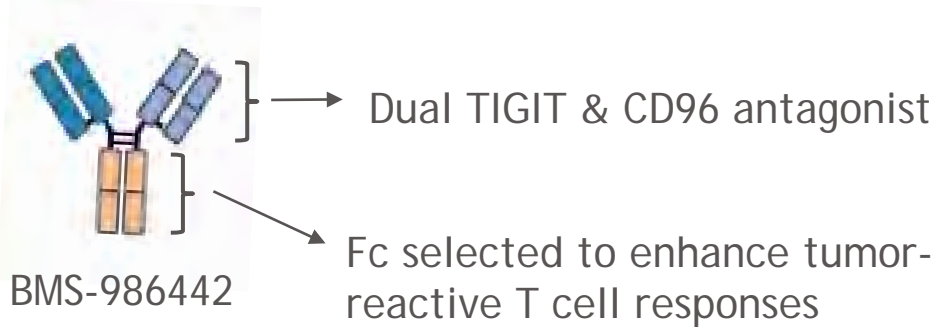
Ongoing Phase 2 studies to inform Phase 3 program



Key takeaways from **Phase 2 studies inform and potentially de-risk** the Phase 3 program

BMS-986442: Differentiated TIGIT & CD96 bispecific antibody in Oncology

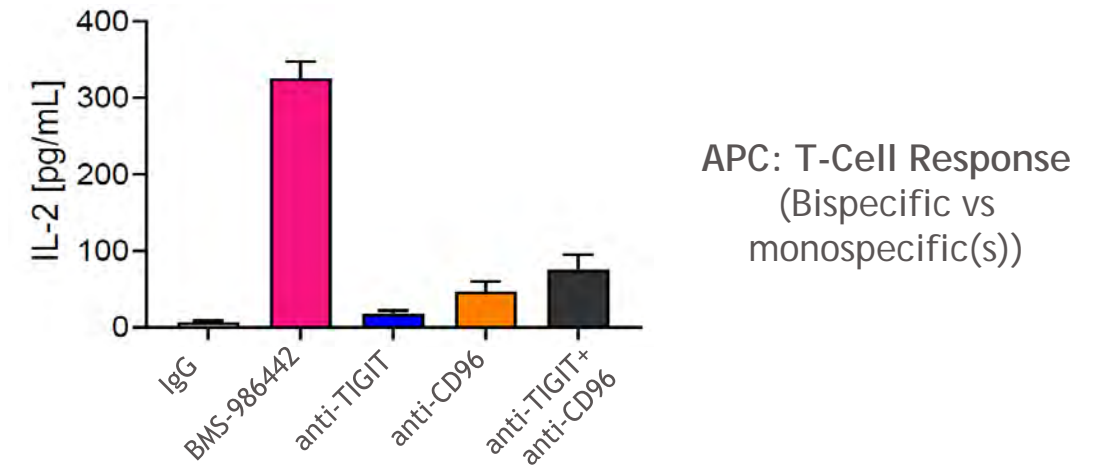
Antagonizes TIGIT & CD96 binding to CD155



Program Overview: Licensed from Agenus

- Phase 1 single-agent trial complete
- Phase 1/2: Evaluating combinations (e.g., PD-1 ± chemotherapy) in dose escalation with data anticipated next year
- Positive data enables clinical development acceleration
- Initial tumors of interest: NSCLC & Gastric cancer

MoA: Drives T & NK cell anti-tumor immunity



- CD96 & TIGIT are complementary targets in the same pathway & negatively regulate T & NK cell function in the tumor microenvironment^{1,2,3}
- BMS-986442 potentially enhances the quality & magnitude of T cell responses (vs TIGIT & CD96 monospecific antibodies) through dual inhibition on APC or tumor cells⁴

Dual DGK α / ζ inhibitor builds on our depth in Oncology to potentially deliver a transformational oral CPI

Transformational potential

First-in-class, oral therapy as a T cell checkpoint inhibitor (CPI) as monotherapy or in combination with approved CPIs

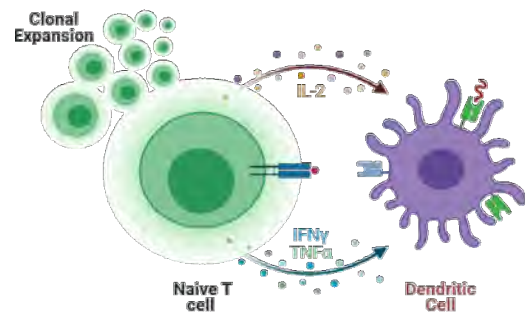
Matching modality to mechanism

A *dual* alpha/zeta inhibitor sensitizes CPI-resistant pre-clinical models through CD8 priming and clonal expansion, leading to tumor cell killing in combination with anti-PD1 and anti-CTLA4 therapies

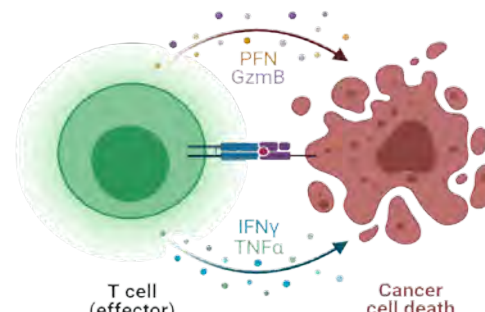
Causal human biology

Translational insights from IO-refractory patients demonstrates mechanisms of resistance related to low antigenicity, lack of co-stimulation, and T cell anergy.

Amplifies CD8 priming
& clonal expansion



Amplifies CD8 killing
of tumor cells



Path to clinical proof-of-concept

IO Resistance Mechanisms

DGKi

Low TMB



Low antigenicity



Low MHC1



Lack of co-stimulation



T cell anergy



Effective & tolerable treatment options needed in metastatic castrate resistant prostate cancer (mCRPC)

High unmet need remains in prostate cancer:

- Expected U.S. mortality is ~35K¹ men in 2023
- 5-year OS¹ decreases from >97% to ~32.5% in the localized vs metastatic setting

Current SOC - NHT²

- AR is a key driver of prostate cancer and AR-targeted therapies remain current SoC
- Traditional AR antagonists (e.g., enzalutamide) inhibit AR in a reversible manner
- This AR inhibition is overcome by upregulation of wildtype (WT) or mutation of AR in cancer cells, leading to resistance:
 - AR WT amplification (~50%)³
 - AR mutations (~15-20%)³
- Post-NHT progression, limited options for patients (e.g., chemo)

AR LDD

- AR LDD induces irreversible AR degradation in a catalytic manner leading to deeper, more potent AR inhibition
- Potentially paradigm-shifting MoA overcomes resistance mechanisms to NHT including AR WT amplification and mutations
 - Preclinical models demonstrated activity in both settings
- Potential to improve efficacy, safety, & tolerability in the post-NHT setting

AR LDD phase 1 design in 1L & 2L mCRPC

Open label¹: Assess the safety, tolerability and preliminary efficacy

Key eligibility criteria

- Histologically or cytologically confirmed adenocarcinoma of the prostate
- Progressed on ADT and ≥ 1 prior secondary hormonal therapy approved for CRPC
- ECOG performance status (PS) 0 or 1
- Dose escalation/Dose expansion

Primary endpoint

- Safety and tolerability

Key secondary endpoints:

- Confirmed Prostate Specific Antigen (PSA) decline of $\geq 50\%$ from baseline (PSA50)
- Objective soft tissue response (CR or PR), DoR, rPFS, PSA PFS

Part A
Dose escalation

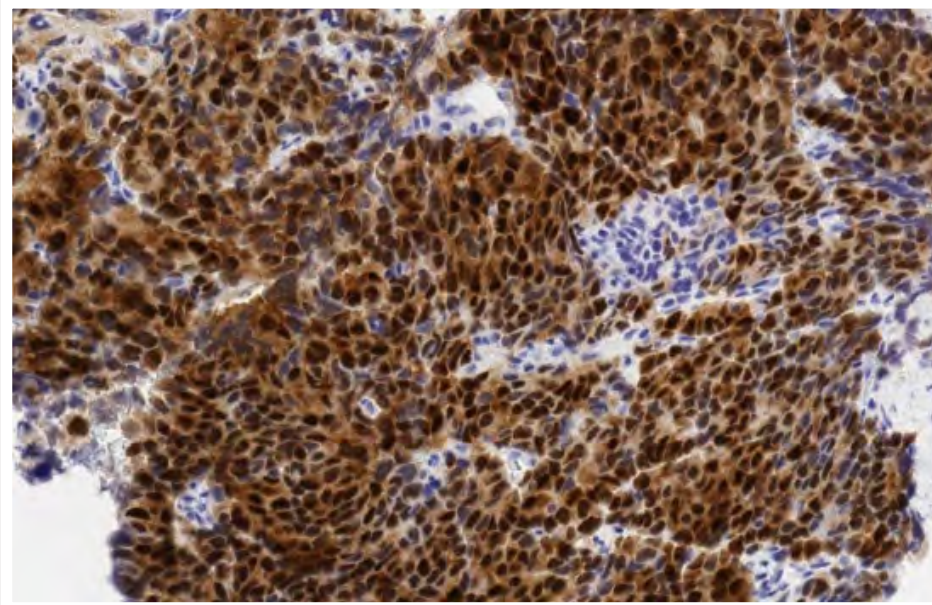
Part B
Dose expansion
to optimize RP2D

Data anticipated in 2024

AR LDD demonstrates on target AR degradation in tumor biopsy

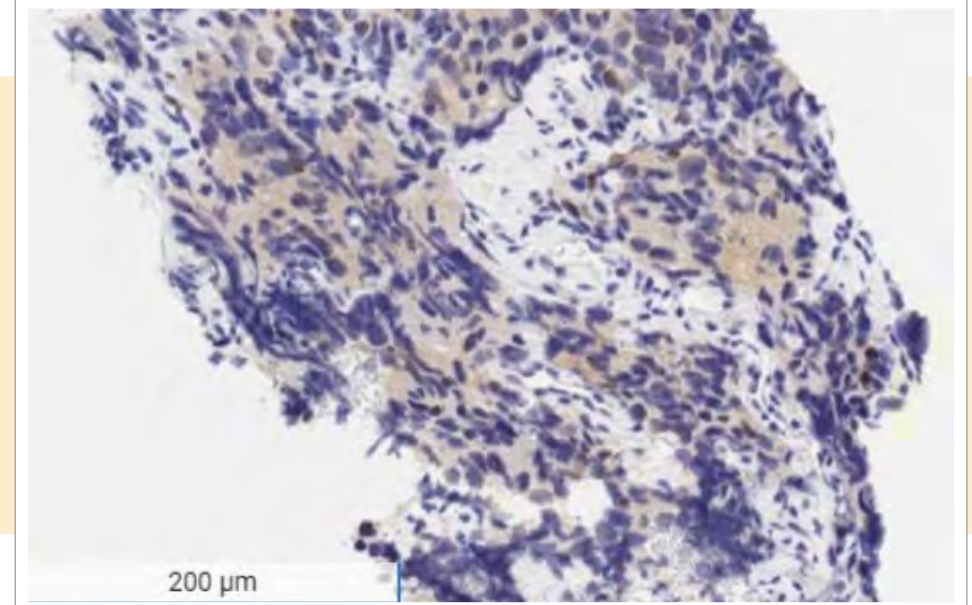
Screening

Patient
Example



AR protein is highly expressed
in tumor cells

On Treatment



AR protein levels degraded with
AR LDD after one cycle

Confirmation of mechanism of action of AR LDD from first-in-human study



69 yr old male with mCRPC since 2022¹



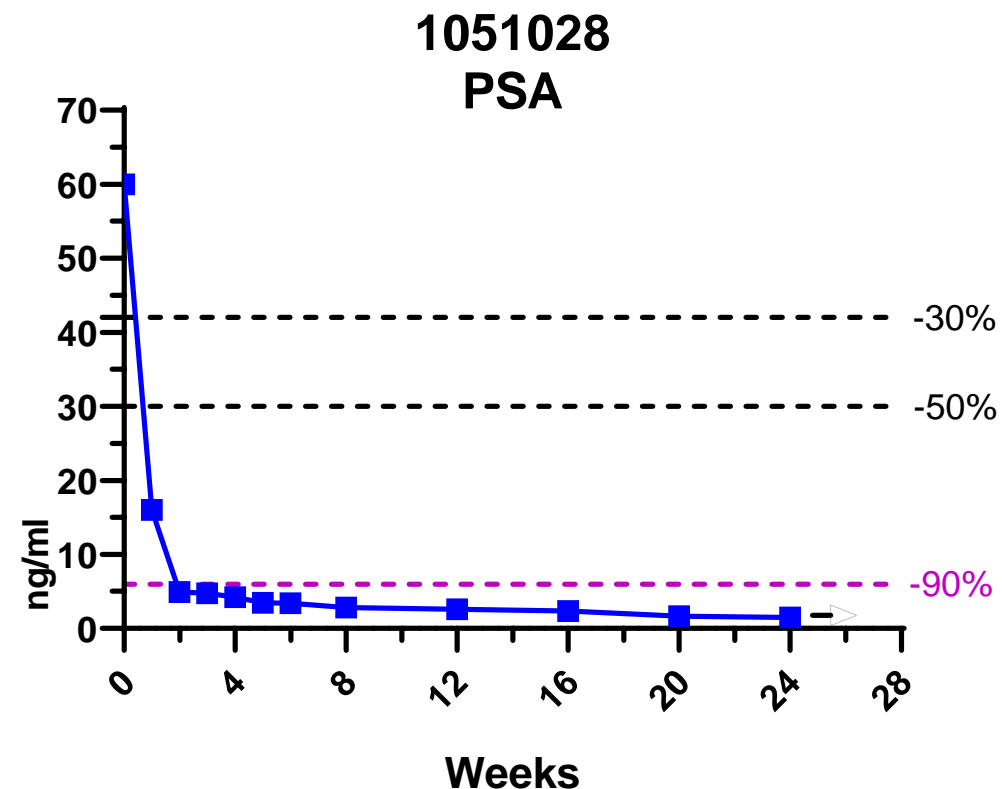
Prior Tx: ADT, enzalutamide, avelumab + talazoparib



