



CORPORATE OVERVIEW

August 2024



Forward-Looking Statements

This overview contains forward-looking statements. These statements relate to, among other things, the sufficiency of our cash position to fund advancement of a broad pipeline; the continued advancement of our discovery, preclinical, and clinical pipeline, and expected milestones in 2024, 2025, and beyond; our goal to continue building a biology-directed engine targeting protein dysregulation; our potential to advance, initiate, and complete IND enabling studies for our discovery and preclinical programs; the treatment potential, designs, proposed mechanisms of action, and potential administration of PRX012, BMS-986446/PRX005, PRX123, birtamimab, coramitug/PRX004, and prasinezumab; potential indications (including prevalence) and attributes of epitopes and antibodies we have identified in our programs; plans for ongoing and future clinical trials of PRX012, BMS-986446/PRX005, birtamimab, prasinezumab, coramitug/PRX004, PRX123, and PRX019; the expected timing of reporting data from clinical trials of birtamimab, PRX012, prasinezumab, and coramitug, including any updates regarding our ongoing Phase 1 clinical trial evaluating PRX012 in 2024 and any topline study results for our Phase 3 AFFIRM-AL clinical trial between 4Q 2024 and 2Q 2025; and amounts we might receive under our partnerships and collaborations with Roche, BMS, and Novo Nordisk. These statements are based on estimates, projections and assumptions that may prove not to be accurate, and actual results could differ materially from those anticipated due to known and unknown risks, uncertainties and other factors, including but not limited to those described in the "Risk Factors" sections of our Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission (SEC) on August 8, 2024, and discussions of potential risks, uncertainties, and other important factors in our subsequent filings with the SEC. This overview is made as of August 8, 2024, and we undertake no obligation to update publicly any forward-looking statements contained in this press release as a result of new information, future events, or changes in our expectations.







We are Addressing Devastating Proteinopathies Affecting Millions of Patients and Families Worldwide



NEURODEGENERATIVE DISEASES



Alzheimer's disease (AD)

55 million

People worldwide living with Alzheimer's disease or other dementias¹

7th

Leading cause of death in United States¹

\$1 trillion

In annual US healthcare costs by 2050 from AD and other dementias¹



Parkinson's disease (PD)

10 million

People living with PD worldwide²

Fastest increasing

Neurodegenerative disease²

\$52 billion

In overall economic burden in the US²

RARE PERIPHERAL AMYLOID DISEASES



Amyloid light chain amyloidosis (AL)

60,000-120,000

Patients with Mayo Stage IV AL amyloidosis globally^{3,4}

5.8 months

Median overall survival in Mayo Stage IV patients with AL amyloidosis^{4,5}



Transthyretin amyloidosis (ATTR)

450,000

Estimated number of patients worldwide with wtATTR or ATTRv⁶⁻⁸

2.08 years

Median overall survival New York Heart Association class III patients with ATTR cardiomyopathy^{4,9}

ATTRv=hereditary amyloid transthyretin; wtATTR=wild-type ATTR.

¹ Long S, Benoist C, Weidner W. World Alzheimer Report 2023: Reducing dementia risk: never too early, never too late. London, England: Alzheimer's Disease International. Accessed July 18, 2024. https://www.alzint.org/u/World-Alzheimer-Report-2023.pdf. Parkinson's Foundation. Understanding Parkinson's. Statistics. Accessed July 17, 2024. https://www.parkinson.org/understanding-parkinsons/statistics. Kumar N, Zhang NJ, Cherepanov D, Romanus D, Hughes M, Faller DV. Orphanet J Rare Dis. 2022;17(1):278. Kumar S, Dispenzieri A, Lacy MQ, et al. J Clin Oncol. 2012;30(9):989-995. Kyle RA, Gertz MA, Greipp PR, et al. N Engl J Med. 1997;336(17):1202-1207. González-Duarte A, Conceição I, Amass L, Botteman MF, Carter JA, Stewart M. Neurol Ther. 2020;9(1):135-149. González-López E, Gagliardi C, Dominguez F, et al. Eur Heart J. 2017;38(24):1895-1904. Tanskanen M, Peuralinna T, Polvikoski T, et al. Ann Med. 2008;40(3):232-239. Lane T, Fontana M, Martinez-Naharro A, et al. Circulation. 2019;140(1):16-26.

Our Biology-Directed Engine Propels Prothena's Progress Across our Broad Pipeline



Therapeutics engineered to optimally eliminate pathogenic proteins while preserving normal biology Disease-Driven Antibody **Engineering** Product candidates Deep with bestexpertise in **BIOLOGY-Expert** Greater in-class determining **Epitope** potential optimal **Patient** DIRECTED to slow, epitopes to **Mapping Impact ENGINE** be targeted stop, for maximal prevent proteinefficacy opathies Pathophysiology **Directed Targeting** Targets proteins with the greatest

effect on disease, not limited by a single platform or technology

Multiple Clinical Programs Ongoing

Wholly-owned Phase 3 program
Three partnered Phase 2 programs
Wholly-owned Phase 1 program
Two new INDs cleared by FDA

Strong Collaborations Established

Collaborations with Bristol Myers Squibb, Novo Nordisk¹ and Roche

Leveraging our Phase 3 Rare Peripheral Amyloid Disease Program to Support Commercial Buildout

Transition into a fully integrated commercial biotech through our lead rare disease program



Robust R&D Pipeline

FOCUSED ON NEURODEGENERATIVE AND RARE PERIPHERAL AMYLOID DISEASES

PROGRAM/ INDICATION	PROTEIN TARGET	DISCOVERY	PRE-CLINICAL	PHASE 1	PHASE 2	PHASE 3	GLOBAL PARTNER ⁴
Birtamimab AL amyloidosis SPA¹ ODD² Fast Track³	Kappa & Lambda Light Chain	AFFIRM-AL (Phase 3)					
Prasinezumab Parkinson's disease	α-Synuclein (C-terminus)	PASADENA (Pha	ise 2) PADOVA (Ph	ase 2b)			Roche
Coramitug (PRX004) ATTR amyloidosis	Transthyretin (misTTR)	Phase 2					novo nordisk [®]
BMS-986446 (PRX005) Alzheimer's disease	Tau (MTBR)	Phase 2					ر ^{ال} Bristol Myers Squibb°
PRX012 Alzheimer's disease Fast Track³	Aβ (N-terminus)	ASCENT (Phase	1)				
PRX123 Alzheimer's disease Fast Track ³	Aβ + Tau	IND cleared					
PRX019 Neurodegeneration	Undisclosed Target	IND cleared					ر ^{ال} Bristol Myers Squibb°
Undisclosed AD in Down syndrome	Undisclosed Target						

Modalities:



Alzheimer's Disease

Our Team has Pioneered Multiple Scientific Advances in Protein Dysregulation



OUR LEGACY INCLUDES FOUNDATIONAL DISCOVERIES IN THE UNDERSTANDING OF ALZHEIMER'S DISEASE







1986

Athena **Neurosciences** founded

1996

Athena acquired by Elan

2012

Prothena spins-out from Elan with a wholly-owned drug discovery platform



Pioneered fundamental discoveries elucidating the roles of beta amyloid $(A\beta)$, gamma secretase and beta secretase play in disease¹



First to show that anti-Aβ immunotherapy prevented and cleared amyloid plaques in the brains of transgenic mice²



First to demonstrate plaque clearance by an n-terminus antibody in brains from AD patients³



Discovered biological cause of ARIA and vascular recovery following anti-Aβ immunotherapy⁴



Developed PRX012, best-in-class anti-Aß product candidate, with ~10X greater binding potency to fibrillar Aβ vs. aducanumab⁵ and ~20X greater binding potency against protofibrils vs. lecanemab⁶

¹ Games, D., Adams, D., Alessandrini, R. et al. Alzheimer-type neuropathology in transgenic mice overexpressing V717F β-amyloid precursor protein. 1995 Nature; ² Schenk, D., Barbour, R., Dunn, W. et al. Immunization with amyloid-β attenuates Alzheimer-disease-like pathology in the PDAPP mouse. 1999 Nature; ³ Rinne et al, C-BiP PET assessment of change in fibrillar amyloid-b load in patients with Alzheimer's disease treated with bapineuzumab: a phase 2, double-blind, placebo-controlled, ascending -dose study, 2010, ⁴ Zago W, Schroeter S, Guido T, et al. Vascular alterations in PDAPP mice after anti-Aß immunotherapy: Implications for amyloid-related imaging abnormalities. 2013 Alzheimers Dement. 5 PRX012 Induces Microglia-Mediated Clearance of Pyroglutamate-Modified and -Unmodified AB in Alzheimer's Disease Brain Tissue presented at AAIC 2021; 6 Binding Characteristics of Surrogate PRX012 Demonstrate Potent Engagement of Toxic Abeta Protofibrils and Robust Clearance of Pyroglutamate-Modified Abeta presented at AD/PD 2023

Our Legacy Drives Our Vision to Transform the Care of Alzheimer's Disease



With unparalleled protein dysregulation expertise...

Published: 09 February 1995

Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein

Published: 08 July 1999

Immunization with amyloid-β attenuates Alzheimerdisease-like pathology in the PDAPP mouse

Epub 2010 Feb 26.

