

argenx 

Welcome & Opening Remarks

Beth DeGiaco // Vice President, Corporate Communications & Investor Relations

Forward Looking Statements

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Certain statements contained in this presentation, other than present and historical facts and conditions independently verifiable at the date hereof, may constitute forward-looking statements. Certain statements contained in this presentation, other than present and historical facts and conditions independently verifiable at the date hereof, may constitute forward-looking statements. These forward-looking statements can be identified by the use of forward-looking terminology, including the terms “advance,” “broaden,” “build,” “develop,” “expand,” “grow,” “predict,” “potential,” “reach,” “start,” “seek,” “vision,” and “will,” and include statements argenx makes regarding the potential of its new pipeline candidates, including ARGX-213 and ARGX-121; future phases of ongoing product candidate development; the anticipated timing of argenx’s clinical trials, including the anticipated timing of the end of the Phase 2 ARDA clinical trial and the initiation of the Phase 3 clinical trial for empasiprubarb in MMN, the anticipated timing of the Phase 2 EMPACIFIC clinical trial, the anticipated timing of the analysis for the Phase 2 ALKIVIA clinical trial, the anticipated timing of the initiation of the Phase 3 clinical trial for efgartigimod in SjD, the anticipated timing of the initiation of the Phase 1b and Phase 2a clinical trials for ARGX-119 in CMS and ALS, respectively, the anticipated timing of the initiation of the Phase 1 clinical trial for ARGX-213, and the anticipated timing of the initiation of the Phase 1 clinical trial for ARGX-121; the timing and outcome of regulatory filings and regulatory approvals, including the anticipated timing of the clinical trial applications for ARGX-121 and ARGX-213; the number of patients that its products will reach in 2030; the size and growth of the market for its products, including the growing MG opportunity, the in-market opportunity when evaluating ocular and seronegative MG, and the MMN, SjD and TED opportunities; its future position as a market leader among branded biologics; its thought leadership in the scientific community; its trajectory to be a leading autoimmune franchise; the outcome and findings of its various studies, including the findings of the iMMersion clinical trial; its goals and visions for its future advancement, including its vision for 2025 and 2030; its capabilities to scale; and the number of its products and the number of indications those products will have. By their nature, forward-looking statements involve risks and uncertainties and readers are cautioned that any such forward-looking statements are not guarantees of future performance. argenx’s actual results may differ materially from those predicted by the forward-looking statements as a result of various important factors, including the results of argenx’s clinical trials; expectations regarding the inherent uncertainties associated with the development of novel drug therapies; preclinical and clinical trial and product development activities and regulatory approval requirements in products and product candidates; the acceptance of argenx’s products and product candidates by patients as safe, effective and cost-effective; the impact of governmental laws and regulations on our business; disruptions caused on our reliance of third parties suppliers, service providers and manufacturing; inflation and deflation and the corresponding fluctuations in interest rates; and regional instability and conflicts. A further list and description of these risks, uncertainties and other risks can be found in argenx’s U.S. Securities and Exchange Commission (the “SEC”) filings and reports, including in argenx’s most recent annual report on Form 20-F filed with the SEC as well as subsequent filings and reports filed by argenx with the SEC. Given these uncertainties, the reader is advised not to place any undue reliance on such forward-looking statements. These forward-looking statements speak only as of the date of publication of this document. argenx undertakes no obligation to publicly update or revise the information in this presentation, including any forward-looking statements, except as may be required by law.