Pt entered study with AR amplification, BRCA2 mutation, rising PSA and progressive soft tissue disease



Treated with AR LDD; responded rapidly with PSA90*



*Observed PSA decreases in this patient only serve to illustrate MoA and are not intended to represent expected outcomes

AR LDD: Opportunity to move into pivotal studies in next 18 months

Next Steps



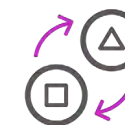
Phase 1 data across **mutant/wildtype subgroups** to be presented at a medical congress in 2024



Discuss **pivotal study** options with health authorities



Consider expanding into **hormone sensitive** indications



Explore **novel combinations** to potentially enhance efficacy or synergy

Extending IO leadership while diversifying beyond IO



Extending leadership in IO

- **Subcutaneous nivolumab**: Potential to benefit patients into early 2030s with data anticipated this year
- **Opdualag**: 3rd approved IO agent; Approved in 1L melanoma; Phase 3 studies in adjuvant melanoma and mCRC ongoing
 - Ongoing Phase 2 studies in HCC and lung to inform Phase 3 program



Select next-gen IO

- **BMS-986442**: Differentiated TIGIT bispecific antibody targeting both TIGIT and CD96
- **DGK inhibitor**: Potential transformational, oral dual inhibitor in solid tumors



Diversifying beyond IO

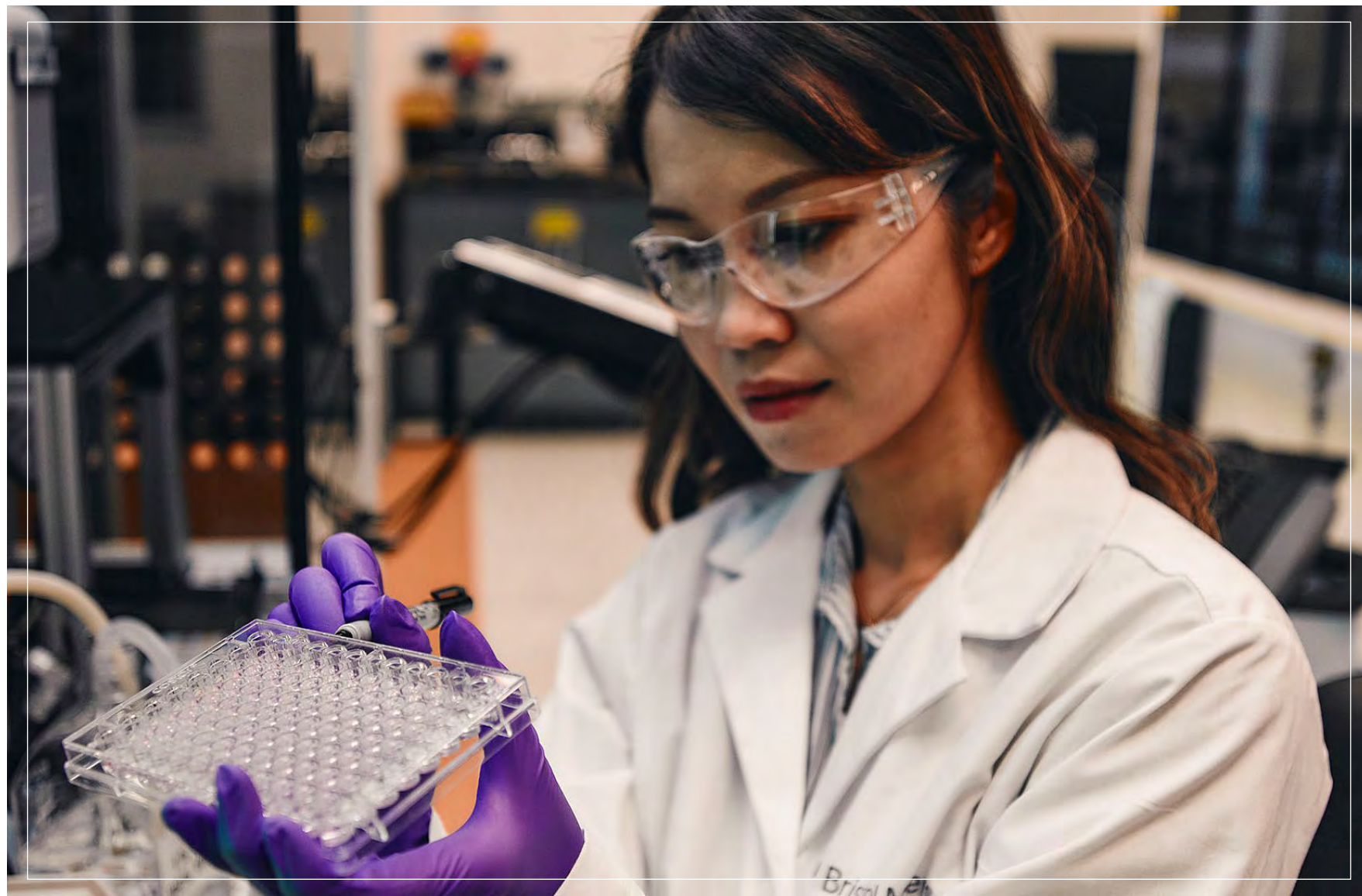
- **AR LDD**: Significant opportunity in mCRPC with data expected early next year; initiating pivotal trial in next 18 months
- **repotrectinib**: Potential best-in-class, next generation ROS1/NTRK inhibitor; PDUFA November 27, 2023

Addressing oncologic diseases impacting 1.2M+¹ patients


Program will reconvene following a short break



Cardiovascular

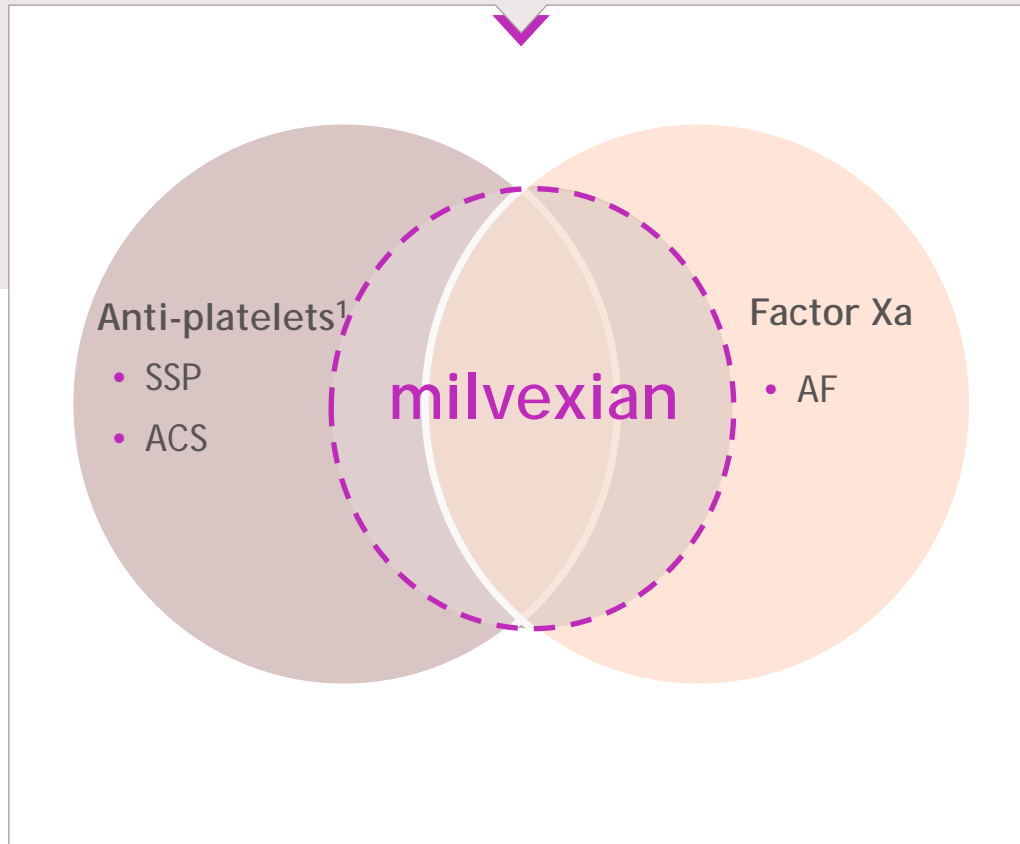


Opportunity to develop medicines in important Cardiovascular indications

Asset	Approved	Registrational†	Exploratory/PoC Studies†
	Obstructive Hypertrophic Cardiomyopathy	Non-obstructive Hypertrophic Cardiomyopathy	-
milvexian	-	<ul style="list-style-type: none"> Secondary Stroke Prevention Acute Coronary Syndrome Atrial Fibrillation 	-
MYK-224	-	-	<ul style="list-style-type: none"> Obstructive Hypertrophic Cardiomyopathy Heart Failure with preserved Ejection Fraction
danicamtiv	-	-	Dilated cardiomyopathy

Milvexian: Opportunity to expand anticoagulation beyond FXa to benefit millions of patients

Opportunity to address multiple thrombotic conditions of high unmet need



Target profile: Efficacy comparable or better to FXa with better bleeding profile



~7.5M patients² in U.S. with thrombotic diseases need treatment



Robust phase 2 program has demonstrated a differentiated anticoagulant profile



LIBREXIA program is the largest and most comprehensive phase 3 registrational program ongoing (SSP, ACS & AF)



U.S. FDA granted Fast Track Designation to all 3 indications ongoing in Phase 3 studies

Our framework reinforces confidence in milvexian as a next-generation anti-thrombotic

Transformational potential

Oral anti-coagulant with a potential for comparable/better efficacy with reduced bleed risk to a broader range of patients

Matching modality to mechanism

Milvexian has high affinity and specificity for FXIa, high oral bioavailability and demonstrates a wide therapeutic index in preclinical models of thrombosis

Causal human biology

Congenital FXI-deficient patients:

- Lower risk for venous thromboembolism & ischemic strokes
- Spontaneous bleeding is uncommon

Risk of CV events lower by¹

▼ **48%**

In patients with mild deficiency
HR 0.52

▼ **43%**

In patients with moderate-to-severe deficiency
HR 0.57¹

Risk of VTE lower by

▼ **61%**

In patients with mild deficiency
HR 0.39

No VTE events

In patients with moderate-to-severe deficiency¹

Path to clinical proof-of-concept



Human genetic data



Epidemiologic observations



Pre-clinical models

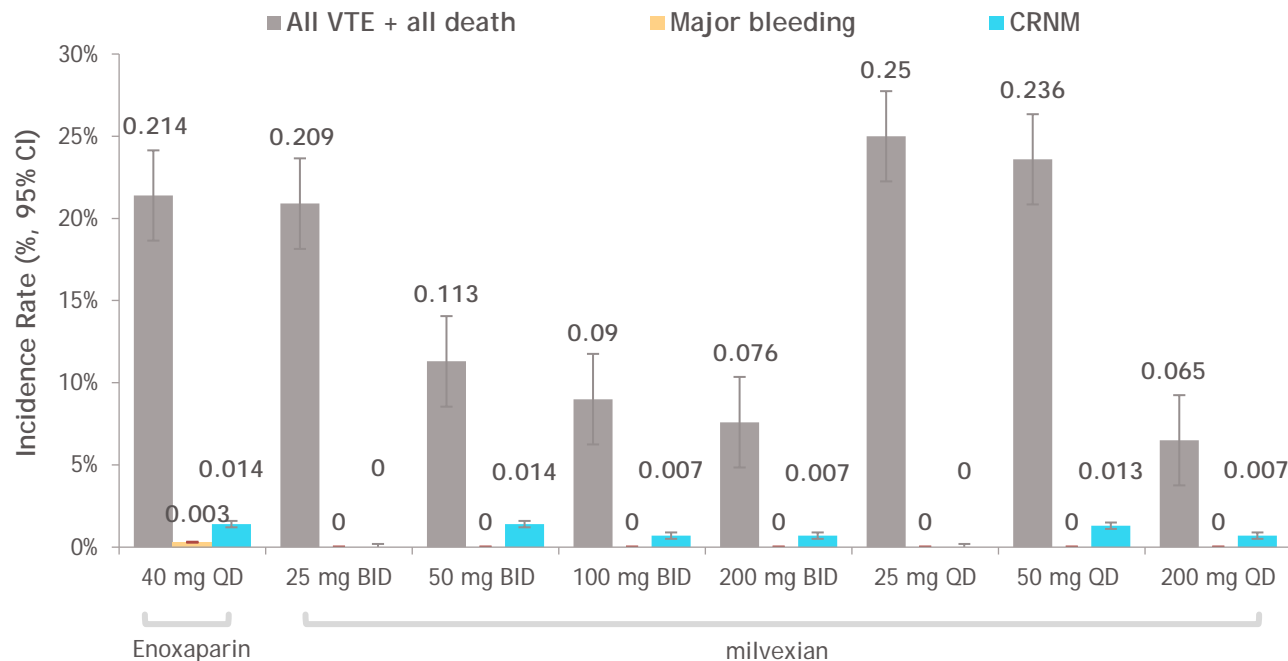


Phase 2 studies

TKR study demonstrates a differentiated monotherapy profile: Supports moving into AF