11C-PiB PET assessment of change in fibrillar amyloid-beta load in patients with Alzheimer's disease treated with bapineuzumab: a phase 2, double-blind, placebo-controlled, ascending-dose study

First published: 15 April 2013

Vascular alterations in PDAPP mice after anti-Aβ immunotherapy: Implications for amyloid-related imaging abnormalities

OUR LEGACY 1-4

...We're uniquely positioned to address Alzheimer's Disease with a best-in-class portfolio



PRX012, anti-Aβ candidate with potential best-in-class, **highly potent binding**; designed for improved patient access via **subcutaneous** delivery⁵



Phase :

BMS-986446 (PRX005), anti-tau candidate, with potential to reduce pathogenic tau spread⁶



Phase 2

PRX123, dual Aβ/tau vaccine candidate designed for **treatment and prevention**



IND cleared



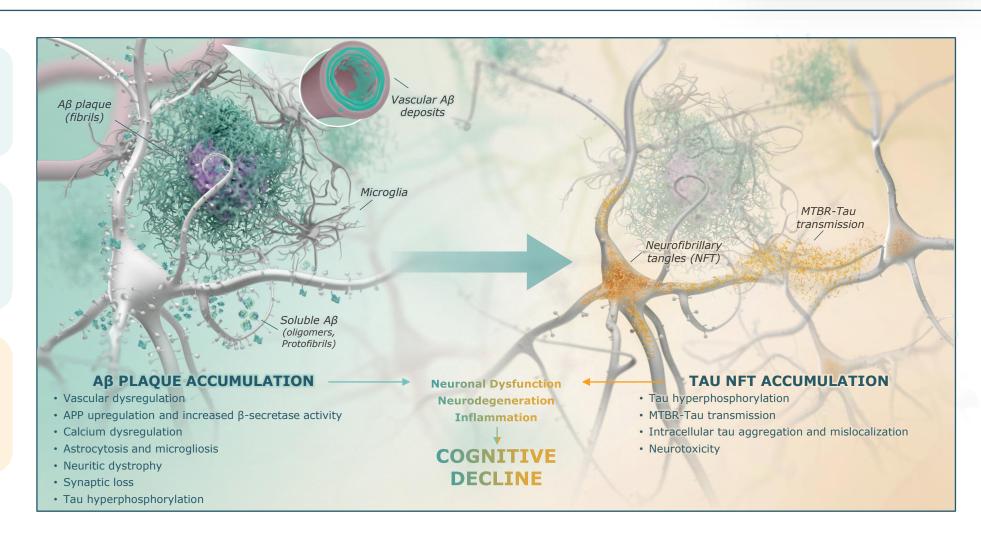
∜prothena®

Targeting Alzheimer's Where it Matters

Aβ has been established as a disease modifying target in Alzheimer's disease

Reduction of Aβ plaque associated with clinically meaningful slowing of disease progression

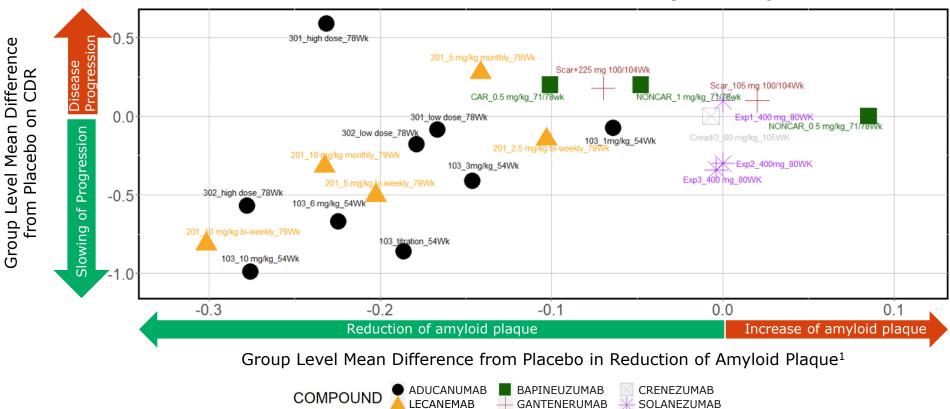
Presence of tau pathology strongly correlates with neurodegeneration and cognitive impairment in Alzheimer's disease



Today's Clinical Science Validates the Mechanism Designed by Our Team







2020 US FDA ANALYSIS: Aβ has been established as a disease modifying target in AD^{2,3}

¹ Reduction of Amyloid Plaque as measured by SUVr, Standardized Uptake Value Ratio; CDR, Clinical Dementia Rating Scale.

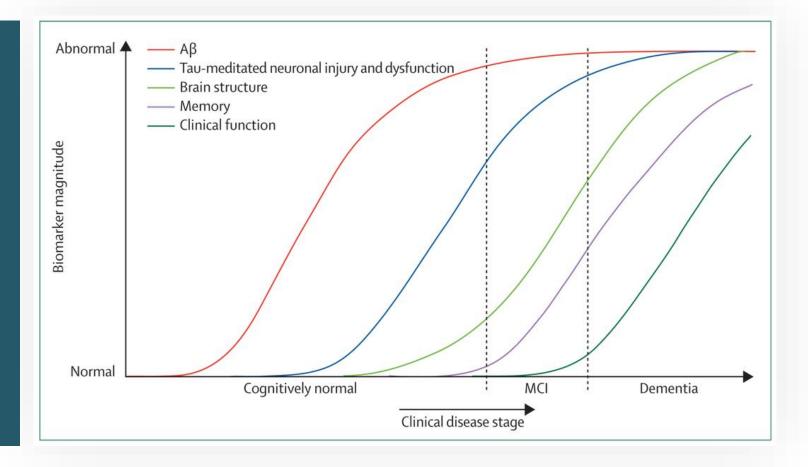
² ADUHELM [prescribing information]. Cambridge, Massachusetts: Biogen Inc; October 2022; ³ US FDA. Clinical Pharmacology and Pharmacokinetics Review(s). July 2020. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/nda/2021/761178Orig1s000ClinPharm_Redacted.pdf.



Targeting Alzheimer's Where it Matters

CHANGING THE TREATMENT PARADIGM THROUGH OUR BIOLOGY-DIRECTED ENGINE

Dynamic biomarkers of the Alzheimer's pathological cascade¹





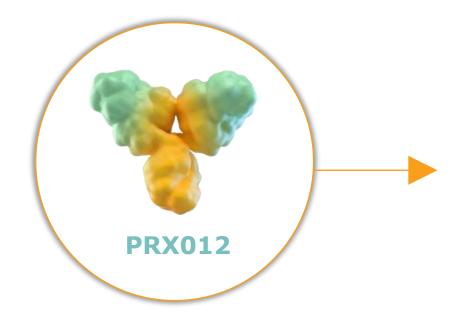
PRX012

Alzheimer's Disease

PRX012: Leading a Paradigm Shift in the Treatment of Alzheimer's Disease



300+ iterative antibody design and optimization campaigns led to...



...potential best-in-class, subcutaneous, once-monthly anti-Aβ product candidate

Key Antibody Design Attributes

HUMANIZED IgG1 monoclonal antibody with low immunogenicity

TARGETS a key epitope at the N-terminus of Aβ protein

HIGH AFFINITY AND AVIDITY to $A\beta$ for extended binding time and opsonization efficiency

SLOW OFF RATE / slow & steady dissociation translates to consistent target exposure and potential safety advantages

HIGHLY POTENT BINDING, designed for subcutaneous administration

Translating Patient Needs Into Antibody Engineering



PATIENT-CENTRIC DESIGN STRATEGY FOR PRX012

Maintain From First Generation **Antibodies**

Innovations to Minimize Disease and **Treatment** Burden

TARGET PROFILE

insoluble aggregated amyloid

Effectively clear soluble and

- N-terminal directed
- Full effector-function

Low-volume subcutaneous (SC) delivery

- High binding potency
- Stability in high concentrations for single syringe use

ANTIBODY DESIGN ATTRIBUTES

Once-monthly dosing

- Optimize pharmacokinetic profile and immunogenicity
- Optimal bioavailability

At-home administration

Optimal biophysical qualities

OUR MISSION



Improve patient outcomes



Increase accessibility



Minimize treatment burden

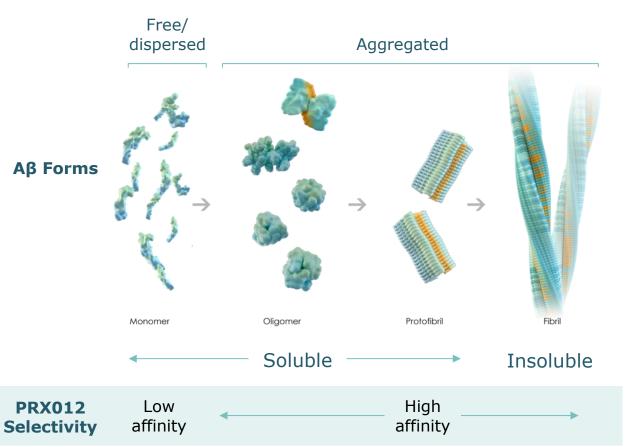


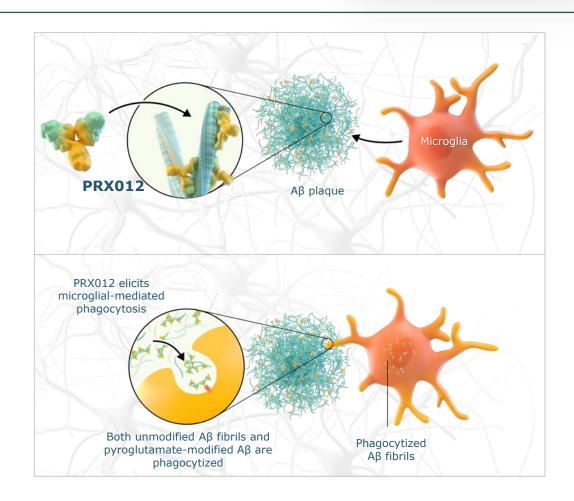
Enable patients and care partners to take anti-Aβ treatment into their own hands

PRX012: Promotes Comprehensive Clearance of Amyloid Plaques and Neutralization of Oligomers



Designed to target and clear toxic aggregated forms of $A\beta$

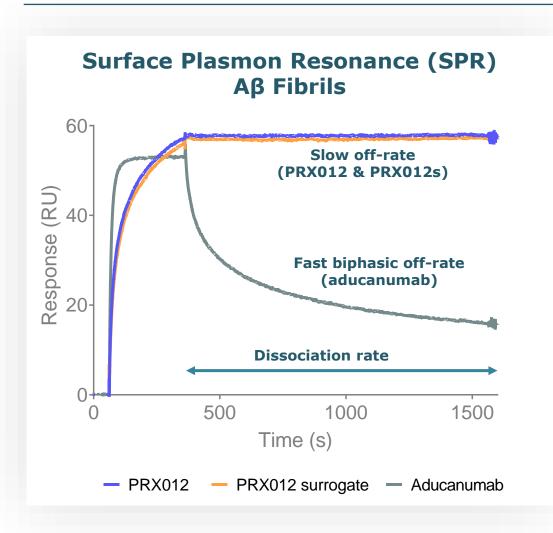




Microglia recognize and engulf PRX012-opsonized Aβ fibrils

PRX012 and Surrogate Demonstrate Equivalent Potent Binding Affinity for AB





Affinity for Aβ Species

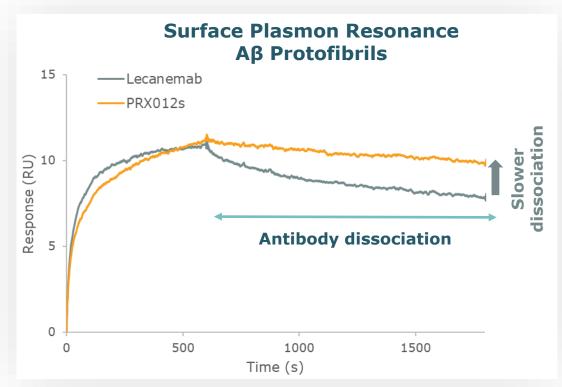
Compound	Fibril/Plaque	Ν3рЕ-Аβ
PRX012	0.070a	>67 ^b
PRX012s	0.054ª	>67 ^b

Data represent K_D values from SPR^a (nM) or IC50 from ELISA^b (nM).