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Agenda

Welcome and Opening Remarks	Beth DelGiacco
argenx Vision 2030	Tim Van Hauwermeiren
Immunology Innovation	.....	Peter Ulrichs, Karen Silence
Clinical Development	.....	Luc Truyen
Myositis	.....	Leentje De Ceuninck
Sjögren's Disease	.....	Julie Jacobs
Sjögren's Disease KOL Panel	.....	Julie Jacobs, Prof. Simon Bowman (Moderated by Luc Truyen)
Q&A Session 1	.....	argenx Management Team
BREAK		
Phase 2 ARDA Study (MMN)	.....	Inge Van de Walle, Jeff Guptill
MMN KOL Panel	.....	Dr. Patrick Kwon, Jeff Guptill (Moderated by Luc Truyen)
Sustainable Commercial Engine	.....	Karen Massey
Q&A Session 2	.....	argenx Management Team

argenx Leadership Here Today



Tim Van Hauwermeiren
Chief Executive Officer



Karen Silence Ph.D.
Head Preclinical Product
Development



Beth DeGiaccio
Vice President, Corporate
Communications Investor Relations



Luc Truyen M.D., Ph.D.
Chief Medical Officer



Peter Ulrichs Ph.D.
Chief Scientific Officer



Karen Massey
Chief Operating Officer



Leentje DeCeuninck Ph.D.
Senior Clinical Scientist



Jeff Guptill, M.D.
Neuromuscular Franchise Lead,
Clinical Development



Julie Jacobs Ph.D.
Principal Scientist



Inge Van de Walle Ph.D.
Research Fellow



Thought Leaders Here Today



Simon Bowman, Ph.D., M.B.B.S., F.R.C.P.

Institute of Inflammation and Ageing,
University of Birmingham



Patrick Kwon, M.D.

Clinical Associate Professor, Neurology,
New York University Grossman School of Medicine