Monotherapy

AXIOMATIC-TKR study¹



AXIOMATIC-TKR¹ Phase 2 data



Efficacy

Robust efficacy with superiority vs enoxaparin



Safety

No major bleeds observed in milvexian arms



Dose Response

Clear efficacy & no dose response in bleeding observed → distinct from existing anticoagulants



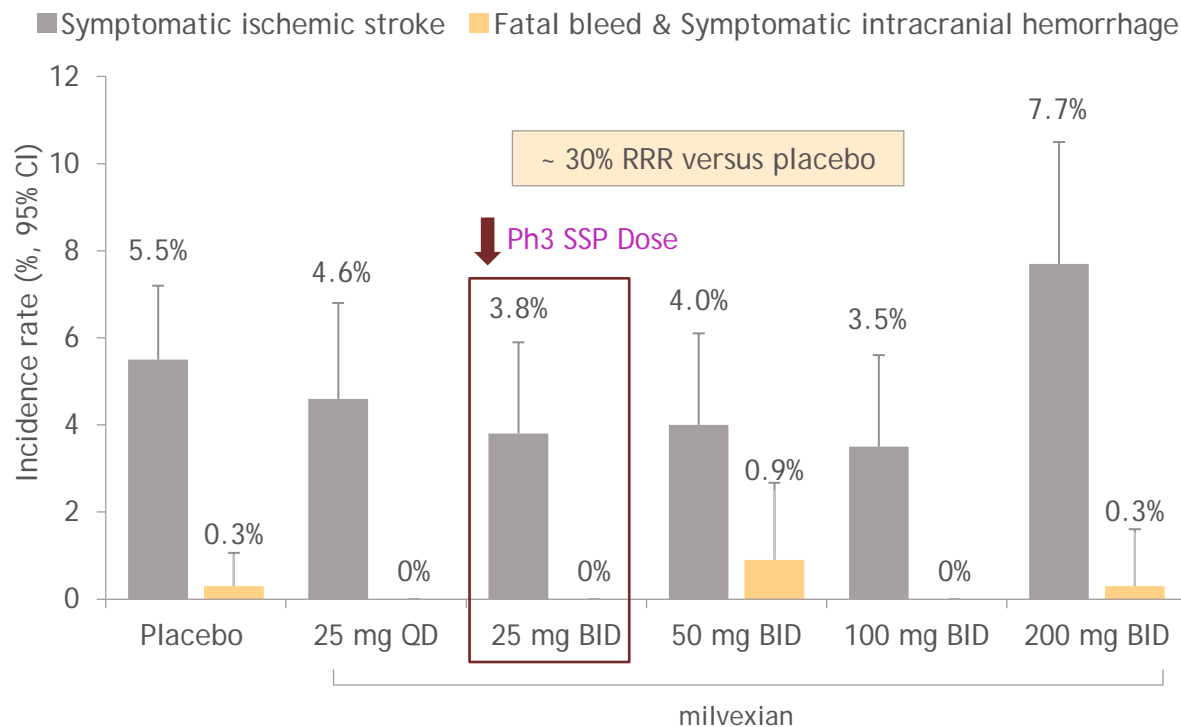
Supports Phase 3 AF trial

Milvexian has potential to offer comparable/better efficacy with reduced bleed risk to a broader range of patients

Data from the SSP Phase 2 study gives us confidence to move to Phase 3 in combination with anti-platelet treatments

Combination Therapy

AXIOMATIC-SSP study¹



Efficacy

Clinically meaningful (~30%) reduction in ischemic stroke (primary endpoint for Phase 3 SSP) across several fold dose range



Safety

- No fatal bleeding
- No signal for increase in intracranial bleeds
- No apparent dose response in bleeding



Dose Response

- Dose response in ischemic stroke with early plateau at 25mg BID
- Phase 3 dose 25mg BID

Phase 2 data supports Phase 3 studies in SSP and ACS

SSP data provides proof-of-concept in ACS

Acute Coronary Syndrome Unmet Need

- Risk of recurrent CV events remains high despite dual antiplatelet therapy (5-10% annually)^{1,2}
- Current treatments (antiplatelets & anticoagulants) decrease CV events, but increase risk of major bleeding
- 900K³ patients diagnosed in the U.S.

Scientific rationale for milvexian in ACS



Ischemic stroke and ACS share similar underlying pathophysiology and treatment



FXa on top of dual antiplatelet shows efficacy but with excess bleeding



In AXIOMATIC-SSP, **milvexian demonstrated efficacy** in reducing recurrent ischemic stroke with **no increase in severe bleeding** vs. placebo

Phase 3 study in ACS underway

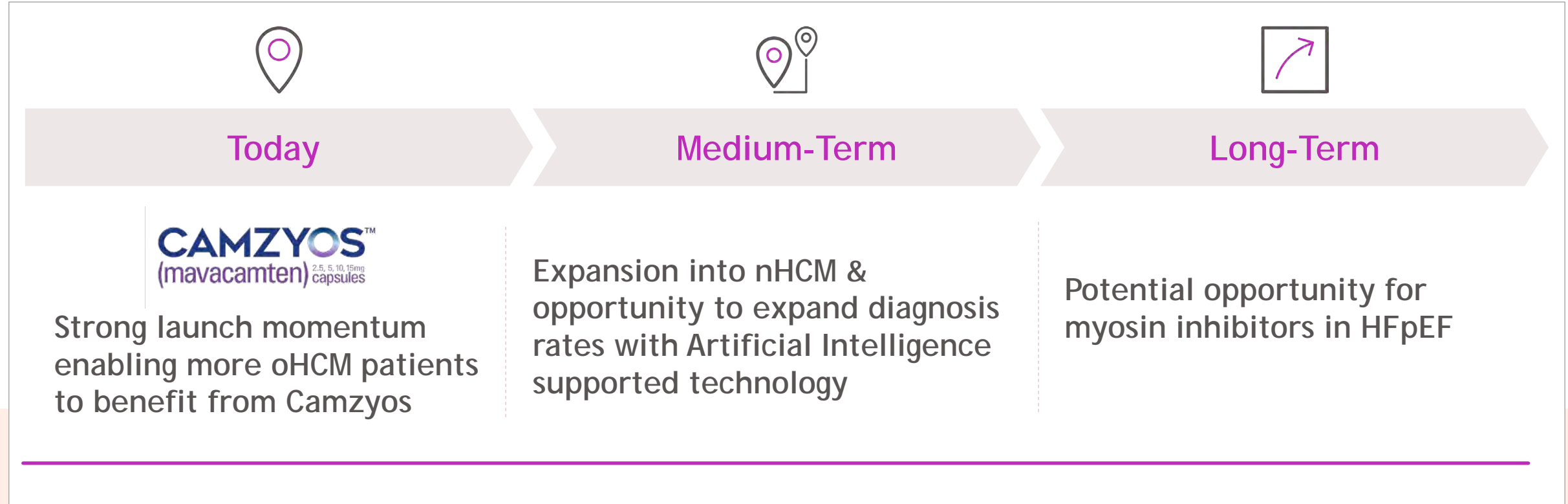
Confidence in profile supports three parallel Phase 3 trials in SSP, ACS, and AF

Indication	Phase 1	Phase 2	Phase 3	Projected Data Readout
Secondary Stroke Prevention	LIBREXIA-STROKE ¹ (Dose: 25mg BID)			2026
Acute Coronary Syndrome	LIBREXIA-ACS ² (Dose: 25mg BID)			2026
Atrial Fibrillation	LIBREXIA -AF ³			2027

The LIBREXIA Phase 3 studies represent the largest, most comprehensive program for a Factor Xla inhibitor

U.S. FDA granted **Fast Track designation** to all 3 indications

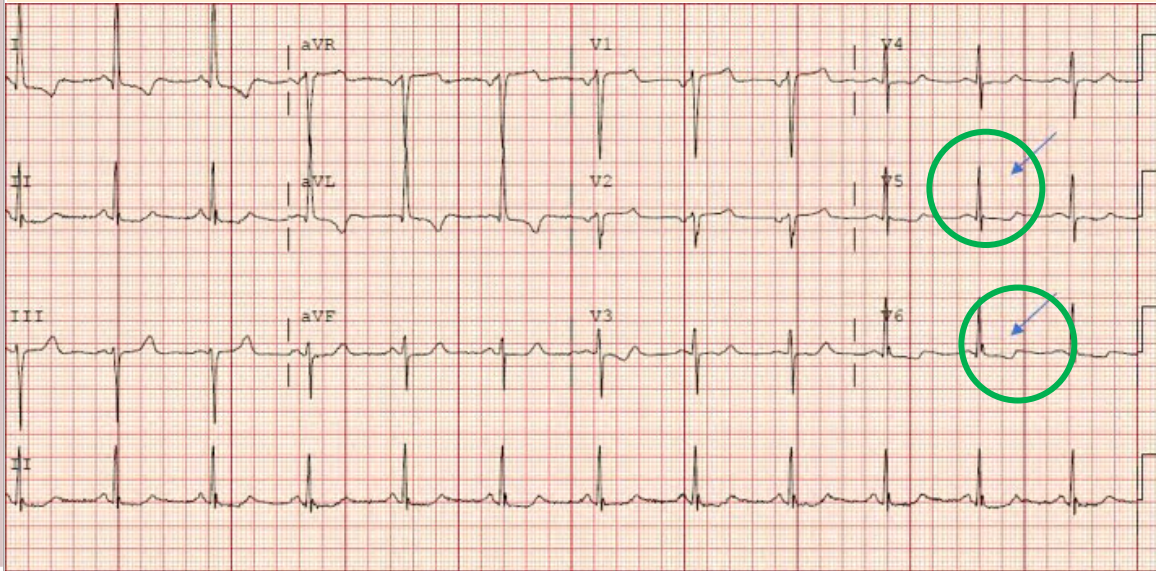
Expanding myosin inhibitor franchise in HCM and HFpEF



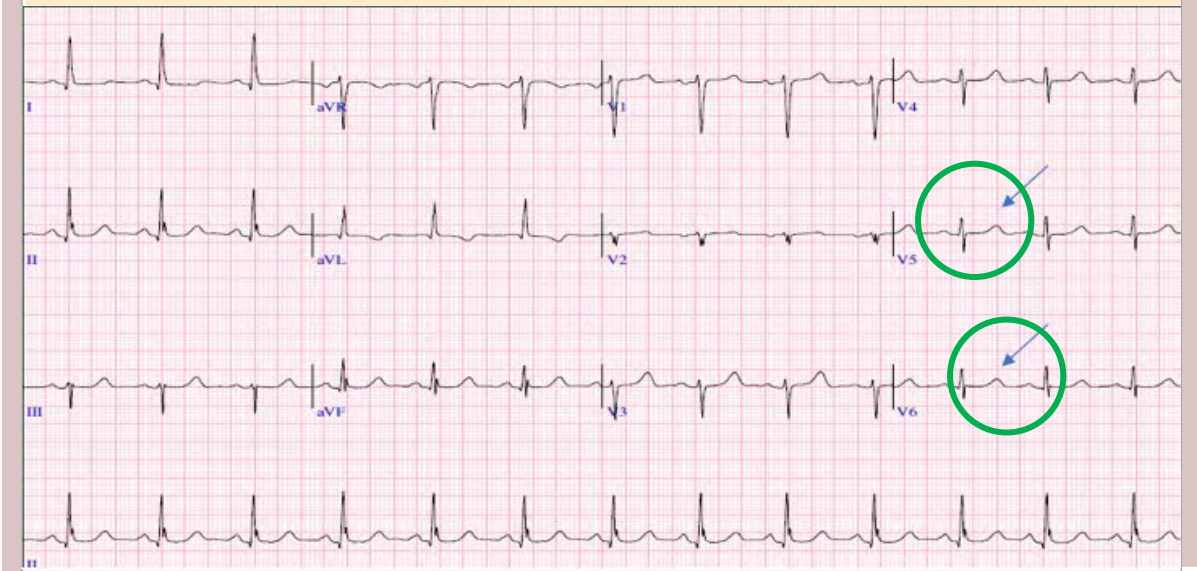
Continued evolution of data suggests disease modifying ability of Camzyos

oHCM Patient Case (Electrocardiogram)