- Potent binding strength of PRX012 and its surrogate (PRX012s) to fibrillar Aβ are equivalent, both demonstrating a very slow rate of dissociation
 - PRX012 and PRX012s share >99.5% sequence homology
- How does binding to protofibrils compare?

PRX012s Binds A\beta Protofibrils With Very High Affinity





Antibody	Relative Affinity (K _{D1})
Lecanemab ¹ (Tucker et al., 2015)	1.97 nM
Lecanemab ²	1.91 nM
PRX012s	0.0975 nM

SPR Binding Kinetics

	ka1 (1/Ms)	kd1 (1/s)	K _{D1}
Lecanemab ¹ (Tucker et al., 2015)	6.60E+05	1.30E-03	1.97E-09
Lecanemab ²	1.80E+05	3.42E-04	1.91E-09
PRX012s	1.63E+05	1.59E-05	9.75E-11

SPR protofibril binding was performed as described in Tucker et al., 2015¹



PRX012s binds to $A\beta$ protofibrils with approximately 20-fold greater affinity than lecanemab when tested under the same conditions

Greater affinity is driven largely by a slower binding dissociation

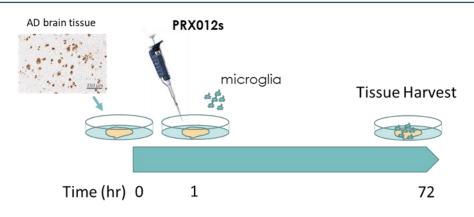
ka, association constant; kd, dissociation constant; KD, equilibrium constant; SPR, surface plasmon resonance. ¹Tucker S, et al. *J Alzheimers Dis.* 2015;43:575-588.

² Determined by Prothena.

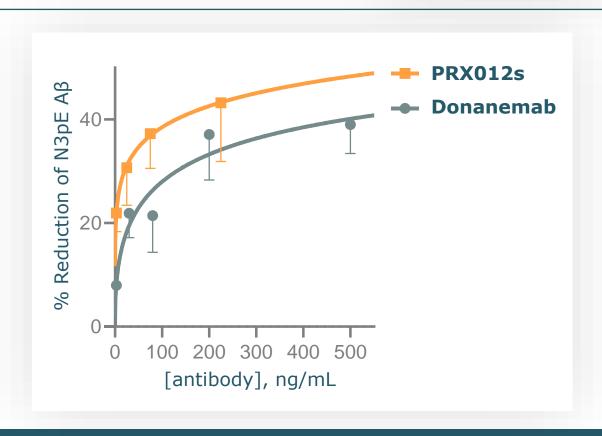
Lecanemab was generated from a publicly available sequence.

PRX012s Induced Potent and Robust Clearance of Pyroglutamate-modified Aβ





	Study Conditions
Tissue	Post-mortem AD brain tissue (same donor used for all conditions)
Treatment	PRX012s, donanemab, or IgG1 isotype control
Microglia	Primary mouse microglia (800,000 cells/mL)
Culture time	72 hours at 37°C



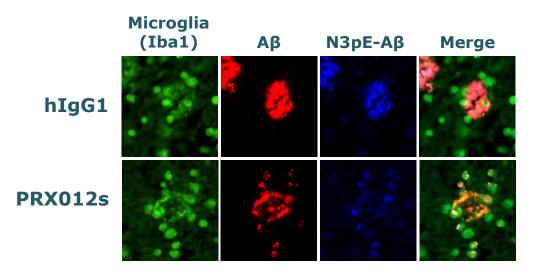


PRX012s facilitates concentration-dependent clearance of pyroglutamate-modified A β (N3pE-A β) at concentrations that may be relevant for PRX012 clinical exposure

PRX012s clears equivalent or more N3pE-A β at ~3-8x lower concentrations than donanemab

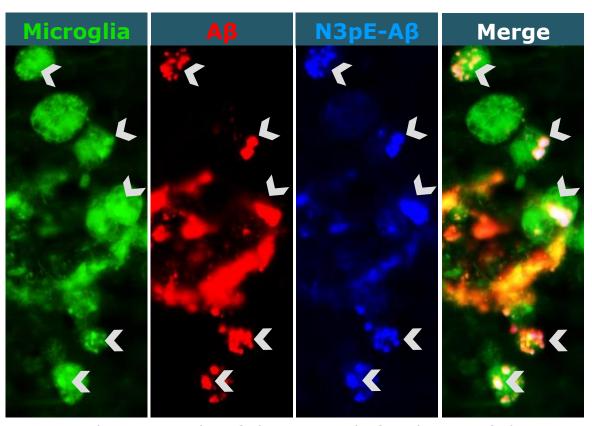
PRX012s Promotes Simultaneous Microglia-Mediated Phagocytosis of Aβ and N3pE-Aβ in Post-mortem Brain Tissue From AD Subjects





Microglia (Iba1: green) simultaneously phagocytose A β (red) and pyroglutamate-modified A β (A β_{pE3-42} : blue) in the presence of PRX012 surrogate, indicating that opsonization of plaques is sufficient to clear both species.

PRX012s promoted microglia-mediated phagocytosis of A β and pyroglutamate-modified A β (N3pE-A β) simultaneously



Arrows indicate examples of phagocytosed A β and N3pE-A β that co-localize inside microglia cells (immunostained with anti-Iba1 antibody).





SINGLE ASCENDING DOSE (SAD) COHORTS

Healthy Volunteer Cohorts

• Age 20 – 45 years

70 mg n= ~8 (3:1)

200 mg n= ~8 (3:1)

Early Alzheimer's Disease Cohorts

- Ages 60 85 years
- · Amyloid PET positive
- MMSE ≥ 18

70 mg n= ~8 (3:1)

200 mg n= ~8 (3:1) **400 mg** n = ~8 (3:1)

Trial Design



- Phase 1, randomized 3:1, double-blind, placebo-controlled, single ascending dose trial
- 1 subcutaneous dose of PRX012 or placebo
- Evaluate the safety, tolerability, immunogenicity, and pharmacokinetics of PRX012 in healthy volunteers and patients with Alzheimer's disease

PRX012 Phase 1 Multiple Dose Design



MULTIPLE DOSE ACTIVE COHORTS

Early Alzheimer's Disease "A" Cohorts

- Ages 55 85 years
- Amyloid PET positive
- MMSE ≥ 18
- "A" cohorts: APOε4 noncarrier or heterozygous

45 mg n= ~32 (3:1)

70 mg n= ~32 (3:1)

200 mg n= ~32 (3:1)

400 mg n= ~32 (3:1)

Optional Expansion Cohorts¹

Further evaluate selected doses from the "A" cohorts

Early Alzheimer's Disease "B" Cohorts

- Ages 55 85 years
- · Amyloid PET positive
- MMSE ≥ 18
- "B" cohorts: APOε4 homozygous

45 mg n= ~12 (3:1)

70 mg n= ~12 (3:1)

200 mg n= ~12 (3:1)

Trial Design



- Phase 1, randomized 3:1, double-blind, placebo-controlled, multiple dose trial
- Q4W (once monthly) subcutaneous dosing for 6 doses total (6 months)
- Evaluate the safety, tolerability, immunogenicity, pharmacokinetics, and pharmacodynamics of PRX012 in patients with early Alzheimer's disease
- ASCENT-1 and ASCENT-2 patients may continue into an open-label extension (ASCENT-3) for 12 doses (Q4W) of PRX012



BMS-986446 (formerly PRX005) Alzheimer's Disease

Global Neuroscience Collaboration with Bristol Myers Squibb

BMS-986446: Potential Best-in-Class anti-Tau antibody for Alzheimer's Disease





BMS-986446

Alzheimer's disease

Current Status: Phase 2

Anti-Tau Mechanism of Action

 Designed to specifically bind with high affinity to a key epitope within the microtubule binding region (MTBR) of tau, a protein implicated in the causal pathophysiology of Alzheimer's disease

Global Rights Deal for BMS-986446¹

- \$135 million paid-to-date for global rights
- BMS funds all development and commercialization
- Up to \$563 million in regulatory/sales milestones
- Tiered royalties

Phase 2 Trial (NCT06268886): Ongoing

- Global, double-blind, placebo-controlled
- 475 participants with early AD
- Randomized, 3 arms (two doses and placebo)
- Primary Endpoint: Mean change from baseline in CDR-SB score at 18 months

Phase 1 Trial:

- Phase 1 SAD data in healthy volunteers demonstrated dose-proportional concentrations in plasma with robust CNS penetration
- Phase 1 data supportive of Phase 2
- Generally safe and well-tolerated



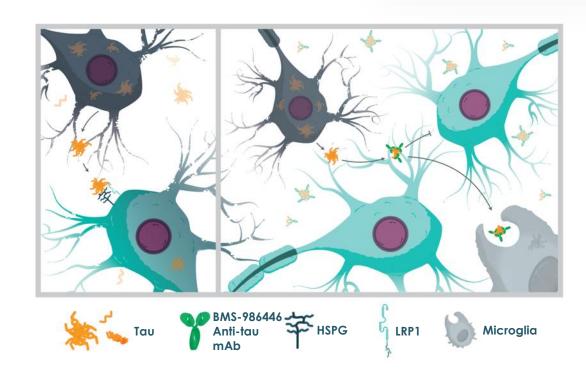
BMS-986446: MTBR-Specific Anti-Tau Antibody