Key Themes For Today

Our innovation model

Leadership in FcRn

Expansion of our immunology pipeline

Setting a new standard in MG and CIDP

Next wave of efgartigimod indications

Building weight behind empasiprubart

Vision 2030 - path to 50,000 patients

Vision 2030

Tim Van Hauwermeiren /// Chief Executive Officer

Vision 2030

5

New Molecules
in Phase 3

10

Labeled
Indications

50k

Patients on
Treatment

COMMITMENT TO OUR TRANSFORMATION MISSION

Continuous Pipeline of
Innovation

Leadership in FcRn

Disciplined Scaling

Est. 2008
argenx

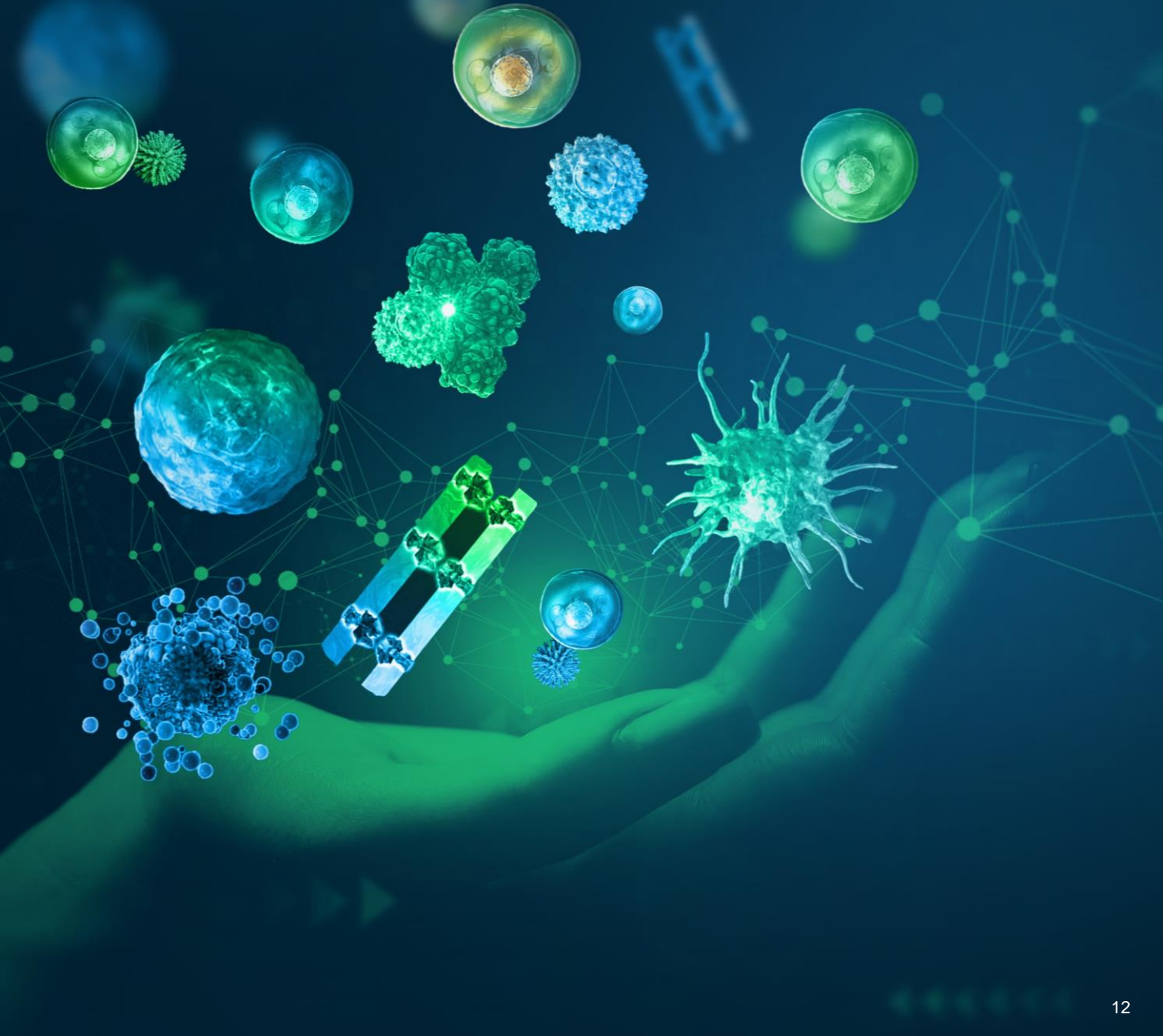


Entrepreneurial spirit –
calculated risk based on data

Immunology innovation through
model of **co-creation**

Execution excellence

Our Understanding of Human Immunology is Growing Exponentially



Our Innovation Playbook

**Novel Disease
Biology Insights**

**Foundational
Immune
Targets**

**Best-in-Field
Antibody
Engineering**

**First-in-Class
Antibodies**

**Pipeline-in-
a-Product
Development**

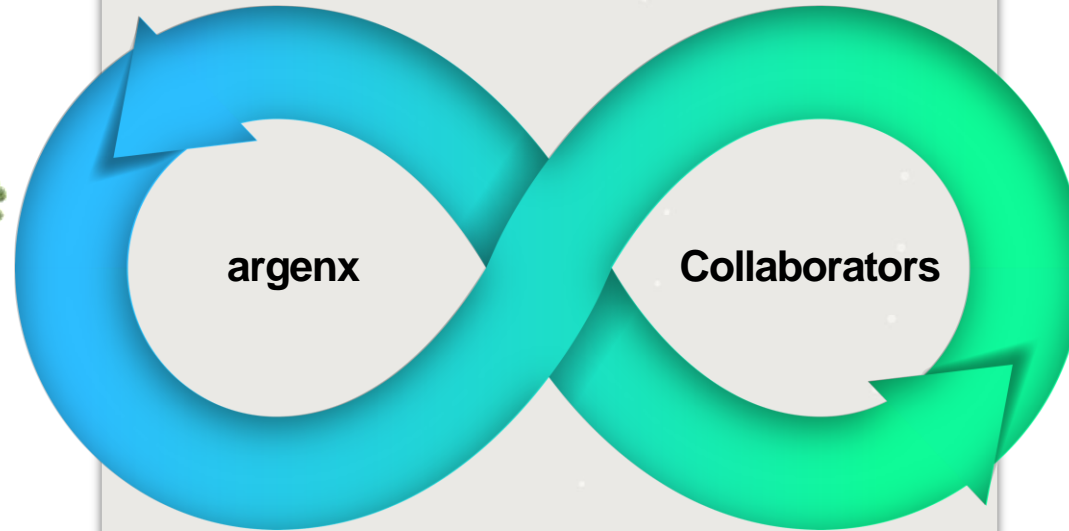