Before Camzyos Treatment



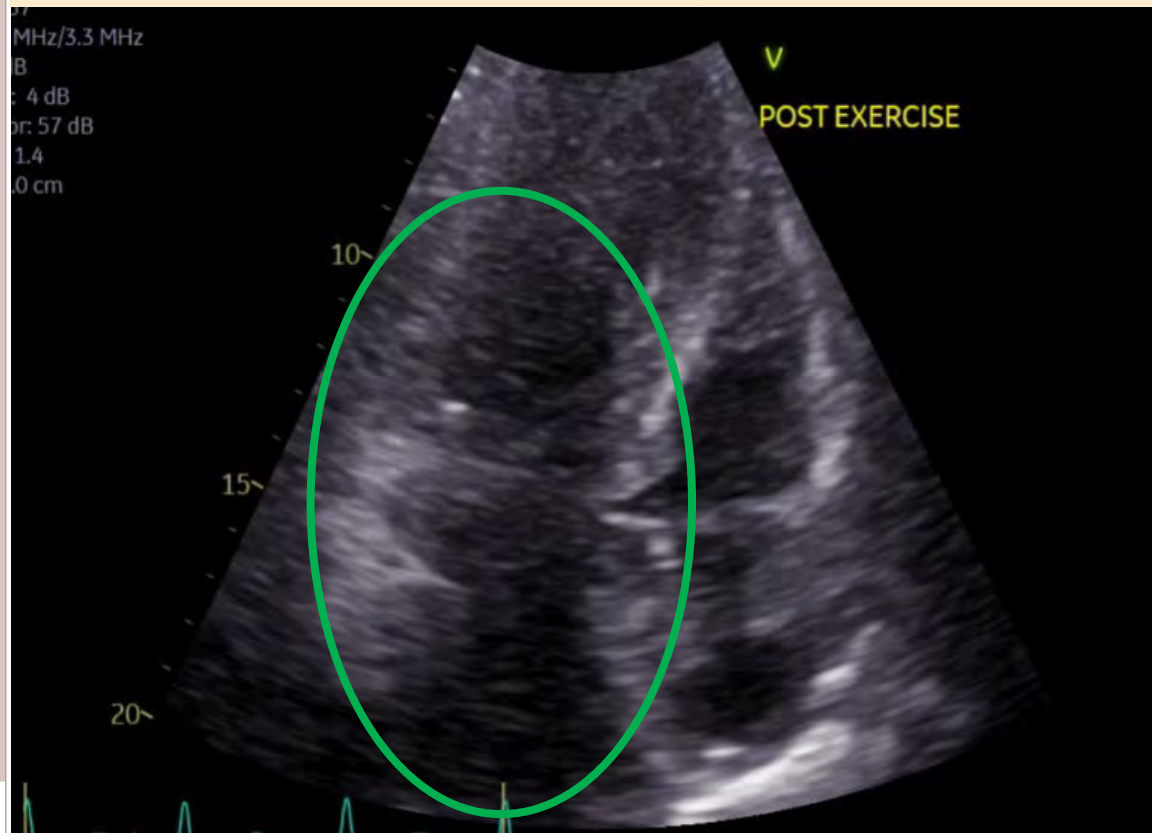
6 Months of Camzyos Treatment



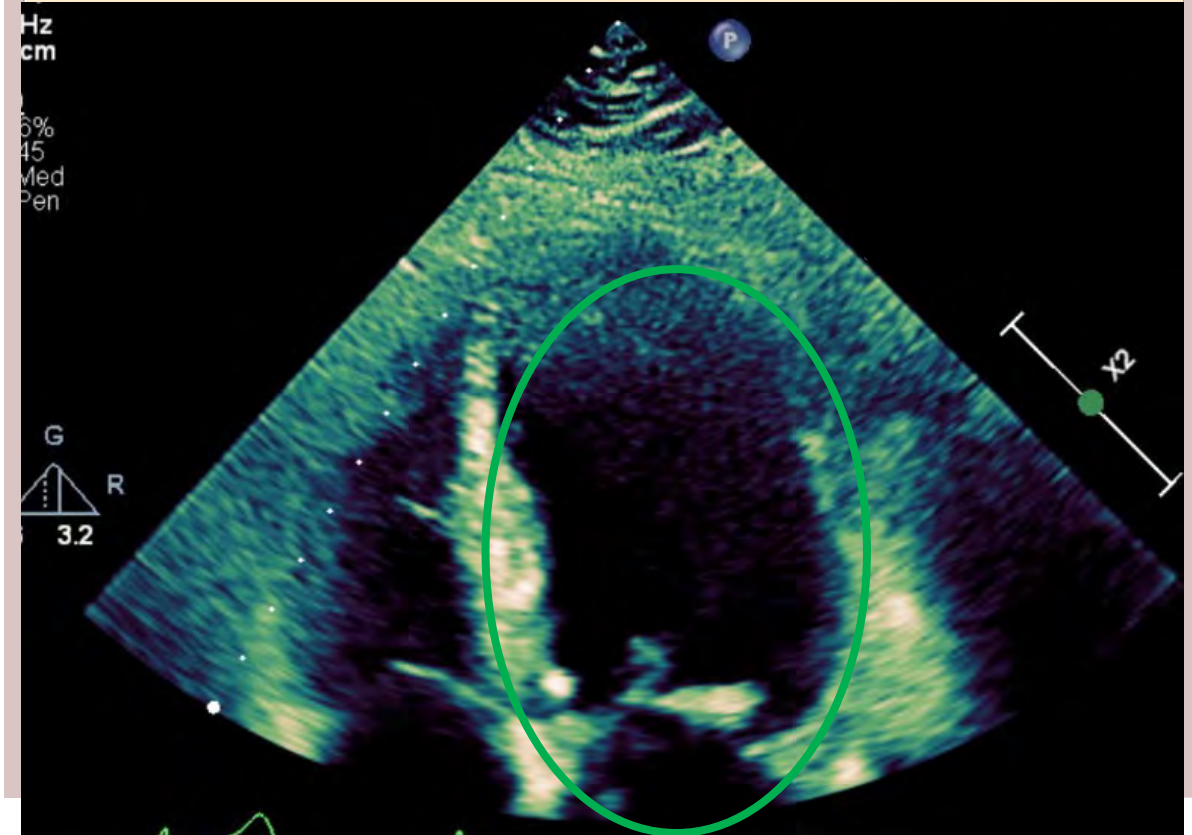
Normalizing trend in the ECG after 6 months of treatment with Camzyos

oHCM Patient Case (Echocardiogram)

Before Camzyos Treatment



6 Months of Camzyos Treatment



Camzyos: Phase 3 trial in nHCM underway



Patients with symptomatic nHCM (NYHA Class II or III)

Key Inclusion:

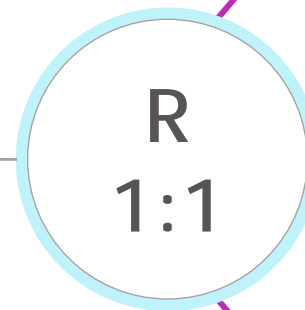
- Diagnosis of HCM per ACC/AHA and ESC guidelines
- Peak LVOT < 30 mmHg at rest / < 50 mm Hg with provocation
- NYHA Class II or III

Key Exclusion:

- Known infiltrative or storage disorder that mimics nHCM
- H/o unexplained syncope within 6 months prior to screening
- H/o SVT within 6 months prior to screening

Assessment of Primary Endpoints at Week 48:

- Exercise Capacity (pVO2)
- PRO (KCCQ)



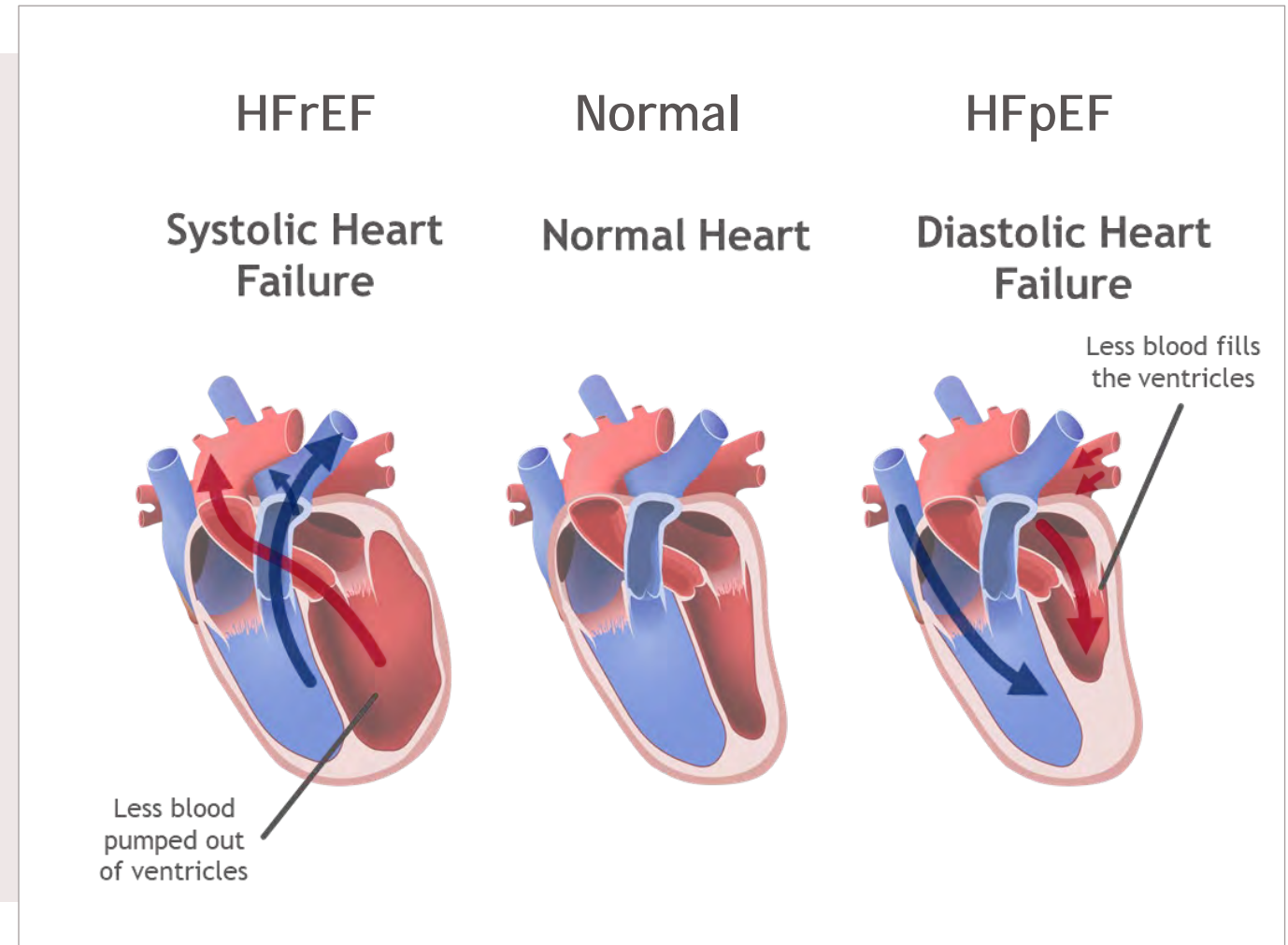
Mavacamten

Placebo

Data expected in 2025

Significant unmet need remains in HFpEF

- HF affects ~6.8 million individuals in the US¹
- HF is classified by clinical signs & symptoms as well as the heart's ability to eject blood
- 50% of HF patient have HFpEF which is a heterogenous disease contributed to by several comorbidities and/or specific causes, e.g., cardiomyopathy²
- Patients with HFpEF typically present with dyspnea and evidence of congestion. There may be evidence of diastolic dysfunction, ventricular stiffening and hypertrophy

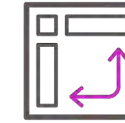


Emerging data suggests a potential role for MYK-224 in HFpEF



MYK-224 profile as a cardiac myosin inhibitor

- Pre-clinical animal models show similar exposure-response with mavacamten¹
- MYK-224 oHCM Phase 2 MERCUTIO trial is ongoing to confirm exposure-response similarity in humans



Role of cardiac myosin inhibitor in HFpEF

- Encouraging interim observations from mavacamten Phase 2a EMBARK suggests myosin inhibitor benefits in HFpEF
- Leveraging entirety of cardiac myosin inhibitor data and experience to support starting dose for MYK-224 in HFpEF

Initiate MYK-224 PoC in HFpEF in 2023/2024

Opportunity for sustained leadership in Cardiovascular

➤ Successful history of developing leading CV medicines (e.g., Plavix & Eliquis)

➤ Extending our leadership in thrombotic diseases

- **Milvexian**: Robust Phase 2 program supported differentiated clinical profile; Phase 3 studies in SSP, ACS and AF underway

➤ Potential opportunity for myosin inhibitors in cardiomyopathies and heart failure

- **Camzyos**: Expansion into nHCM with Ph3 trial underway
- **MYK-224**: Initiating PoC trial in HFpEF based on supportive data

Addressing cardiovascular diseases impacting 17M+¹ patients

Neuroscience



Building an exciting portfolio in neurodegenerative and neuroinflammatory conditions

Neurodegeneration/Neuroinflammation

ALS

Alzheimer's
Disease

Huntington's
Disease

Multiple Sclerosis

Parkinson's Disease

22 active programs in discovery



In Development

Anti-MTBR-
Tau mAb

eIF2B Activator

TYK2i-CNS¹

FAAH-MGLL

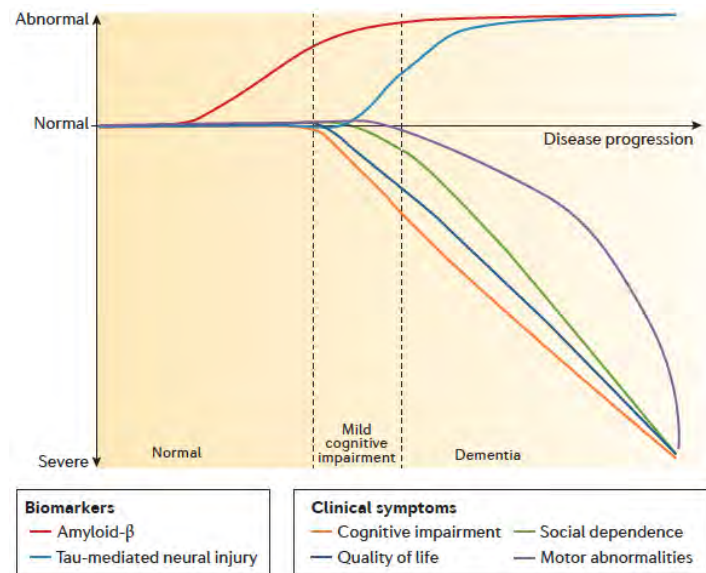


Powered by internal & external
innovation

BMS-986446 (PRX005): Potential best-in-class antibody to slow or halt the progression of Alzheimer's Disease