BMS-986446, a differentiated tau antibody that targets an optimal tau region within the MTBR

- Recent publications strongly suggest that tau appears to spread throughout the brain via synaptically-connected pathways¹
- This propagation of pathology is thought to be mediated by tau "seeds" containing the MTBR of tau²

Potential for best-in-class efficacy

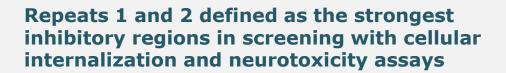
- Preclinical evaluation of our antibodies in our AD models demonstrated that MTBR-specific antibodies are superior to non-MTBR tau antibodies in blocking tau uptake and neurotoxicity
- Demonstrated significant inhibition of cell-to-cell transmission and neuronal internalization in vitro and in vivo and slowed pathological progression in a tau transgenic mouse model

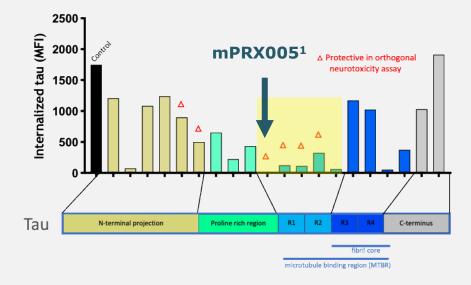


BMS-986446: Potential Best-in-Class MTBR-Specific Anti-Tau Antibody to Reduce Pathogenic Tau Spread

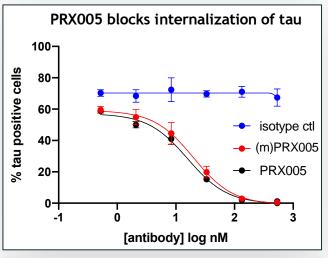
BMS-986446 (PRX005): Superior in Blocking Cellular Internalization of Tau and Downstream Neurotoxicity Compared to Other Anti-Tau Antibodies

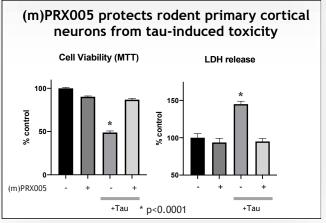






- Panel of Prothena antibodies targeted throughout the tau molecule were screened for optimal affinity and epitope
- These were tested *in vitro* for their ability to block internalization and toxicity

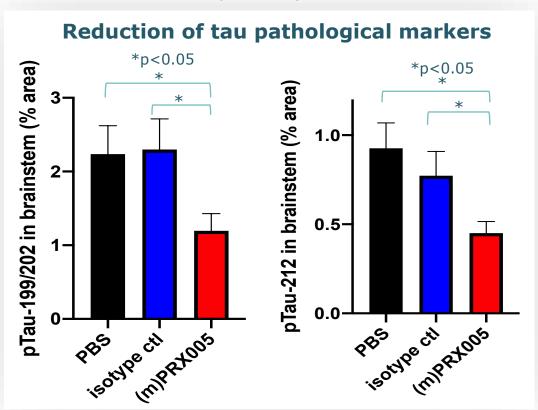




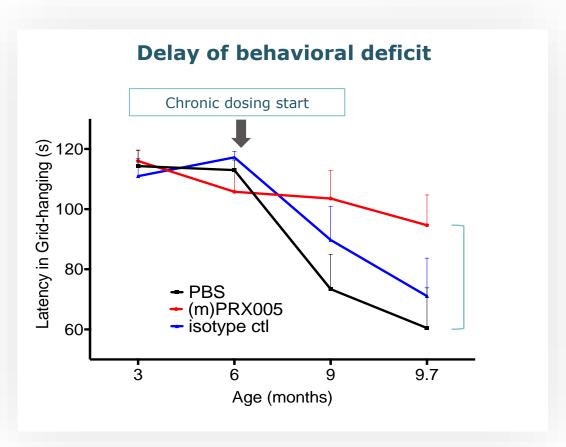
(m)PRX005 Treatment Reduces Pathological Tau and Ameliorates Behavioral Deficit in Transgenic Tau Mouse Model



All values are mean \pm SE (n=15-20)



 PS19 transgenic mice overexpressing tau mutation (P301S) cause high levels of neuronal tau pathology and resultant behavioral deficits



 Initiation of treatment (weekly i.p.) at the onset of pathological development (treatment mode) with (m)PRX005 delays brainstem tau pathology and consequent behavioral deficits

BMS-986446: TargetTau-1 Phase 2 Trial Design

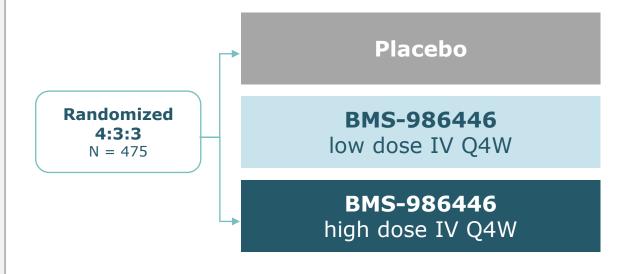


TargetTau-1

Trial Overview (NCT06268886)¹

Key Inclusion Criteria

- Ages 50 80 years
- MCI due to AD or mild AD dementia
- Objective episodic memory impairment
- MMSE score 22-30
- AD pathology confirmed by plasma biomarkers and positive tau PET imaging



Key Assessments

Tau PET imaging

- AD biomarkers²
- Cognitive assessments
- MRI

Primary Endpoint

 Mean change from baseline in CDR-SB score vs. placebo at 76 weeks

Secondary Endpoints

 Mean change from baseline in brain tau deposition, iADRS, MMSE, ADAS-Cog14, & ADCS-iADL vs. placebo at 76 weeks

Open-label Extension

 Patients may continue into an optional OLE for 96 weeks

¹ Presented at: The 2024 AAIC Annual Meeting; July 28, 2024; Philadelphia, PA.

² Standard bFluid-based biomarkers include total tau, p181tau, p217tau, Aβ [1-42], Aβ [1-40], neurofilament light chain, and glial fibrillary acidic protein.

AD, Alzheimer's disease; ADAS-Cog14,14-item Alzheimer's Disease Assessment Scale; CDR-SB, Clinical Dementia Rating Scale Sum of Boxes; iADRS, Integrated Alzheimer's Disease Rating Scale; IV, intravenous; MMSE, Mini-Mental State Examination; MRI, magnetic resonance imaging; OLE, open-label extension; PET, positron emission tomography; Q4W, every 4 weeks.



PRX123

Alzheimer's Disease

Vaccine Constructs: Potential Best-in-class Dual Aβ/Tau Vaccine for the Treatment & Prevention of AD



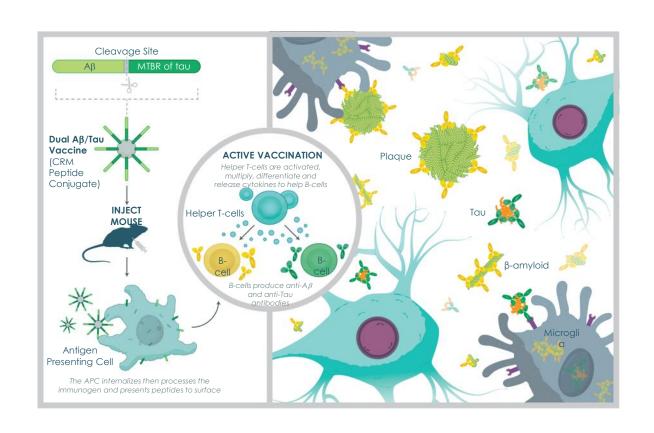
PROTHENA IS PIONEERING THE DEVELOPMENT OF DUAL Aβ/TAU VACCINE CANDIDATE PRX123

Synergistic mechanism designed for increased efficacy over single-target vaccines

- Strong evidence from preclinical models suggests that $A\beta$ and tau may act synergistically in the development of AD
- Prothena's dual Aβ/tau vaccine program aims to induce optimal (quantity and quality) and balanced immune response to both targets, while avoiding cytotoxic t-cell response

Potential treatment & prevention

- Dual vaccine constructs were shown to generate balanced titers to $A\beta$ and tau in non-human primates and Guinea pigs as measured by ELISA
- The immune animal sera reacted to Aβ and tau, induced Aβ phagocytosis, and blocked tau interaction with a key mediator of cellular release and cell-to-cell transmission
- IND cleared by FDA
- Fast Track designation granted by FDA



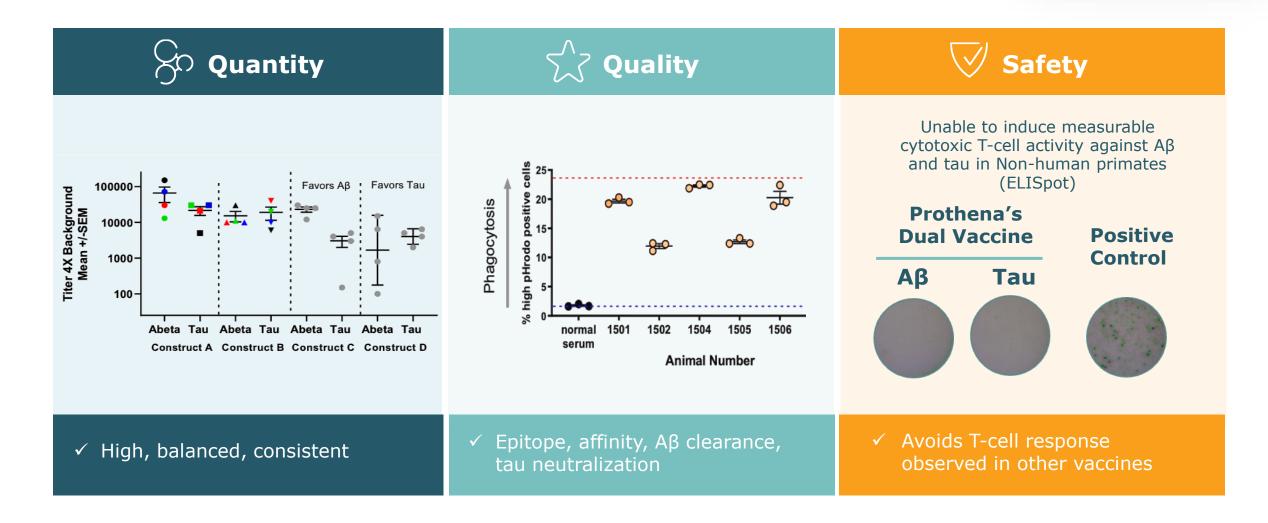
Desirable Attributes of Aβ/Tau Vaccines and Prothena's Design Strategies