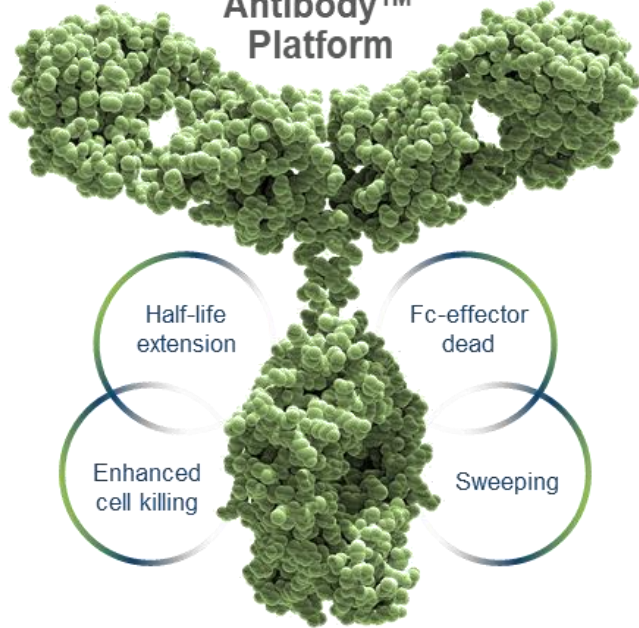
**Differentiated
Patient
Outcomes**

Co-Creation is Our Innovation Formula

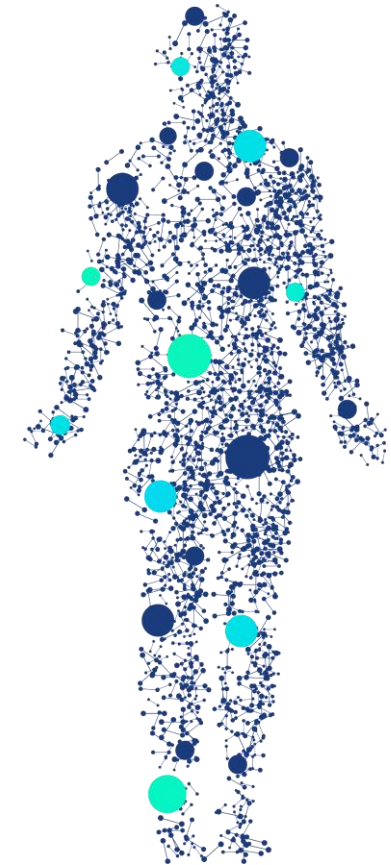
WORLD CLASS ANTIBODY ENGINEERING CAPABILITY

V-REGION CAPABILITIES

SIMPLE
Antibody™
Platform



DISEASE BIOLOGY INSIGHTS



IL6

CD70

FcRn

GARP

Galectin-10

MuSK

CMET

IL22R

ApoC3

C2

IgA

'ARGX-220'

Our Innovation Model Has a Strong Track Record

8/12 demonstrated
human POC

9 first-in-class targets

5 partnered

Broad applicability
across 35+ indications

Innovation Through Co-Creation Exists Across argenx

DISCOVERY



A collection of logos for academic and research institutions involved in the discovery phase. The logos include: iip Immunology Innovation Program, THE UNIVERSITY of EDINBURGH, NYU, LUMC, Inserm, Sanquin, UHASSELT, de Duve Institute (Advancing knowledge, transforming health care), Amsterdam UMC, Massachusetts General Hospital (Founding Member, Mass General Brigham), UMC Utrecht, AARHUS UNIVERSITY, and UT Southwestern Medical Center.