- The propagation of Tau pathology as Alzheimer's Disease (AD) progresses is thought to be mediated by Tau "seeds" containing the MTBR region of tau¹
- Tau, not Ab, deposition correlates with age of AD onset, disease duration, and cognitive impairment¹

- A Tau fragment (MTBR-Tau 243) has recently been shown to correlate well with tau accumulation as measured by Tau-PET imaging and cognitive impairment³
- BMS-986446 targets MTBR-Tau 243 and binds with high affinity to both the 3R and 4R isoforms of tau^{4,5}



Clinical symptoms

Figure adapted from Masters et al, Nat Rev Dis Prim 2015

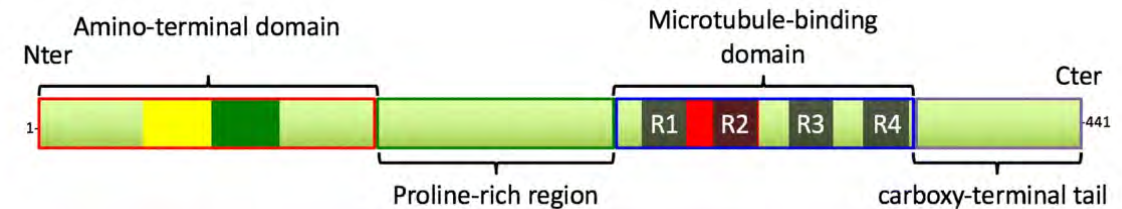


Figure adapted from Colin et al, Acta Neuropathologica 2020

BMS-986446: Preclinical models showed significant reduction of intraneuronal tau pathology and protection against behavioral deficit in a tau transgenic mouse model in vivo and complete blockade of neuronal tau internalization in vitro⁵

Phase 1 data supports rapidly moving BMS-986446 into Phase 2

Phase 1 Findings¹



Safe and well-tolerated in Phase 1 across 3 dose cohorts; no deaths or SAEs observed in healthy participants



Demonstrated dose-proportional anti-tau concentrations in plasma with CNS penetration in healthy participants

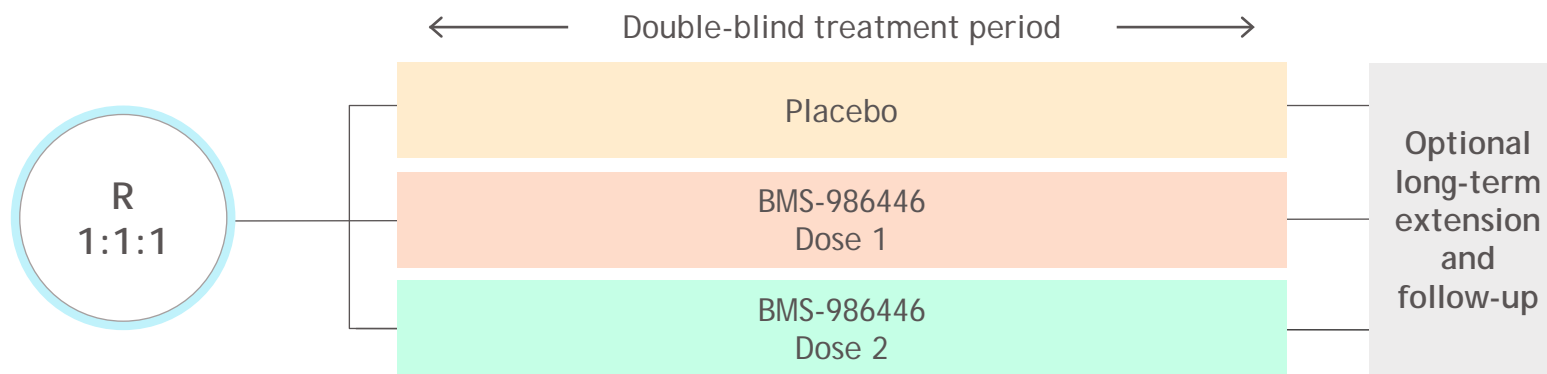


No persistent anti-tau-induced anti-drug antibodies observed



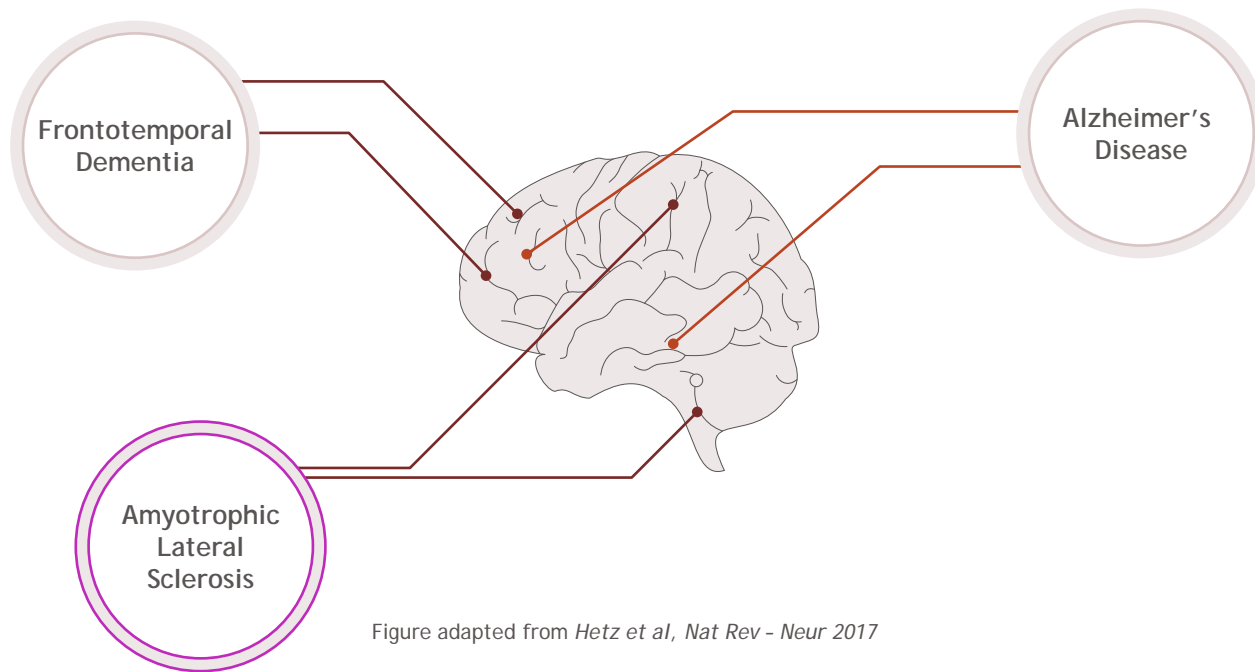
Robust exposure in the CSF at 1-month predicts substantial target engagement in CNS

PoC in Alzheimer's Disease to initiate in 1H 2024



eIF2B Activator (BMS-986419): Potential across a range of neurodegenerative conditions

Misfolded protein accumulation & evidence of ISR activation is present in multiple neurological conditions¹



BMS-986419: Safe and well-tolerated in Phase 1 SAD/MAD study potential opportunity as monotherapy or combinations

- Stressed cells that develop a chronically activated ISR accumulate misfolded proteins that impair cell functions and can lead to cell death
- The eIF2 complex is an ISR “master regulator” that becomes dysfunctional in chronic disease
- BMS-986419 binds to a subunit in the eIF2 complex (eIF2B) restoring normal ISR function, protein clearance and cellular homeostasis

Phase 2 study in ALS initiating in 2024

ALS: Rapidly progressing & fatal neurodegenerative disease caused by death of motor neurons:

- Survival is typically only 2-5 years from symptom onset³
- ~39k⁴ diagnosed prevalent patients in the U.S.
- Limited treatment options

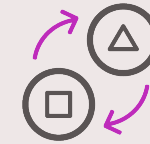
Re-establishing Neuroscience pipeline



Building a diverse pipeline
across an array of
neurodegenerative &
neuroinflammation diseases



Anti-MTBR-Tau moving
into POC next year in
Alzheimer's Disease



eIF2B is moving into a
Phase 2 trial in ALS

TYK2i-CNS to transition into clinic soon targeting Multiple Sclerosis

We are driving improved operational efficiency to accelerate speed to market



Further enabled through **Digital Innovation & AI**

Implementing innovative AI/Digital tools to accelerate our R&D productivity

What



Significantly more powerful hypothesis generation



Digital trial design optimization



Enhancing clinical trial operations



Rapid data interpretation and reporting

How



Building predictive disease models using a vast proprietary data factory



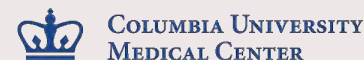
Powerful statistical simulation suite that aggregate millions of data points to enable decisions around effect-size, power, patient-selection, timelines & cost



Real-time site selection based upon protocol required patient characteristics



Effective automation and visualization technologies to enable timely data insights and clinical trial reporting



Important updates today

Expanding Currently Launched Products

- Sotyktu:
 - Impressive Ph2 SLE data supports Ph3 programs in SLE & SjS
- Abecma:
 - KarMMa-3 under regulatory review in triple class exposed population
 - KarMMa-9 registrational trial in post-transplant MM initiating this year
- Subcutaneous nivolumab:
 - Potential to benefit patients into early 2030's with data anticipated this year
- Camzyos:
 - Data suggests myosin inhibitors remodel the heart

New Wave of NME

- LPA₁ Antagonist:
 - Demonstrated compelling Ph2 PPF data and Ph3 studies initiating
- CD19 NEX T:
 - Ph 1 study initiated in severe, refractory lupus with promise to reset the immune system & expanding into other immunologic diseases
- BET Inhibitor (BMS-986158):
 - Proof-of-concept data expected early next year
- GPRC5D CAR T:
 - Differentiated profile addressing unmet need post-BCMA targeting treatment; initiating pivotal trial next year
- alnuctamab:
 - Initiating Ph3 trial in 2024 in MM
- iberdomide/mezigdomide:
 - Ph3 data expected in 2026
- golcadomide:
 - Initiating Ph3 trial in 2024 in 1L LBCL
- AR LDD:
 - Significant opportunity in mCRPC with data expected early next year
 - Initiating pivotal trial in the next 18 months
- milvexian:
 - Compelling rationale for Ph3 programs

Early Assets to Watch

- BCMA x GPRC5D:
 - Entering into POC soon
- BCL6 LDD:
 - Novel oral degrader in lymphomas
- TIGIT Bispecific:
 - Differentiated IO; targeting TIGIT & CD96
- DGK inhibitor:
 - Potential transformational oral, dual inhibitor
- Anti-CCR8:
 - Treg depleting mAb therapy with broad combination potential
- Advancing Neuro PoC trials in 2024:
 - Anti-MTBR-Tau in Alzheimer's Disease
 - eIF2B Activator in ALS
- TYK2i CNS (pre-clinical):
 - Moving into clinic soon, targeting MS
- MYK-224:
 - Progressing into HFpEF

Productivity

Increasing registrational assets from 6 to 12 in next 18 months

Increase INDs to at ~10 per year

Increase to ~20% PoS from FIH to approval

Achieve median ~6.5 years from FIH to approval

Conclusion



Chris Boerner, PhD

EVP, Chief Operating Officer
CEO, effective Nov. 1, 2023

Numerous levers to drive long-term growth



Extended durability of our IO business with subcutaneous nivolumab and Opdualag



Increasingly de-risked the New Product Portfolio



Registrational portfolio increasing from **6 to 12 new assets** over the next 18 months



Developing medicines in rapidly growing markets with significant commercial opportunities



Leading positions with differentiated platforms in Cell Therapy and Targeted Protein Degradation



Strategic optionality from Business Development

Clearly establish BMS as an R&D leader by the end of the decade

Extended durability of our I-O business

Today



Opportunity

Subcutaneous nivolumab

- Potential to benefit patients into early years of next decade
- Roughly 65-75% of IV US revenue potentially on-label at launch