		Design Strategy	Desirable Output
1 Quantity	RESPONSE Antibody levels, balanced Aβ/tau, persistency	 Linear peptides, proprietary cleavable linkers Optimal carriers, immunization schedule, adjuvant 	 ✓ Optimal antigen presentation with persistent immune response ✓ Overcomes immunodominance and immunosenescence
2 \(\sqrt{\sqrt{\sqrt{\chi}}} \) Quality	EFFICACY Isotypes, binding, Aβ clearance, tau neutralization	 Optimal Aβ and tau epitopes Elements for induction of mature TH response 	✓ Antibodies bind the right epitopes on pathogenic proteins✓ IgG switch and affinity maturation
3 Safety	SAFETY Cytotoxic T-cell avoidance, target-specificity	 Short Aβ/tau epitopes not recognizable by cytotoxic T-cells No off-target binding risk based on peptide sequences 	✓ No cytotoxic T-cell responses✓ Specific antibodies

Prothena's Dual Aβ/Tau Vaccines Demonstrate Desirable Quantity, Quality and Safety







Birtamimab

AL Amyloidosis

Birtamimab: Differentiated Approach to AL Amyloidosis





Birtamimab

AL amyloidosis

Current Status: Phase 3

Anti-Amyloid Mechanism of Action

- Clears insoluble AL amyloid deposits that cause vital organ dysfunction and failure^{a,1,2}
- Neutralizes toxic soluble amyloidogenic species^{a,2,3}

Addresses Acute Unmet Need

- Patients with significant cardiac involvement are at high risk for early mortality¹
- Currently approved treatments have not demonstrated any survival benefit in Mayo Stage IV^{b,1,4,5}

Phase 3 AFFIRM-AL (NCT04973137): Ongoing⁶

- Trial designed per FDA Special Protocol Assessment (SPA) with unprecedented $P \leq 0.10$
- Primary Endpoint: Time to all-cause mortality
- Top-line results expected between 4Q 2024 and 2Q 2025

Phase 3 VITAL: Post hoc analysis⁷

- Significant survival benefit in Mayo Stage IV
- Birtamimab + SoC reduced the risk of mortality by 59% compared to placebo + SoC (HR 0.413, P = 0.021)
- Rapid response with clear and sustained separation by month 2
- Meaningful improvement on measures of physical function and quality of life

HR=Hazard Ratio; SoC=Standard of care.

^a Murine version of birtamimab, 2A4.

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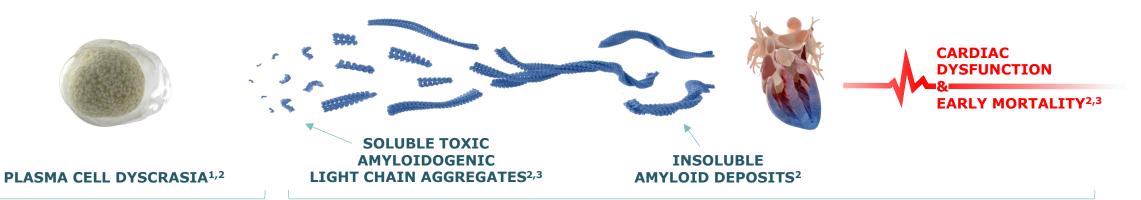
b Mayo Stage IV patients have all 3 biomarkers elevated: NT-proBNP (≥1,800 pg/mL); cTnT (≥0.025 ng/mL); dFLC (≥180 mg/dL).

Palladini G, et al. Leukemia & Lymphoma. 2024;1-11. 2 Wall JS, Kennel SJ, Williams A, et al. PLoS One. 2012;7(12):e52686. 3 Renz M, Torres R, Dolan PJ, et al. Amyloid. 2016;23(3):168-177. 4 Kumar S, Dispenzieri A, Lacy MQ, et al. J Clin Oncol. 2012;30(9):989-995. 5 Kyle RA, Gertz MA, Greipp PR, et al. N Engl J Med. 1997;336(17):1202-1207. 6 Gertz MA, et al. Birtamimab in patients with Mayo stage IV AL amyloidosis: Rationale for confirmatory affirm-AL phase 3 study. Presented at: The 2022 ASCO Annual Meeting; June 3-7, 2022; Chicago, IL, USA. 7 Gertz MA, et al. Blood. 2023;142(14):1208-1218.

Abnormal Light Chains Deposit As Amyloid in Vital Organs, Most Commonly the Heart¹



AL AMYLOIDOSIS PATHOGENIC PATHWAY



Amyloidogenic light chains misfold and aggregate^{2,3}

Continuous accumulation of toxic amyloid in heart, other organs, and surrounding tissues leads to organ dysfunction and failure^{1,3,4}

Early Disease¹ Advanced Disease with Cardiac Involvement^{1,2,5}

Of Patients with Cardiac Involvement, the Most Severe Have Median Survival of <6 Months^{6,7}

Birtamimab's Anti-Amyloid Mechanism Designed to Address the Unmet Need for Patients

LIGHT CHAIN AGGREGATES



AL AMYLOIDOSIS PATHOGENIC PATHWAY²⁻⁴



PLASMA CELL DYSCRASIA



INSOLUBLE AMYLOID DEPOSITS



Current plasma cell directed treatments decrease light chain production^{a,2}

Birtamimab's transformative anti-amyloid MoA¹:

- ✓ Clears AL amyloid deposits from organs/tissues
- ✓ Neutralizes soluble amyloidogenic aggregates

Most patients today take some combination of daratumumab + CyBorDa,1

Birtamimab demonstrated significant survival benefit in Phase 3 VITAL post hoc analysis in Mayo Stage IV patients⁵

Birtamimab Designed to Address Unmet Need



	Birtamimab ^{1,2} (Prothena)	CAEL-101 ³⁻⁵ (AZ/Alexion)	Daratumumab ^{1,6,7} (Janssen)
Anti-Fibril mAb			×
Demonstrated Survival Benefit in a Randomized Clinical Trial		×	×
MOA: Clears Insoluble Deposits			×
MOA: Neutralizes Soluble Aggregates		?	×
Monthly Dosing		×	×
Humanized		×	

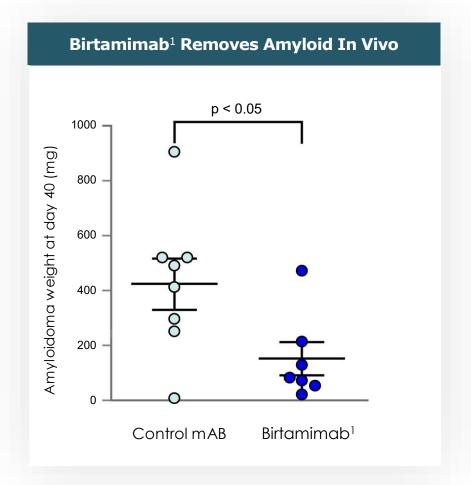
Addition of Birtamimab could significantly improve survival in patients with cardiac involvement²

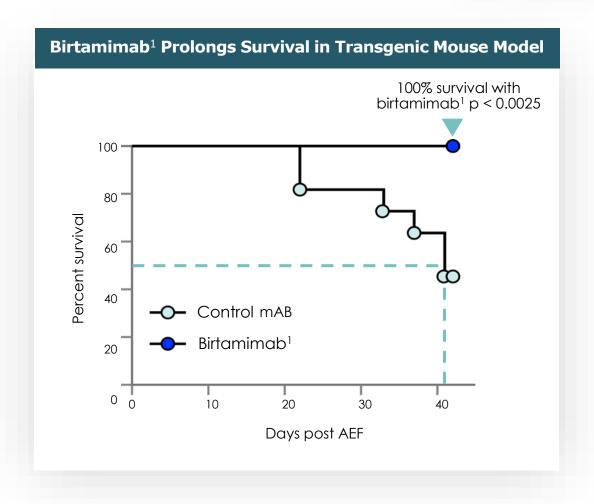
^a Post-hoc analyses demonstrated a significant survival benefit with birtamimab and meaningful improvements in QoL and functional capacity in patients at high risk for early mortality (Mayo Stage IV at baseline).

¹ Palladini G, et al. *Leukemia* & *Lymphoma*. 2024;1–11. ² Gertz MA, et al. *Blood*. 2023;142(14):1208-1218. ³ Edwards CV, Rao N, Bhutani D, et al. *Blood*. 2021;138(25):2632-2641. ⁴ Hughes MS, et al. Updated OS of patients with AL amyloidosis after CAEL-101. Presented at: The 2023 ASCO Annual Meeting; June 2-6, 2023; Chicago, IL, USA. ⁵ Valent J, Silowsky J, Kurman MR, et al. *Blood* (2020) 136 (Supplement 1): 26–27. ⁶ Kastritis E, Palladini G, Minnema MC, et al. *N Engl J Med*. 2021;385(1):46-58. ⁷ Muchtar E, Dispenzieri A, Gertz MA, et al. *Mayo Clin Proc*. 2021;96(6):1546-1577.