DEVELOPMENT



A collection of logos for companies and research groups involved in the development phase. The logos include: elektrofi, IQVIA, zaiLab™, adapt myasthenia gravis study, arda Multifocal Motor Neuropathy Study, Halozyme, adapt^{BC} myasthenia gravis study, adhere chronic inflammatory demyelinating polyneuropathy study, and alkivia Idiopathic Inflammatory Myopathy Study.

COMMERCIAL



A collection of logos for commercial partners and products. The logos include: MG United by argenx, SHINING THROUGH CIDP, VYVGART® Hytrulo (efgartigimod alfa and hyaluronidase-qvfc) Subcutaneous Injection 180 mg/mL and 2000 U/mL, vial, and My VYVGART® Path.

Successful Execution of Our Vision 2025

Growing autoimmune market

Efgartigimod available globally

Vibrant franchises

Efgartigimod in development in 15 indications

ARGX-117 in late-stage trials

Proof-of-concept in ARGX-119

New asset each year from IIP

Committed to our Patients and their Communities

Enviably Immunity Pipeline

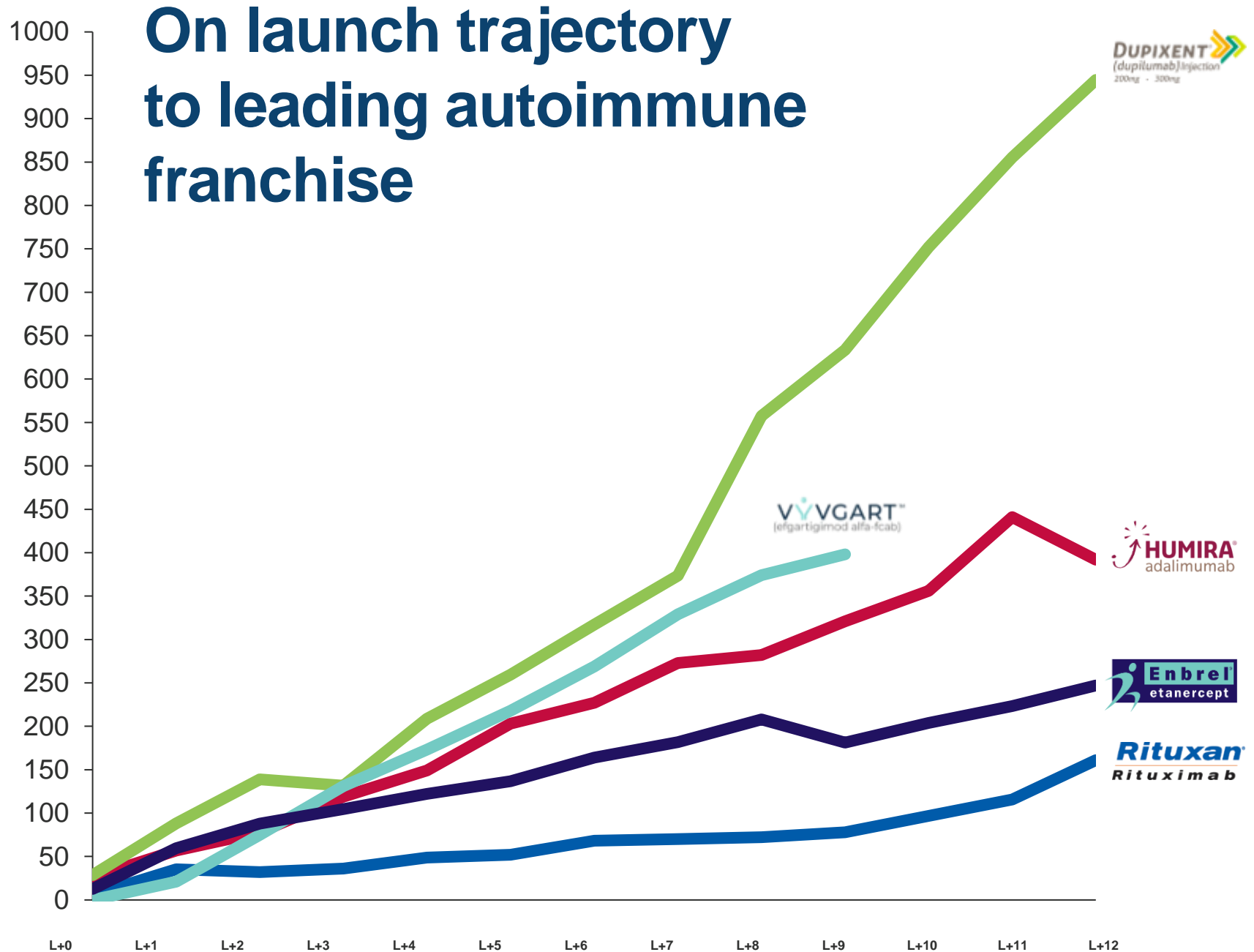
Rooted in Science through our IIP

VYVGART is a Global Blockbuster

VYVGART generated >\$1B
in second year of launch

Approved in 3
indications globally

Leading market share among
MG branded biologics



Robust Pipeline of Multi-Indication Assets