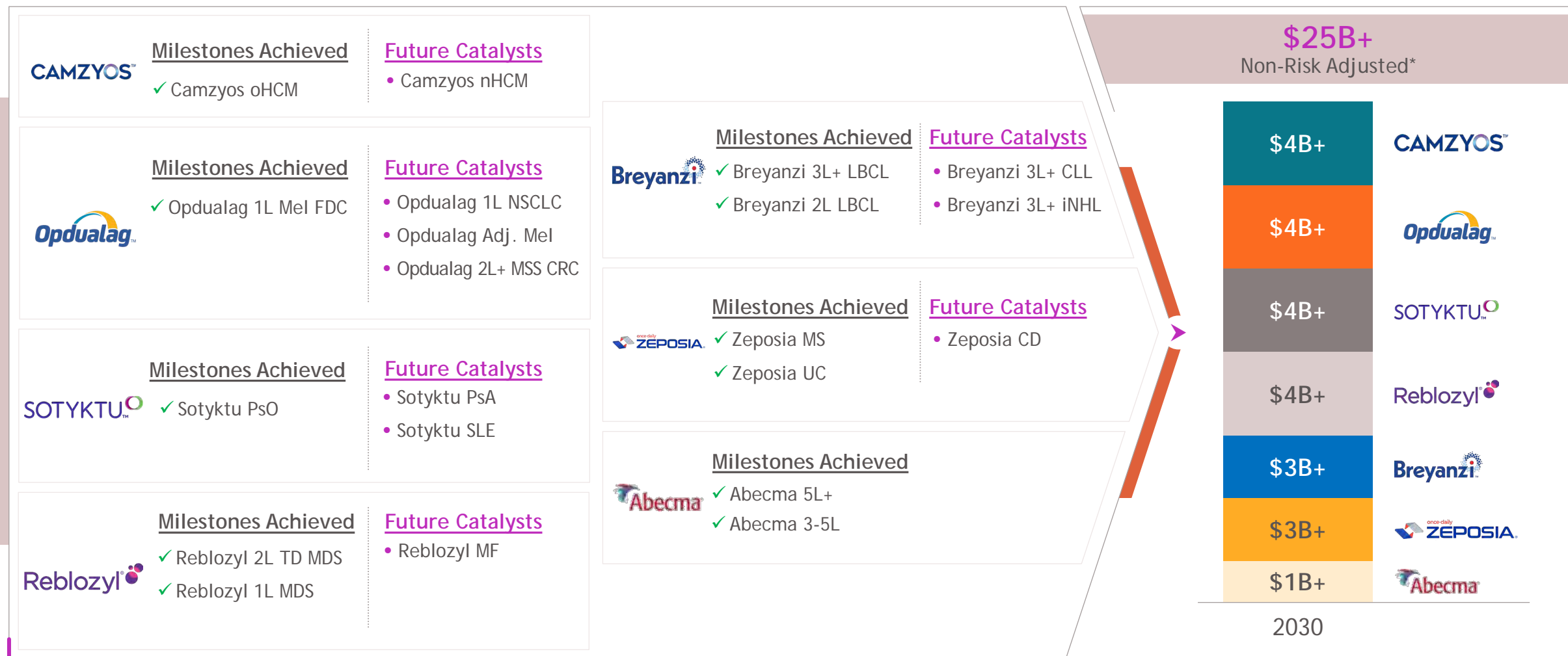
Today



Opportunity

- Benefits patients into the next decade in 1L melanoma
- Potential to benefit beyond melanoma (adj. melanoma, MSS CRC, lung, and HCC)

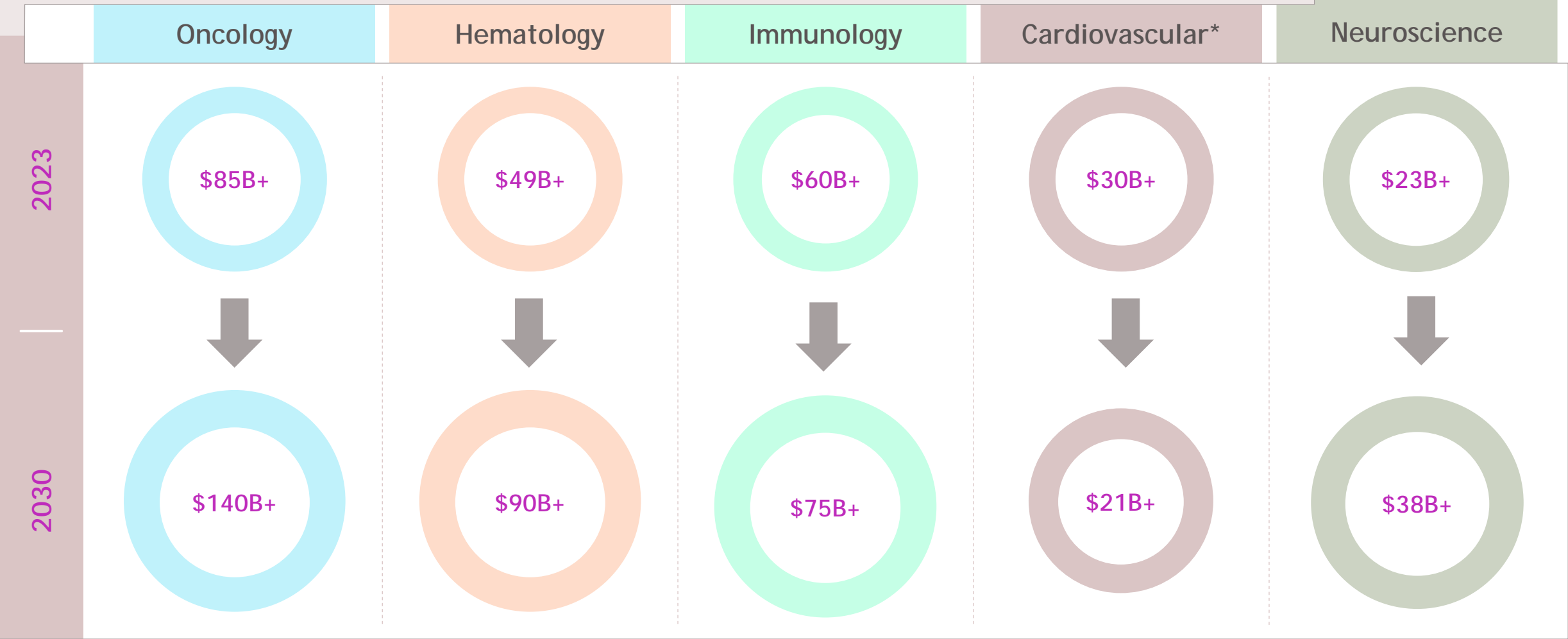
New product portfolio significantly de-risked with important catalysts ahead



We are increasing registrational portfolio from 6 to 12 potentially first-in-class/best-in-class assets over the next 18 months

In registrational studies		Registrational studies pending	
mezigdomide	repotrectinib*	CD19 NEX T	BET Inhibitor (BMS-986158)
iberdomide	cendakimab	GPRC5D CAR T	alnuctamab
milvexian	LPA ₁ Antagonist	golcadomide	AR LDD

Developing medicines in rapidly growing markets with significant commercial opportunities



Building a competitive advantage in Cell Therapy

Manufacturing capacity is expanding

Plan to deliver top-tier supply chain, manufacturing capacity & reliability:

- Expanding drug product capacity
- Strengthening vector supply
- Increasing efficiency

Innovative pipeline is advancing

- Expanding to immunologic diseases
- Developing new targets
- Exploring innovative technologies e.g., dual binding CAR & allogeneic

Well-positioned at the center of the innovation ecosystem

Targeted Protein Degradation platform is poised for a step-change in productivity

Growing asset library

- Extensive number of potential INDs identified
- Opportunities across therapeutic areas

Industry-leading capabilities

- Significant experience applying preclinical, manufacturing, translational, AI/digital and clinical tools to optimize candidates

Engine expected to deliver approximately 4 INDs annually

Enhancing BMS leadership by the end of the decade



Strong track record

- 9 new products delivered since 2019
- 3 first-in-class medicines in 2022
- 20+ new indications & 45+ approvals across U.S., EU & Japan since 2020



High quality pipeline

- Registrational pipeline increasing to 12 new assets over the next 18 months
- Targeting high unmet need with growing commercial potential



Improved productivity

- Deliver ~10 INDs per year
- Increase to ~20% PoS from FIH to approval
- Achieve median of ~6.5 years from FIH to approval

Continual generation of new first-in-class or best-in-class medicines

Q&A



6MWT	Six Minute Walk Test	HDT	High Dose Therapy	NTRK	Neurotrophic Tyrosine Receptor Kinase
AA	Alopecia Areata	HFpEF	Heart Failure with Preserved Ejection Fraction	NYHA	New York Heart Association
ACR	American College of Rheumatology	HFREF	Heart Failure with Reduced Ejection Fraction	oHCM	Obstructive Hypertrophic Cardiomyopathy
ACS	Acute Coronary Syndrome	IBD	Inflammatory Bowel Disease	ORR	Overall Response Rate
ADC	Antibody-Drug Conjugate	IBD	Inflammatory Bowel Disease	OS	Overall Survival
ADT	Androgen Deprivation Therapy	ICANS	Immune Effector Cell-associated Neurotoxicity Syndrome	PFS	Progression-free Survival
AF	Atrial Fibrillation	iiNT	Investigator-identified Neurotoxicity	PI	Proteasome Inhibitor
AI	Artificial Intelligence	ILD	Interstitial Lung Disease	PoC	Proof of Concept
ALS	Amyotrophic Lateral Sclerosis	IMiD	Immunomodulatory Drug	PoS	Probability of Success
AML	Acute Myeloid Leukemia	IND	Investigational New Drug	PPF	Progressive Pulmonary Fibrosis
APC	Antigen-Presenting Cell	IO	Immuno-Oncology	ppFVC	Percent of Predicted Forced Vital Capacity
AR LDD	Androgen Receptor Ligand-Directed Degradar	IPF	Idiopathic Pulmonary Fibrosis	PR	Partial Response
ASCT	Autologous Stem Cell Transplant	IPI	International Prognostic Index	PsA	Psoriatic Arthritis
BCMA	B-cell Maturation Antigen	IRA	Inflation Reduction Act	PSA	Prostate Specific Antigen
BID	Twice Daily	ISR	Integrated Stress Response	PsO	Psoriasis
BILAG	British Isles Lupus Assessment Group index	JAK2i	Janus Kinase 2 Inhibitor	PTCL	Peripheral T-cell Lymphoma
BL	Baseline	LBCL	Large B-cell Lymphoma	QD	Once Daily
CAR T	Chimeric Antigen Receptor T-cell	LDD	Ligand-directed Degradar	QoL	Quality of Life
CD	Crohn's Disease	LOE	Loss of Exclusivity	R	Randomized
CELMoD	Cereblon E3 Ligase Modulator	LPA1	Lysophosphatidic Acid Receptor 1	RA	Rheumatoid Arthritis
CLASI	Cutaneous Lupus Activity Index	mAB	Monoclonal Antibody	RBC	Red Blood Cell
CLL	Chronic Lymphocytic Leukemia	MCL	Mantle Cell Lymphoma	RCC	Renal Cell Carcinoma
CPI	Checkpoint Inhibitor	mCRPC	Metastatic Castration-resistant Prostate Cancer	ROS	C-ros Oncogene
CRPC	Castration-Resistant Prostate Cancer	mDOR	Median Duration of Response	RWE	Real-World Evidence
CRS	Cytokine Release Syndrome	MDS	Myelodysplastic Syndrome	SC	Subcutaneous
CV	Cardiovascular	MF	Myelofibrosis	sCR	Stringent Complete Response
DIPSS	Dynamic International Prognostic Scoring System	MIUC	Muscle-invasive Urothelial Carcinoma	SjS	Sjogren's Syndrome
DLT	Dose-Limiting Toxicity	ML	Machine Learning	SLE	Systemic Lupus Erythematosus
DMPK	Drug Metabolism Pharmacokinetics	MM	Multiple Myeloma	SLEDAI-2K	SLE Disease Activity Index 2000
EGE	Eosinophilic Gastroenteritis	MoA	Mechanism of Action	SLL	Small Lymphocytic Lymphoma
EoE	Eosinophilic Esophagitis	mPC	Metastatic Prostate Cancer	SoC	Standard of Care
ESSDAI	EULAR Sjögren's Syndrome Disease Activity Index	MPN	Myeloproliferative Neoplasm	SRI(4)	Systemic Lupus Erythematosus Responder Index 4
ESSPRI	EULAR Sjögren's Syndrome Patient Reported Index	MRD	Minimal Residual Disease	SSP	Secondary Stroke Prevention
EULAR	European League Against Rheumatism	MS	Multiple Sclerosis	TA	Therapeutic Area
FL	Follicular Lymphoma	MSS mCRC	Microsatellite Stable Metastatic Colorectal Cancer	TCE	T-cell Engager
Flu/Cy	Fludarabine and Cyclophosphamide	MZL	Marginal Zone Lymphoma	TD	Transfusion Dependent
FVC	Forced Vital Capacity	NDMM	Newly Diagnosed Multiple Myeloma	TIGIT	T-cell Immunoglobulin and ITIM Domain
FXa	Factor 10a	NFPB	Non-fucosylated Probody	TKI	Tyrosine Kinase Inhibitor
FXIa	Factor 11a	nHCM	Non-obstructive Hypertrophic Cardiomyopathy	TKR	Total Knee Replacement
GI	Gastrointestinal	NHL	Non-hodgkin's Lymphoma	TRAE	Treatment-related Adverse Event
GPRC5D	G Protein Coupled Receptor, Class C, Group 5, Member D	NHT	Novel Hormone Therapy	TYK2	Tyrosine Kinase 2
HbF	Fetal Hemoglobin	NSCLC	Non-small Cell Lung Cancer	UC	Ulcerative Colitis
HCC	Hepatocellular Carcinoma	NT	Neurotoxicity	VGPR	Very Good Partial Response
		NTD	Non-transfusion Dependent		

R&D efforts align with ESG values



Addressing areas of high unmet need

- 40+ disease areas studied, including several rare diseases
- Novel drugs with three first-in-class medicines launched in 2022
- Diverse modalities with 10 drug platforms (e.g., cell therapy)



Enhancing health equity and clinical trial diversity

Numerous initiatives related to ensuring clinical trial diversity:











- 58% of US clinical trial sites located in highly diverse communities
- Racial diverse participants at 22% (goal 20%) in 2022



Responsibly driving innovation to maximize impact

- “Green by design” principles and a green chemistry approach, reducing total waste generated
- “Green chemistry reviews” to identify opportunities for reducing safety and environmental impact

Changes to the Development Pipeline

	Phase I	Phase II	Phase III	Registrational Submissions
New or Phase Transition	 ✦ BCL6 LDD in Lymphoma		 ✦ LPA1 Antagonist in IPF  LPA1 Antagonist in PPF  ✦ obexelimab*# in IgG4-Related Disease	
Removed	 ✦ NME 2  ✦ CD47xCD20  ✦ GSPT1 CELMoD (CC-90009)  ✦ RIPK1 Inhibitor	 ✦ Anti-TIGIT  ✦ HSP47		Approvals (n=2) <ul style="list-style-type: none"> • OPDIVO in Adj Melanoma (EU) • REBLOZYL in 1L MDS associated anemia (US)