Birtamimab¹ Demonstrated Significant Amyloid Clearance and Prolonged Survival in Preclinical Model











Global, randomized, double-blinded, placebo-controlled clinical trial

- Sample size and randomization
 - N=260
 - 1:1
- Key eligibility criteria
 - Confirmed diagnosis of AL amyloidosis
 - Newly diagnosed and treatment naïve
 - Cardiac involvement
- Treatment regimen
 - Birtamimab 24 mg/kg vs placebo, with concurrent standard of care (SoC) in both arms

Primary endpoint

Composite endpoint of time to all-cause mortality or time to cardiac hospitalizations
 (≥90 days) as adjudicated by the Clinical Events Committee

Secondary endpoints

Quality of life: SF-36v2 PCSFunctional capacity: 6MWT

Randomization stratification

Mayo Stage I-II vs III-IV, renal stage I vs II-III and 6MWT distance < 300 m vs ≥ 300m

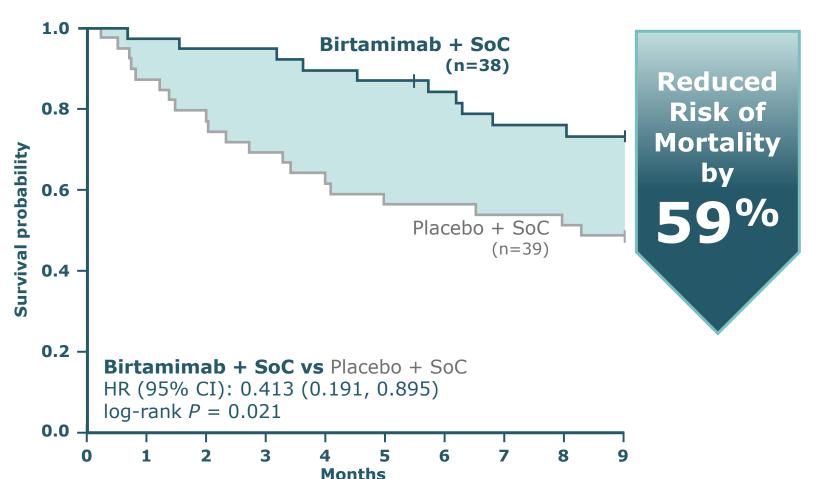
30% of patients enrolled in VITAL (N=77) were characterized as Mayo Stage IV at baseline

- 38 in birtamimab + SoC arm
- 39 in placebo + SoC arm

Previous Phase 3 VITAL Trial Demonstrated Significant Survival Benefit in Mayo Stage IV^{a,1}



Time to All-Cause Mortality (ACM) in Mayo Stage IV Patients^b



Post Hoc Analyses of Initial Phase 3 Randomized Trial (VITAL) in Mayo Stage IV Patients

Efficacy

- Unparalleled early and sustained survival benefit (HR = 0.413)
- Meaningful improvements in functional (6MWT) and quality of life (SF-36v2 PCS) endpoints, at 9 months (P < 0.05)

Safety

- Treatment-related grade ≥3 TEAE:
 3% (birtamimab + SoC) vs
 10% (placebo + SoC)
- Common treatment-emergent adverse event rate similar to placebo + SoC

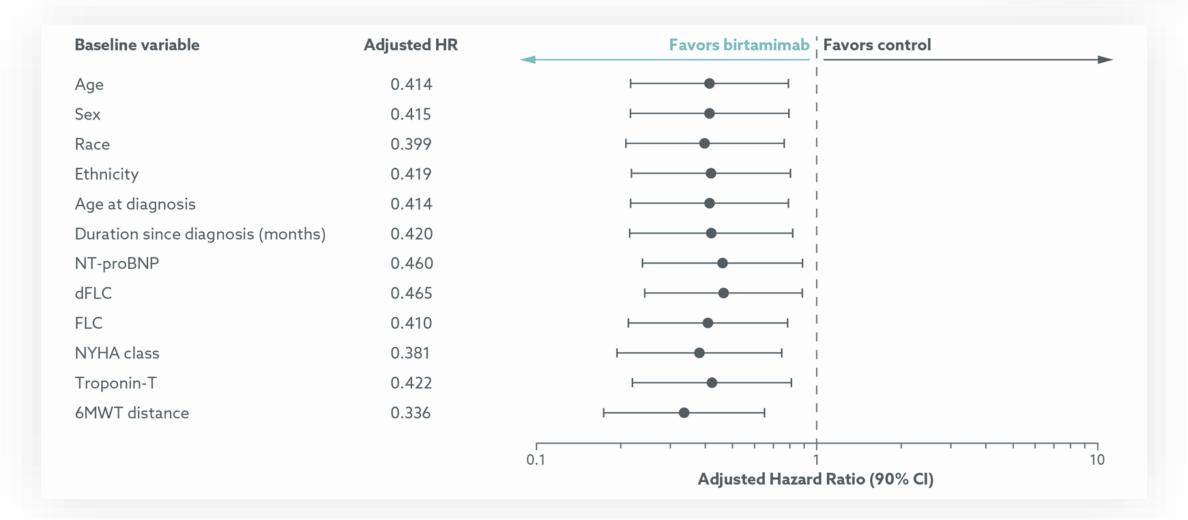
^a Post hoc analyses demonstrated a significant survival benefit with birtamimab and significant improvements in QoL and functional capacity in patients at high risk for early mortality (Mayo Stage IV).

^b Adapted from Gertz et al. *Blood*, 2023.

¹ Gertz MA, et al. *Blood*. 2023;142(14):1208-1218.

Birtamimab Survival Benefit Persists When Adjusted for Key Baseline Variables (Mayo Stage IV)^{a,1}





^a Adapted from Gertz et al. *Blood*. 2023.

¹ Gertz MA, et al. *Blood*. 2023;142(14):1208-1218.

Birtamimab: Confirmatory Phase 3 AFFIRM-AL Trial Design

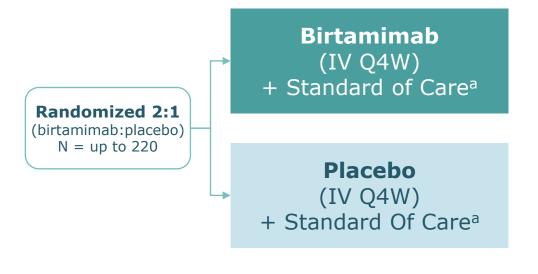




Trial Overview (NCT04973137)¹

Key Eligibility Criteria

- Confirmed diagnosis of AL amyloidosis
- Patients with significant cardiac involvement (Mayo Stage IV)
- √ FDA Fast Track Designation
- ✓ Orphan Drug Designation (FDA and EMA)



Primary Endpoint

Time to all-cause mortality

Secondary Endpoints

- 6MWT
- SF-36v2 PCS

SPA Agreement with FDA

- Based on VITAL results, SPA agreement with FDA at unprecedented P ≤ 0.10
- Interim analysis when ~50% events have occurred

^a Standard of care was bortezomib-containing chemotherapy (required) +/- daratumumab (at investigator's discretion).

¹ Gertz MA, et al. Birtamimab in patients with Mayo stage IV AL amyloidosis: Rationale for confirmatory affirm-AL phase 3 study. Presented at: The 2022 ASCO Annual Meeting; June 3-7, 2022; Chicago, IL, USA.

AL Amyloidosis Patients Require Urgent Treatment upon Diagnosis^{1,2}





- Symptoms and signs of AL amyloidosis are common to many other conditions^{1,3}
- Patients typically see a variety of specialists on their journey to diagnosis^{4,5}
- Definitive diagnosis usually not made until they meet with a hematologist/oncologist²

- By the time of diagnosis, patients have accumulated significant cardiac amyloid deposition^{8,9}
- Urgent treatment is required, and hematologists/oncologists are the primary treaters with support from cardiologists⁵

^a Adapted from Basso, et al. Virchows Arch. 2021.

^b Adapted with permission from Seward JB, et al. *J Am Coll Cardiol.* 2010.

¹ Milani P, Merlini G, Palladini G. Mediterr J Hematol Infect Dis. 2018;10(1):e2018022. ² Lousada I, Comenzo RL, Landau H, Guthrie S, Merlini G. Adv Ther. 2015;32(10):920-928. ³ Muchtar E, Dispenzieri A, Gertz MA, et al. Mayo Clin Proc. 2021;96(6):1546-1577. ⁴ Lousada I, et al. Amyloidosis Research Consortium Cardiac Amyloidosis Survey: Results From Patients With AL Amyloidosis and Their Caregivers. Presented at: The 22nd European Hematology Association Congress; June 22-25, 2017; Madrid, Spain. ⁵ Stern LK, Patel J. Methodist Debakey Cardiovasc J. 2022;18(2):59-72. ⁶ Basso C, Michaud K, d'Amati G, et al. Virchows Arch. 2021;479(1):79-94. ⁷ Seward JB, Casaclang-Verzosa G. J Am Coll Cardiol. 2010;55(17):1769-1779. ⁸ Kumar N, Zhang NJ, Cherepanov D, Romanus D, Hughes M, Faller DV. Orphanet J Rare Dis. 2022;17(1):278. ⁹ Muchtar E, Gertz MA, Kyle RA, et al. Mayo Clin Proc. 2019;94(3):472-483.

Defined Patient Population and Consolidated Prescriber Base Enable Birtamimab Market Penetration with Focused Launch



Significant Unmet Need



Mayo Stage IV AL amyloidosis:

- Urgent need for immediate intervention¹
- Median overall survival
 6 months^{2,3}

Defined Patient Population²⁻⁶



Mayo Stage IV AL amyloidosis diagnosed patients:^{2,4}

- >20K across major global markets
 - US (4K); EU (5K)

Consolidated Prescriber Base







- ~75% US and EU Mayo Stage IV patients primarily treated in ~500 amyloidosis specialty centers⁵
- Patients are primarily treated by hematologists and cardiologists⁵

Focused Opportunity and Commercial Approach



Prasinezumab Parkinson's Disease

Worldwide Collaboration with Roche

Prasinezumab: Potential First-in-Class Treatment for Parkinson's Disease





Prasinezumab

Parkinson's Disease

Current Status: Phase 2b

Anti-α-synuclein Antibody

• Preferentially binds to aggregated α -synuclein to reduce pathogenic spread and decrease synuclein pathology¹⁻⁴

Rapidly Growing Parkinson's Disease Patient Population

- 10 million patients globally⁵
- Fastest increasing neurodegenerative disease⁶

Worldwide Collaboration with Roche

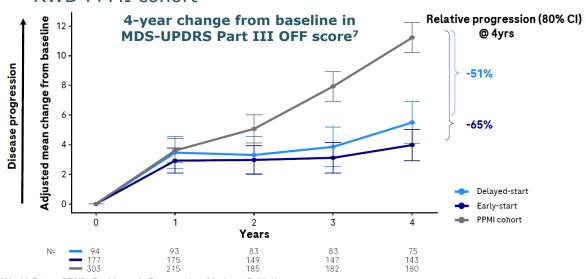
- Up to \$620 million in additional milestones
- \$135 million paid-to-date
- Up to double-digit teen royalties
- US co-promote option

Phase 2b PADOVA (NCT04777331): Ongoing

- N = 586 early Parkinson's disease patients
- Primary Endpoint: Time to confirmed motor progression event (≥5 point on MDS-UPDRS Part III)
- Topline results expected in 2H 2024

Phase 2 PASADENA (NCT03100149): OLE Ongoing

 OLE showed slowing of motor progression vs. matched RWD PPMI cohort



MDS-UPDRS: Movement Disorder Society-Sponsored Revision of the Unified Parkinson's Disease Rating Scale; RWD: Real World Data; PPMI: Parkinson's Progression Markers Initiative.