Efgartigimod in 15 indications

Empasiprubarb in 4 indications

ARGX-119 in CMS and ALS

4 new INDs by end of 2025

Program	Indication	Preclinical	Phase 1	Proof of Concept	Registrational	Commercial	
VYVGART [®] VYVGART [®] Hytrulo	Generalized Myasthenia Gravis (gMG)	[Progress bar]					
	Immune Thrombocytopenia (ITP)	[Progress bar]					
	Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)	[Progress bar]					
Efgartigimod	Seronegative gMG	[Progress bar]					
	Ocular Myasthenia Gravis (oMG)	[Progress bar]					
	Thyroid Eye Disease	[Progress bar]					
	Bullous Pemphigoid	[Progress bar]					
	Myositis (IMNM, ASyS, DM)	[Progress bar]					
	Sjogren's Syndrome	[Progress bar]					
	Membranous Nephropathy	[Progress bar]					
	Lupus Nephropathy	[Progress bar]					
	Systemic Sclerosis	[Progress bar]					
	Antibody Mediated Rejection	[Progress bar]					
	Empasiprubarb	Multifocal Motor Neuropathy	[Progress bar]				
		Delayed Graft Function After Kidney Transplant	[Progress bar]				
		Dermatomyositis	[Progress bar]				
		CIDP	[Progress bar]				
	ARGX-119	Congenital Myasthenic Syndrome	[Progress bar]				
Amyotrophic Lateral Sclerosis		[Progress bar]					
NOT DISCLOSED		[Progress bar]					
ARGX-109, ARGX-121 ARGX-213, ARGX-220	NOT DISCLOSED	[Progress bar]					