* Partner-run study; ✦ NME leading indication; # BMS territory

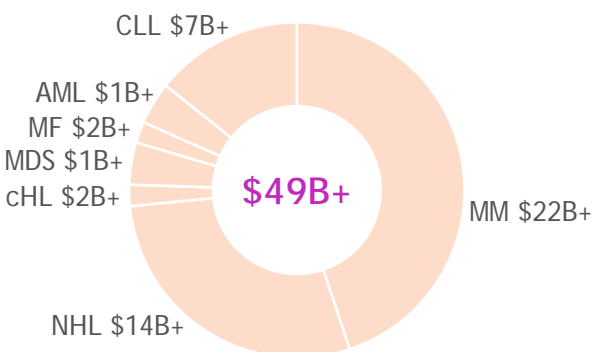
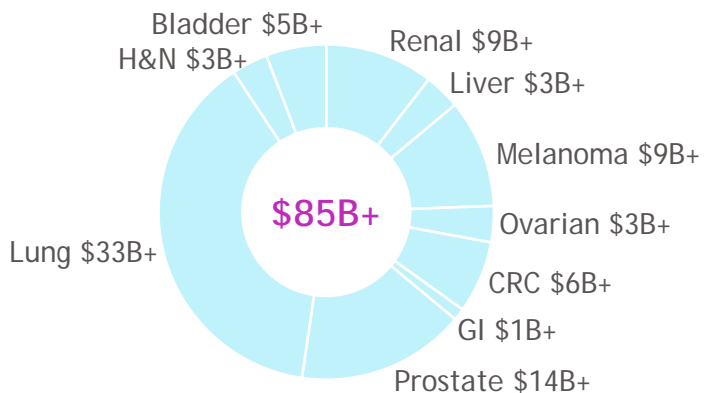
 Oncology
  Hematology
  CV
  Immunology
  Neuroscience

Addressing high unmet medical need in Oncology & Hematology

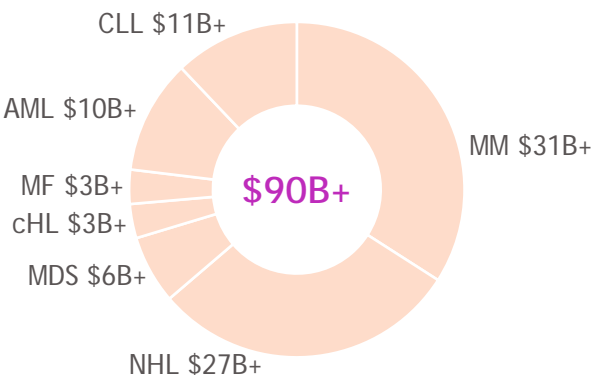
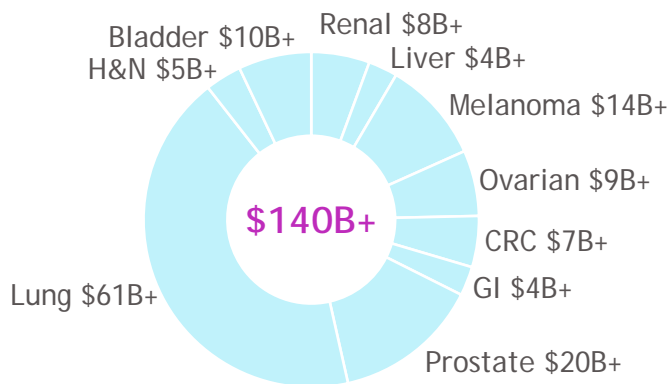
Oncology

Hematology

2023



2030



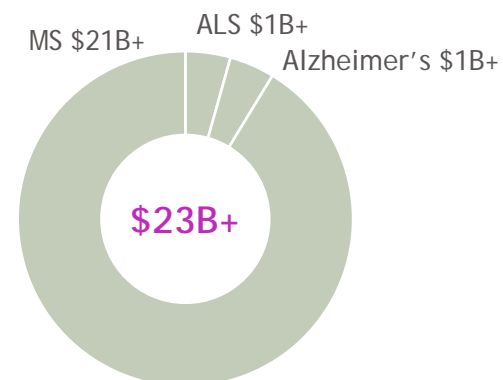
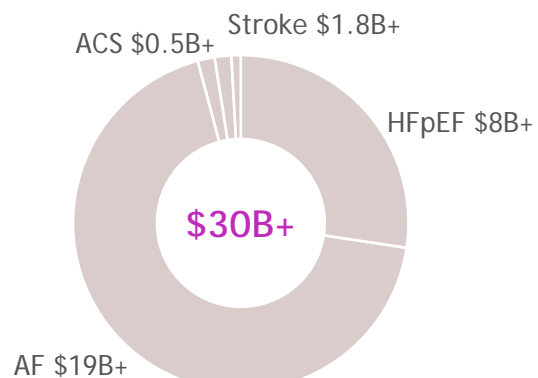
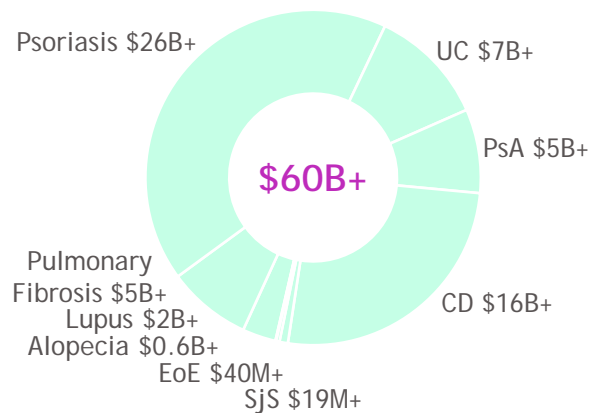
Addressing high unmet medical need in Immunology, Cardiovascular & Neuroscience

Immunology

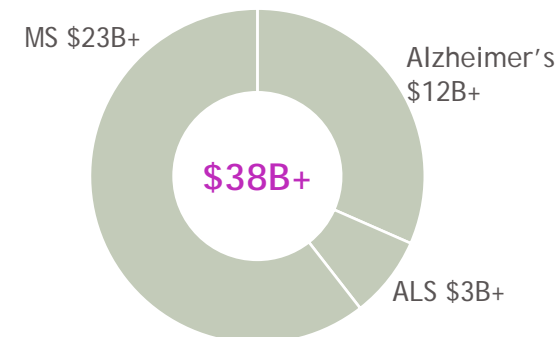
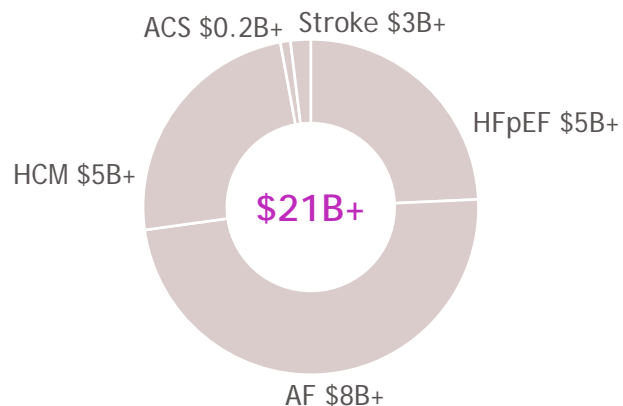
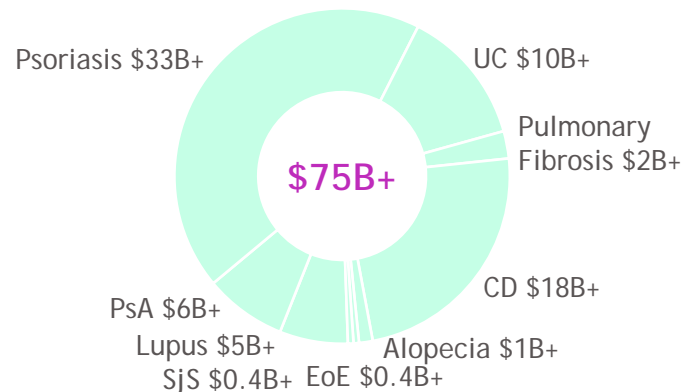
Cardiovascular

Neuroscience

2023



2030



Farletuzumab ecteribulin (FZEC)¹: Novel folate receptor alpha (FR α) ADC

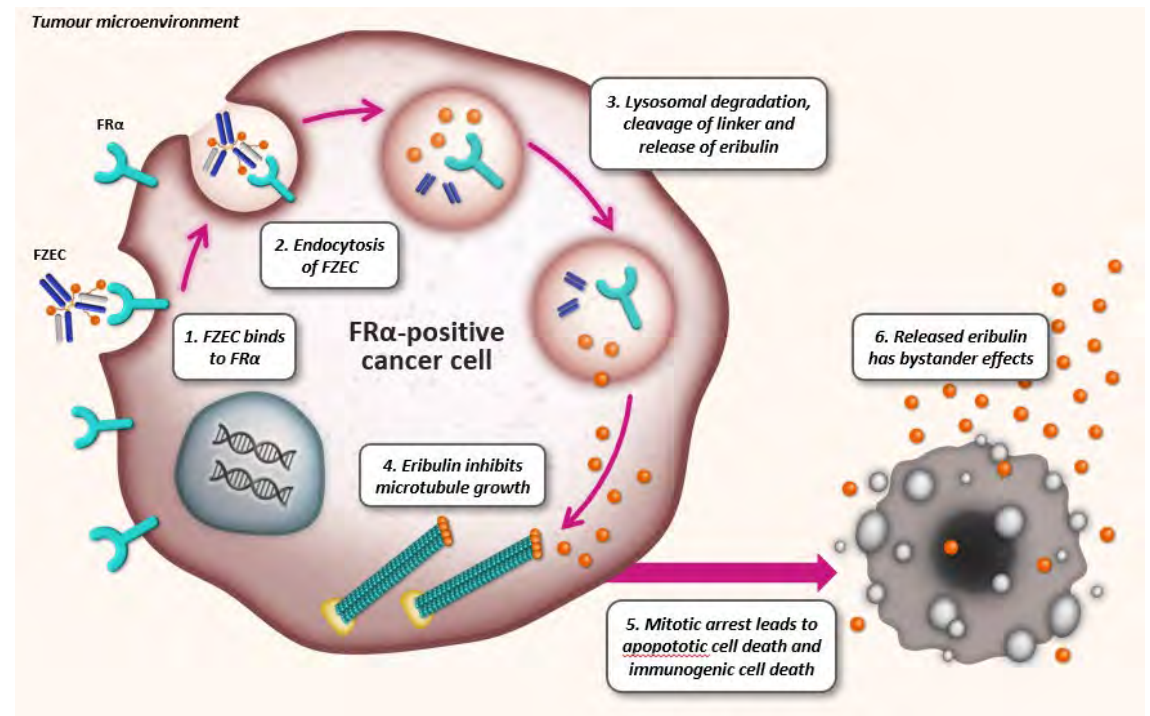
Overview

- FR α is a folate-binding protein that has limited expression on normal tissues and is overexpressed in malignant cells²
- FZEC binds to FR α on the surface of tumor cells, is internalized and cleaved to release the payload, eribulin
 - Eribulin inhibits microtubule growth resulting in cell death
- FZEC may potentially target tumors with heterogenous FR α expression through bystander effect of eribulin on nearby FR α -negative cells

Development plan

- PoC trials ongoing in NSQ NSCLC, ovarian & endometrial cancers
- In dose expansion to optimize the therapeutic index with data anticipated in 2024

MOA: Target delivery of differentiated payload, eribulin



High addressable population based on range of FR expression

Repotrectinib: Potential Best-in-Class ROS1 Inhibitor in NSCLC

Highly Potent & Differentiated Small Molecule



ROS1+ TKI-Naïve NSCLC; ORR (95% CI)		79% (67.6, 87.7)
TKI-Pretreated Activity		✓ ORRs of 28-42% (n=100)
CNS Activity (ROS1+ NSCLC)		✓
ROS1+ TKI-Naïve NSCLC Durability	DOR	<ul style="list-style-type: none"> • ≥12-month DOR: 83.1% (73.1, 93.2) • mDOR: 34.1 (25.6-NE)
	PFS	<ul style="list-style-type: none"> • ≥12-month PFS: 76.6% (66.2, 87.0) • mPFS: 35.71 (27.40, NE)
Generally Well Tolerated Safety Profile		

Source: Cho BC, et al. IASLC WCLC 2023

Clinically differentiated profile in NSCLC

Market Potential

ROS1 Prevalence:
~1.5% of NSCLC patients²

Existing ROS1 market:
~\$500-\$600M³

Opportunity to roughly **double** the ROS1 market & achieve best-in-class share based on:

- Longer duration of response
- Higher response rate
- Better safety / tolerability profile