¹ Jankovic J et al. JAMA Neurol. 2018; 75:1206–1214. ² Masliah E, et al. Neuron. 2005; 46:857–868; ³ Masliah E, et al. PLoS ONE. 2011; 6:e19338; ⁴ Games D, et al. J Neurosci. 2014; 34:9441–9454

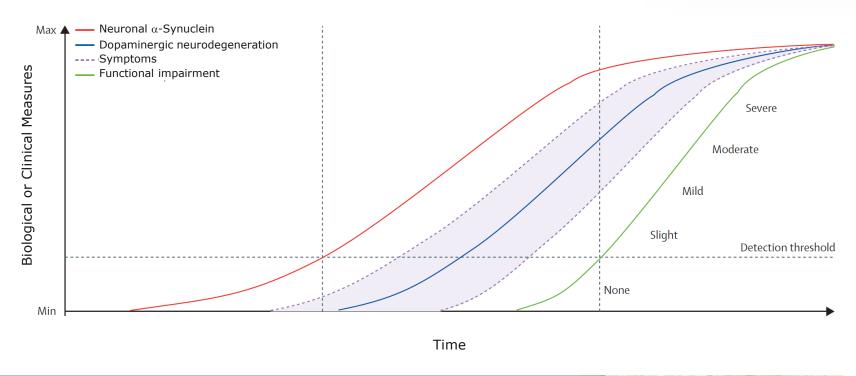
⁵ Parkinson's Foundation. Understanding Parkinson's. Statistics; ⁶ GBD 2015 Neurological Disorders Collaborator Group (2017) Global, regional, and national burden of neurological disorders during 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet Neurol 16, 877-897. ⁵ Pagano et al. PASADENA long-term open-label extension continue to show reduced motor and functional progression in prasinezumab-treated individuals with early-stage Parkinson's disease compared to a real-world data arm. Presented at the AD/PD™ 2024 International Conference on Alzheimer's and Parkinson's Diseases in Lisbon, Spain. March 5-9, 2024.

α-Synuclein Pathology is Strongly Implicated in Parkinson's Disease

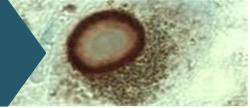


Accumulation of α -Synuclein is a predominant neuropathological feature and follows the topological progression of disease

Genetically validated target with evidence favoring a prominent role for α -Synuclein in early PD: missense mutations and duplication/triplication



α-Synuclein is the predominant component of Lewy bodies found in Parkinson's disease and other synucleinopathies



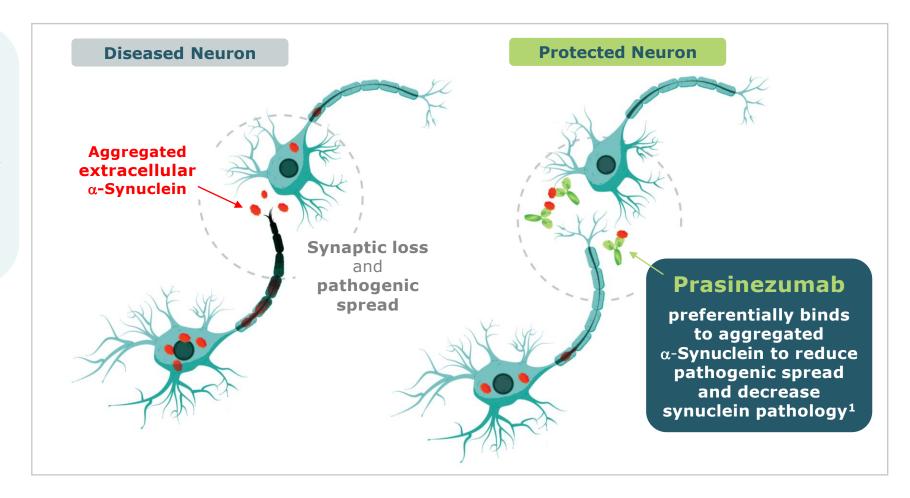


Prasinezumab: α-Synuclein Immunotherapy

REDUCE NEURONAL TOXICITY AND PREVENT CELL-TO-CELL TRANSMISSION¹

α-Synuclein as an extracellular target during pathogenesis

 Caudal-rostral staging, host-to-graft transfer, various propagation models



Prasinezumab: Clinical Development Program for Early Parkinson's Disease



Completed Phase 2 PASADENA (NCT03100149)

- N=316, randomized 1:1:1 (1500 mg, 4500 mg, placebo), Q4W IV dosing for 52 weeks (Part 1), followed by a 52-week extension (Part 2)
- Study Population: Hoehn & Yahr Stage I or II
 - H&Y Stage I = 24.7%
 - H&Y Stage II = 75.3%
 - **Age:** 40 80 years; mean = 59.9 years
 - **Time from diagnosis:** ≤ 2 years; mean = 10.1 months
 - Concomitant medication: Treatment naïve or stable dose of MAO-B inhibitor and not expected to change within 52 wks

Ongoing Phase 2b PADOVA (NCT04777331)

- N=586, randomized 1:1 (1500 mg, placebo), Q4W IV dosing for at least 76 weeks and confirmed number of events¹
- Study Population: Hoehn & Yahr Stage I or II
 - H&Y Stage I = 13.8%
 - H&Y Stage II = 85%²
 - **Age:** Age 50 to 85 years; mean = 64.2 years of age
 - **Time from diagnosis:** ≤ 3 years; mean = 18.6 months
 - Concomitant medication: On a stable dose of levodopa or MAO-B inhibitor for ≥3 months prior to baseline

PADOVA study population more advanced than the PASADENA population

Primary Endpoint:

 Change from baseline at Week 52 in MDS-UPDRS sum of Parts I + II + III vs. placebo

Primary Endpoint:

 Time to confirmed motor progression event (≥5 point increase in MDS-UPDRS Part III score from baseline)

PADOVA to focus on evaluation of motor progression as measured by MDS-UPDRS Part III

¹ At least 76 weeks and ≥248 events of confirmed motor progression (≥5 point on MDS-UPDRS Part III)

² 7 patients were randomized in PADOVA with H-Y Stage III.

Source: Pagano et al. A study to evaluate the efficacy and safety of intravenous prasinezumab in participants with early Parkinson's disease (PADOVA): Rationale, design, and baseline data. Presented at the AD/PD™ 2024 International Conference on Alzheimer's and Parkinson's Diseases in Lisbon, Spain. March 5-9, 2024.



Phase 2 PASADENA Trial Summary of Results

PRASINEZUMAB IN EARLY PARKINSON'S DISEASE

- First anti- α -synuclein antibody to slow progression on measures of PD
 - ✓ Part 1: 35% less progression vs. placebo at 1 year on MDS-UPDRS Part III¹
 - ✓ Greater slowing of motor progression in subpopulations of individuals with rapidly progressing disease²
 - ✓ Part 2: **Less progression** on MDS-UPDRS Part III in early-start vs. delayed-start group at 2 years³
 - ✓ OLE: **65% less progression** vs. matched RWD PPMI cohort at **4 years** on MDS-UPDRS Part III (OFF state) with early-start treatment group³
 - ✓ OLE: **118% less progression** vs. matched RWD PPMI cohort at **4 years** on MDS-UPDRS Part III (ON state) with early-start treatment group³
- Generally safe and well tolerated, majority of AEs mild of moderate and similar across placebo and both treatment arms

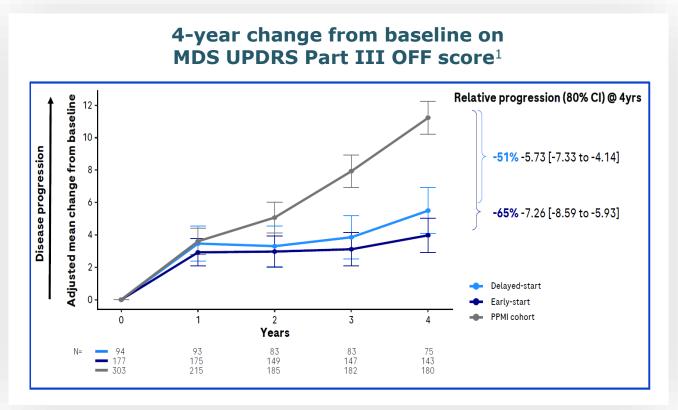
Results support the potential of prasinezumab to slow underlying disease pathophysiology and clinical decline in patients with PD

¹ Primary Endpoint: Change from baseline at Week 52 in MDS-UPDRS sum of Parts I + II + III vs. placebo; Pagano et al. N Engl J Med 2022;387:421-32. ² Pagano, G., Taylor, K.I., Anzures Cabrera, J. et al. Nat Med 30, 1096–1103 (2024). ³ Pagano et al. Delayed start analysis of PASADENA: A randomised Phase II study to evaluate the safety and efficacy of prasinezumab in early Parkinson's disease; Part 2 Week 104 results. Presented at the AD/PD™ 2022 International Conference on Alzheimer's and Parkinson's Diseases in Barcelona, Spain. March 15-20, 2022. ⁴ Compared prasinezumab population with a propensity score-balanced cohort of real-world data (RWD) Parkinson's Progression Markers. Initiative (PPMI); Source: Pagano et al. PASADENA long-term open-label extension continue to show reduced motor and functional progression in prasinezumab-treated individuals with early-stage Parkinson's disease compared to a real-world data arm. Presented at the AD/PD™ 2024 International Conference on Alzheimer's and Parkinson's Diseases in Lisbon, Spain. March 5-9, 2024.





PRASINEZUMAB CONTINUED TO SLOW PROGRESSION OF MOTOR DEFICITS IN EARLY-STAGE PD



Presented at the AD/PD™ 2024 International Conference on Alzheimer's and Parkinson's Diseases in Lisbon, Spain. March 5-9, 2024.

PASADENA: Open-Label Extension

Compared prasinezumab population with a propensity score-balanced cohort of real-world data (RWD) Parkinson's Progression Markers Initiative (PPMI)

The data suggests that prasinezumab slowed the progression of motor deficits (MDS-UPDRS Part III OFF score) in early-stage Parkinson's disease

¹ CI, confidence interval; MDS-UPDRS, Movement Disorder Society-Sponsored Revision of the Unified Parkinson's Disease Rating Scale; PPMI, Parkinson's Progression Markers Initiative; RWD, real-world data.

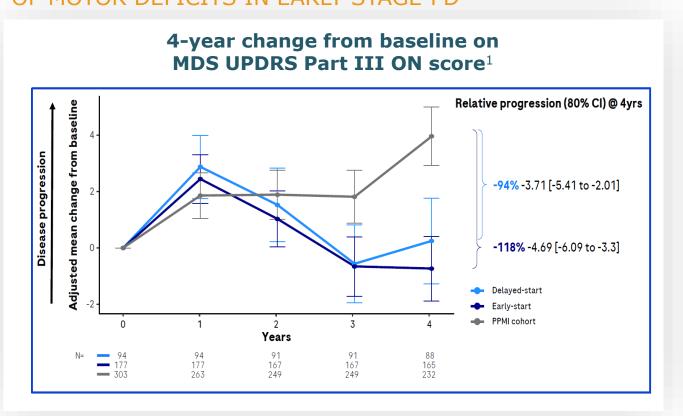
Data from ongoing 5 year open-label extension trial with patients receiving 1500 mg dose of Prasinezumab Q4W IV dosing.

Source: Pagano et al. PASADENA long-term open-label extension continue to show reduced motor and functional progression in prasinezumab-treated individuals with early-stage Parkinson's disease compared to a real-world data arm.





PRASINEZUMAB CONTINUED TO SLOW PROGRESSION OF MOTOR DEFICITS IN EARLY-STAGE PD



PASADENA: Open-Label Extension

The data suggests that prasinezumab slowed the progression of motor deficits (MDS-UPDRS Part III ON score) in early-stage PD patients when receiving benefit from symptomatic treatment

¹ CI, confidence interval; MDS-UPDRS, Movement Disorder Society-Sponsored Revision of the Unified Parkinson's Disease Rating Scale; PPMI, Parkinson's Progression Markers Initiative; RWD, real-world data. Data from ongoing 5 year open-label extension trial with patients receiving 1500 mg dose of Prasinezumab Q4W IV dosing.



Coramitug (formerly PRX004) ATTR Amyloidosis

ATTR Business Acquired by Novo Nordisk

Coramitug (formerly PRX004): Potential First-in-Class Treatment for ATTR Amyloidosis





Coramitug *ATTR Amyloidosis*

Current Status: Phase 2

Differentiated Depleter Mechanism of Action

- Inhibits fibril formation and specifically binds to pathogenic TTR¹
- Uniquely designed for patients at high risk of early mortality due to amyloid deposition

Rare Transthyretin amyloidosis (ATTR) Patient Population

Worldwide Collaboration with Novo Nordisk

- \$1.13 billion in additional milestones
- \$100 million paid-to-date

Phase 2 Signal Detection Trial (NCT05442047): Ongoing

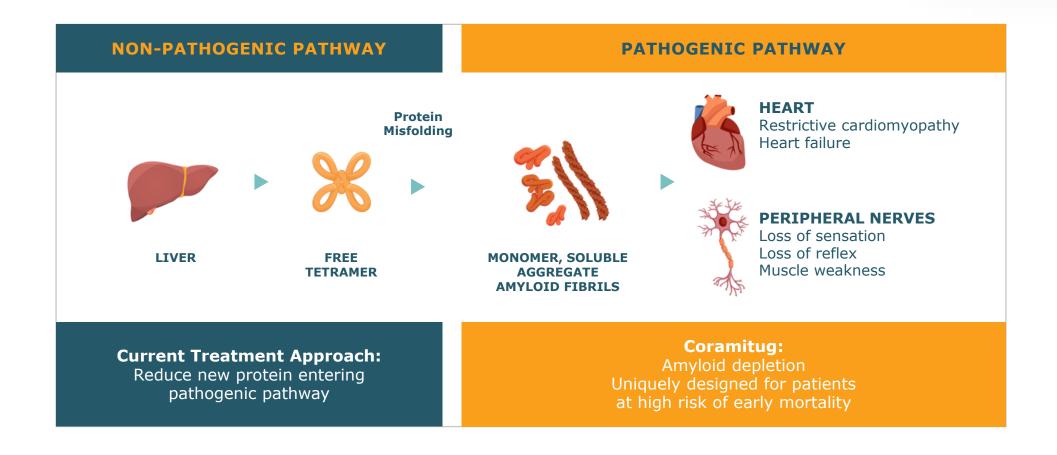
- $N = \sim 99$ ATTR-CM patients, 3 arms
- Participants receive IV infusion Q4W of 10 mg/kg or 60 mg/kg of coramitug or placebo added to SOC until week 52
- Co-primary Endpoints: Change from baseline in 6MWT and in NT-proBNP levels
- Trial has completed enrollment; topline results expected in 1H 2025

Phase 1 Trial:

- All six dose levels of coramitug found to be generally safe and well-tolerated
- Positive results on neuropathy and cardiac function
- Data supportive of advancing to Phase 2

Differentiated Mechanism for Treatment of ATTR Amyloidosis





Coramitug: Depleter MoA May Provide a New Treatment Paradigm for Patients at High-risk of Early Mortality Due to Amyloid Deposition

Designed to Deplete Amyloid

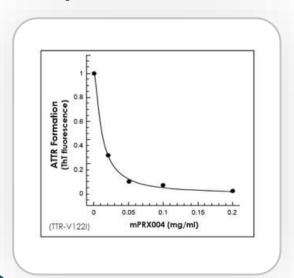


SUMMARY OF PRECLINICAL EFFECTS OF mPRX004

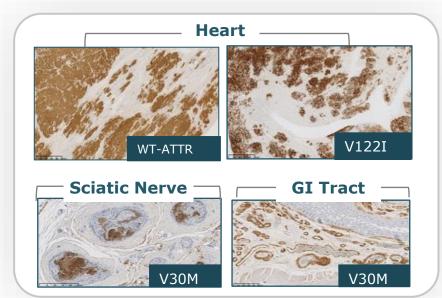
mPRX004 (murine form of PRX004) preclinical results:1

- ✓ Inhibits fibril formation
- ✓ Specifically binds to pathogenic TTR
- Reacts to amyloid deposits in multiple organs in both wtATTR and ATTRv patients
- ✓ Promotes in vivo ATTR amyloid clearance

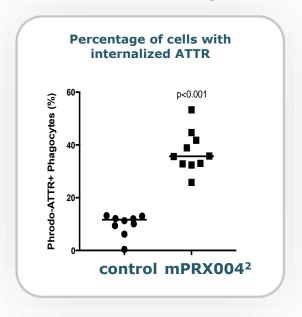
Inhibition of amyloid formation



Specific binding to amyloid



Clearance of amyloid



¹ Higaki JN et al. Amyloid, 2016; Preclinical studies of mPRX004, the murine form of PRX004

² mPRX004 = murine form of PRX004 (coramitug)



Upcoming Milestones



Upcoming Potential Milestones

TRANSFORMATIONAL PERIOD AHEAD

Wholly-owned Programs		
Birtamimab for potential treatment of AL amyloidosis		
4Q24 - 2Q25	☐ Confirmatory Phase 3 AFFIRM-AL topline data (NCT04973137)	
PRX012 for	potential treatment of Alzheimer's disease	
2024	☐ Ongoing Phase 1 trial update	
PRX123, dual Aβ/Tau vaccine for potential treatment and prevention of Alzheimer's disease		
2024	☐ Phase 1 timeline update	
Partnered Programs		
Prasinezumab for potential treatment of Parkinson's disease (Roche)		
2H24	☐ Phase 2b PADOVA clinical trial topline data (NCT04777331)	
Coramitug/PRX004 for potential treatment of ATTR-cardiomyopathy (Novo Nordisk)		
1H25	☐ Topline Phase 2 data (NCT05442047)	
BMS-986446/PRX005 for potential treatment of Alzheimer's disease (Bristol Myers Squibb)		
1H24	Bristol Myers Squibb initiated a Phase 2 clinical trial (NCT06268886)	
PRX019 for	potential treatment of neurodegenerative diseases (Bristol Myers Squibb)	
2024	☐ Prothena to initiate a Phase 1 clinical trial	



APPENDIX: Partnership and Collaboration Details

Bristol Myers Squibb Collaboration: Advancing Two Clinical Stage Programs



BMS Collaboration¹: Up to \$1.55 Billion + Royalties

- □ \$1.18 billion in additional milestones available (\$562.5 million for BMS-986446 and \$617.5 million for PRX019)

BMS-986446 (PRX005)

Status: Phase 2 Ongoing

- □ \$562.5 million in potential regulatory and commercial milestones
- ☐ Tiered Royalties

BMS leading and funding further development and commercial

PRX019²

Status: Initiate Phase 1 by YE24

- □ \$242.5 million in potential development and regulatory milestones
- ☐ \$375 million in commercial milestones
- ☐ Tiered Royalties

Prothena to conduct Phase 1

¹ BMS = Bristol Myers Squibb collaboration following its acquisition of Celgene in November 2019; total of up to \$1.55 billion, including upfront payment and equity investment, future potential development, regulatory and commercial milestones, plus potential additional U.S. and global product sales royalties

² Future milestone and royalty payments would be reduced in the case where BMS is successful in developing a modified version of PRX019 that achieves certain specified improved metrics





Total Milestones

- ✓ Upfront, P1, P2 and P2b milestones
- ☐ Clinical, regulatory & first sale
- □U.S. sales milestones
- ☐ Ex-U.S. sales milestones
- U.S.
- U.S. co-promote
- Ex-U.S.



\$755 million

\$135 million¹

\$290 million

\$155 million

\$175 million

- Up to double digit teen royalties
- Ability to opt-in
- Up to double digit teen royalties

Roche

\$--

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- Leads clinical development
- Will lead commercialization
- Sole responsibility to develop and commercialize

First Patient Dosed in Phase 2b PADOVA Clinical Trial in May 2021; \$60 Million Milestone Earned From Roche