U.S. PDUFA November 27, 2023

BMS-986288: A next generation CTLA-4 antibody

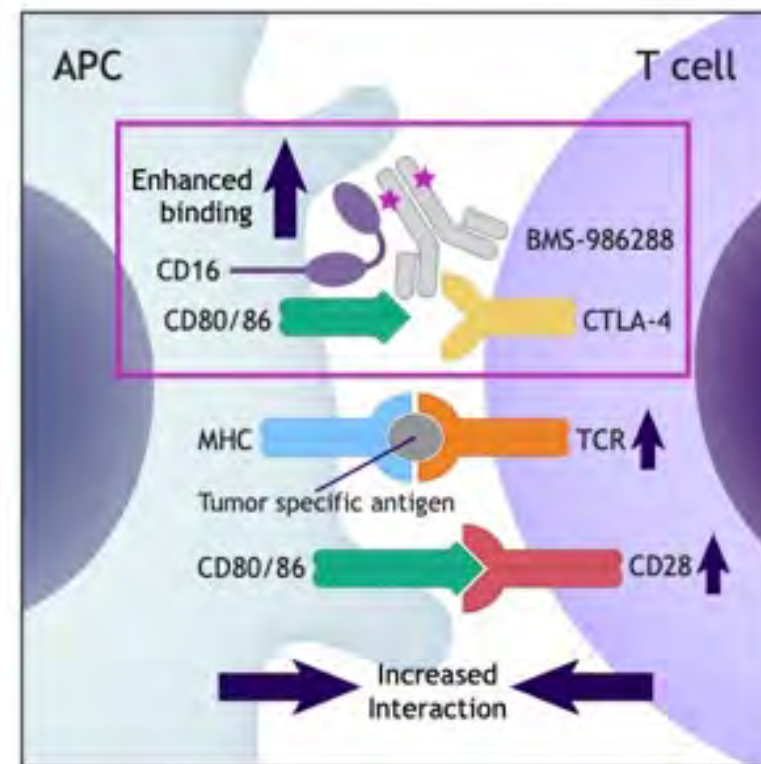
Overview

- CTLA-4: established MOA, with Yervoy approved across solid tumors
- Challenges (toxicity and patient selection) associated with targeting CTLA-4 have limited development
- BMS-986288 is a next-generation CTLA-4 designed to improve the benefit/risk:
 - NF (enhanced CD16 binding) biology increases immune priming via Fc engagement enhancing anti-tumor response
 - Improves safety profile with Probody® added to NF allowing for combinations and moving to earlier lines of therapy

Development plan

PoC trials in NSCLC & MSS CRC ongoing; data anticipated in 2024

MOA: A masked non-fucosylated anti-CTLA-4 antibody which improves immune priming and the safety profile

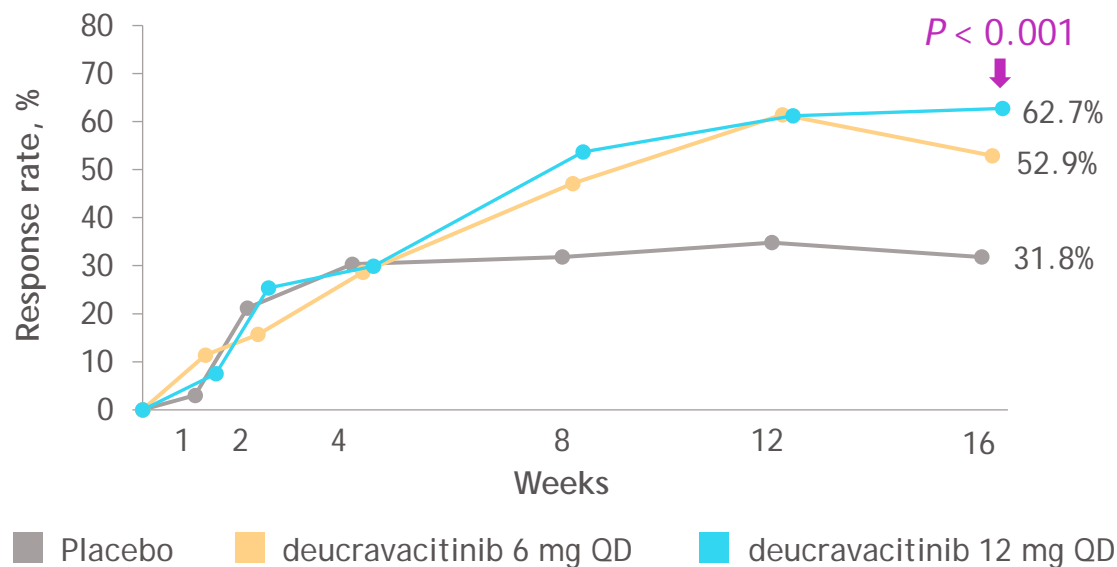


Broad range of development opportunities

PsA: Sotyktu Phase 2 responses provide confidence for Phase 3

Unmet need: Effective, tolerable, oral options with a novel mechanism to address both skin and joint involvement

Phase 2 Primary Endpoint: ACR20 over time¹

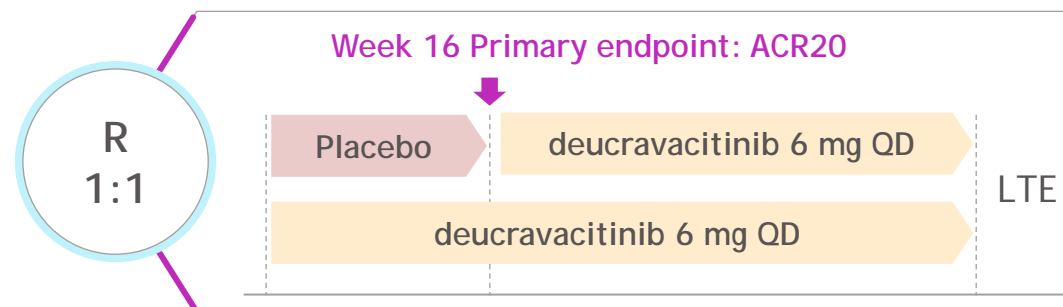


All primary and key secondary endpoints were achieved in patients with active PsA
Treatment was well-tolerate with a safety profile consistent with prior studies

Phase 3 program ongoing
data anticipated 2024/2025

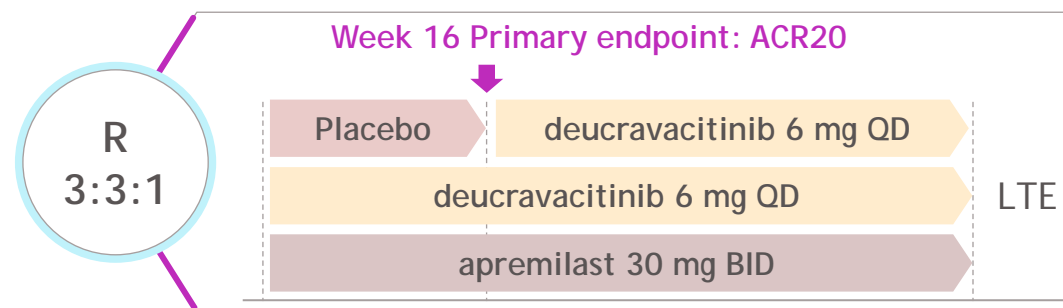
POETYK-PSA-1²

- Active disease; biologic DMARD-naïve
- ≥ 1 PsA-related hand and/or foot joint erosion on X-ray



POETYK-PSA-2³

- Active disease; biologic DMARD-naïve OR TNF inhibitor experienced



Established IBD presence with Zeposia in UC, with potential expansion to Crohn's Disease

Zeposia in IBD

Ulcerative Colitis

Approved in the U.S. & EU

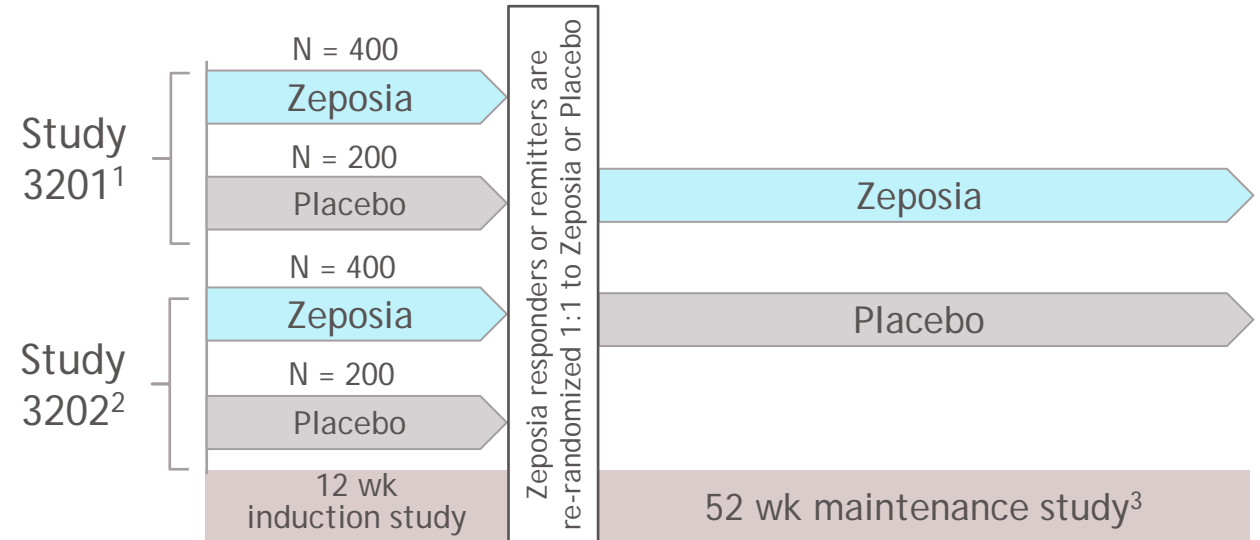
Zeposia provides UC patients with efficacy comparable to biologics, and a favorable safety profile in an oral medicine

Primary endpoints:

- Induction studies: Week 12 clinical remission
- Maintenance study: Co primary @ Week 52 clinical remission and endoscopic response

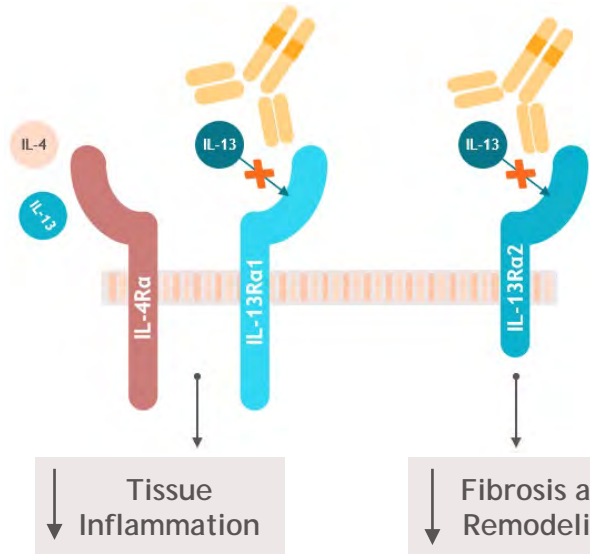
Crohn's Disease

Phase 3 YELLOWSTONE program ongoing
Maintenance study data anticipated 2026



Cendakimab: High-Affinity IL-13 Neutralizing Antibody for EoE

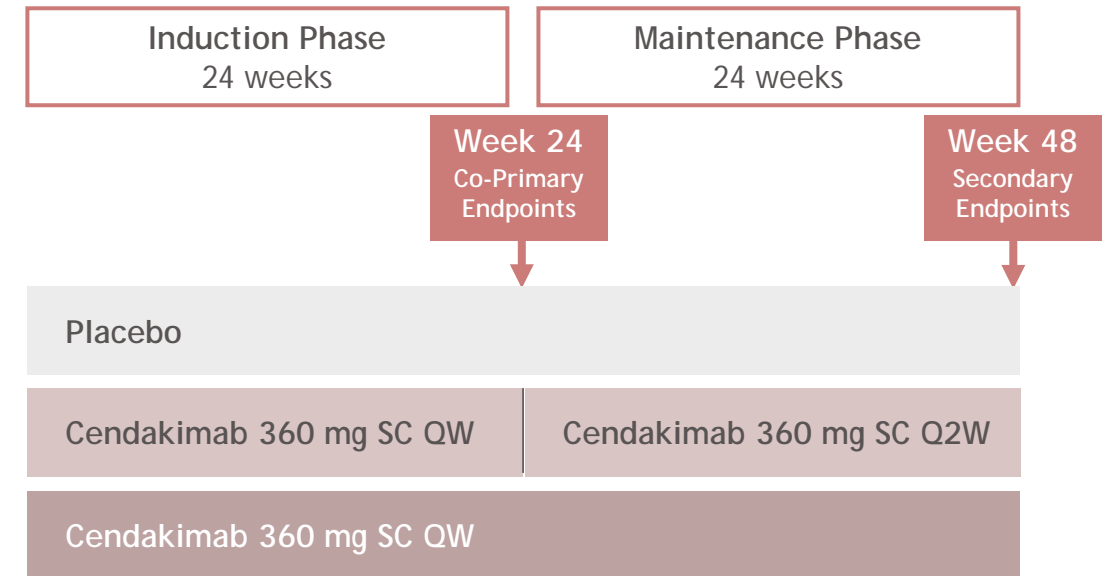
Eosinophilic Esophagitis + Cendakimab



- Binds to IL-13 ligand
- Blocks IL-13 binding to both IL-13Ra1 & IL-13Ra2 subunits

- EoE is a **life altering disease** affecting ~700k¹ prevalent patients (combined U.S./EU5)
- Potentially differentiated MoA addressing a **significant unmet need** for a highly efficacious treatment that **improves both inflammation & fibrosis/remodeling**

EoE: Currently Enrolling Phase 3 study²



Co-primary (week 24):

- Change in dysphagia days
- Histologic response: eos ≤ 6 /hpf

Key secondary (weeks 24 & 48):

- Histologic response: eos < 15 /hpf
- EREFS
- EoE-HSS
- mDSD composite score

Data anticipated in 2024