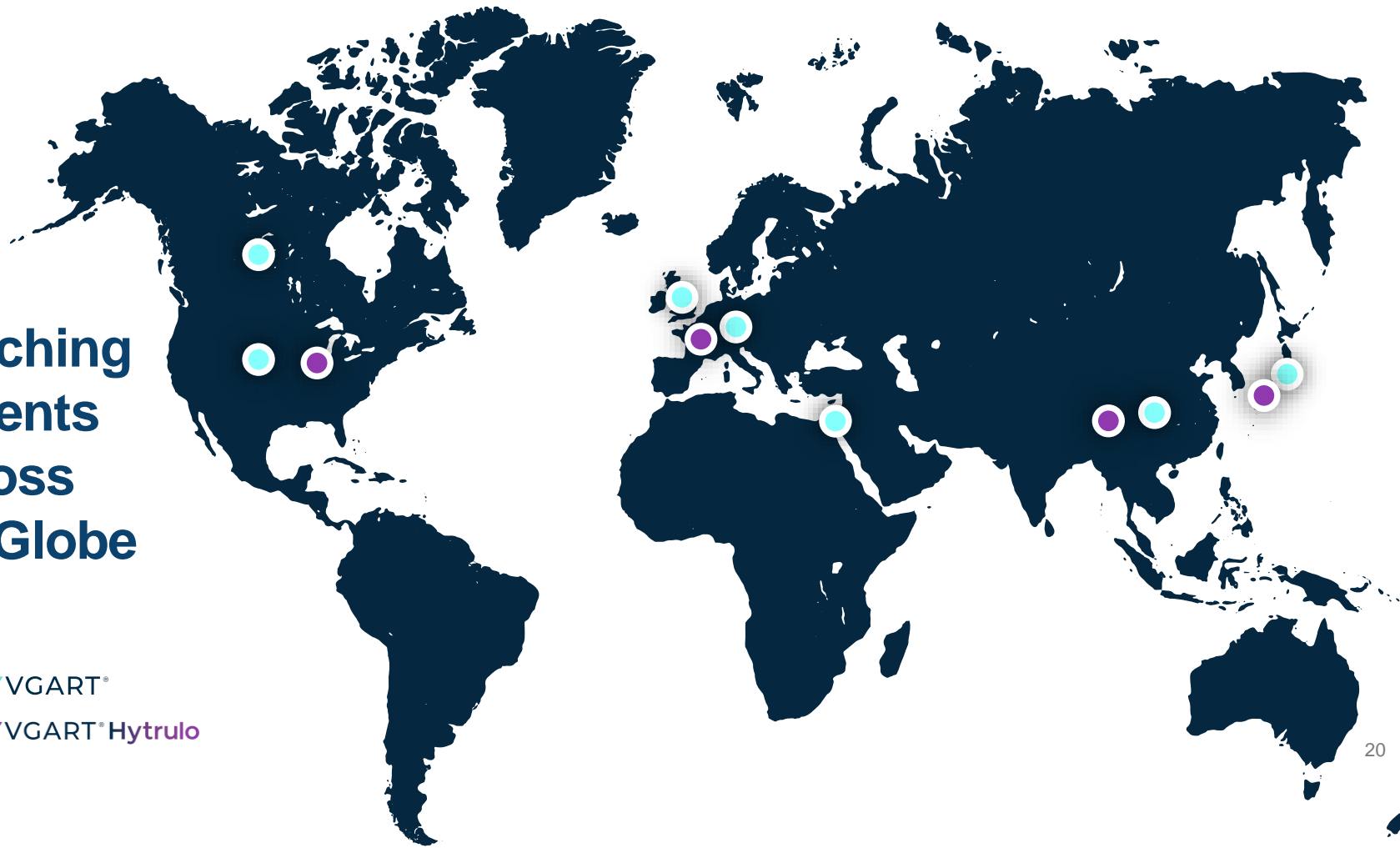
Reaching Patients Globally with VYVGART Franchise

>10,000 patients on treatment¹

VYVGART and VYVGART Hytrulo² approved across 3 continents within one calendar year

Reaching Patients Across the Globe

-  VYVGART®
-  VYVGART® Hytrulo



1. Patients on treatment globally as of 1Q 2024
2. VYVGART Hytrulo is marketed as VYVGART-SC in Europe and VYVDURA® in Japan

Staying True to our Scientific Roots

Robust patent portfolio

From IIP to marketplace, science is our common language

Advanced our scientific expertise with peer reviewed publications in top medical journals



nature
International weekly journal of science



THE LANCET
Neurology



Neurology®



frontiers
in Immunology

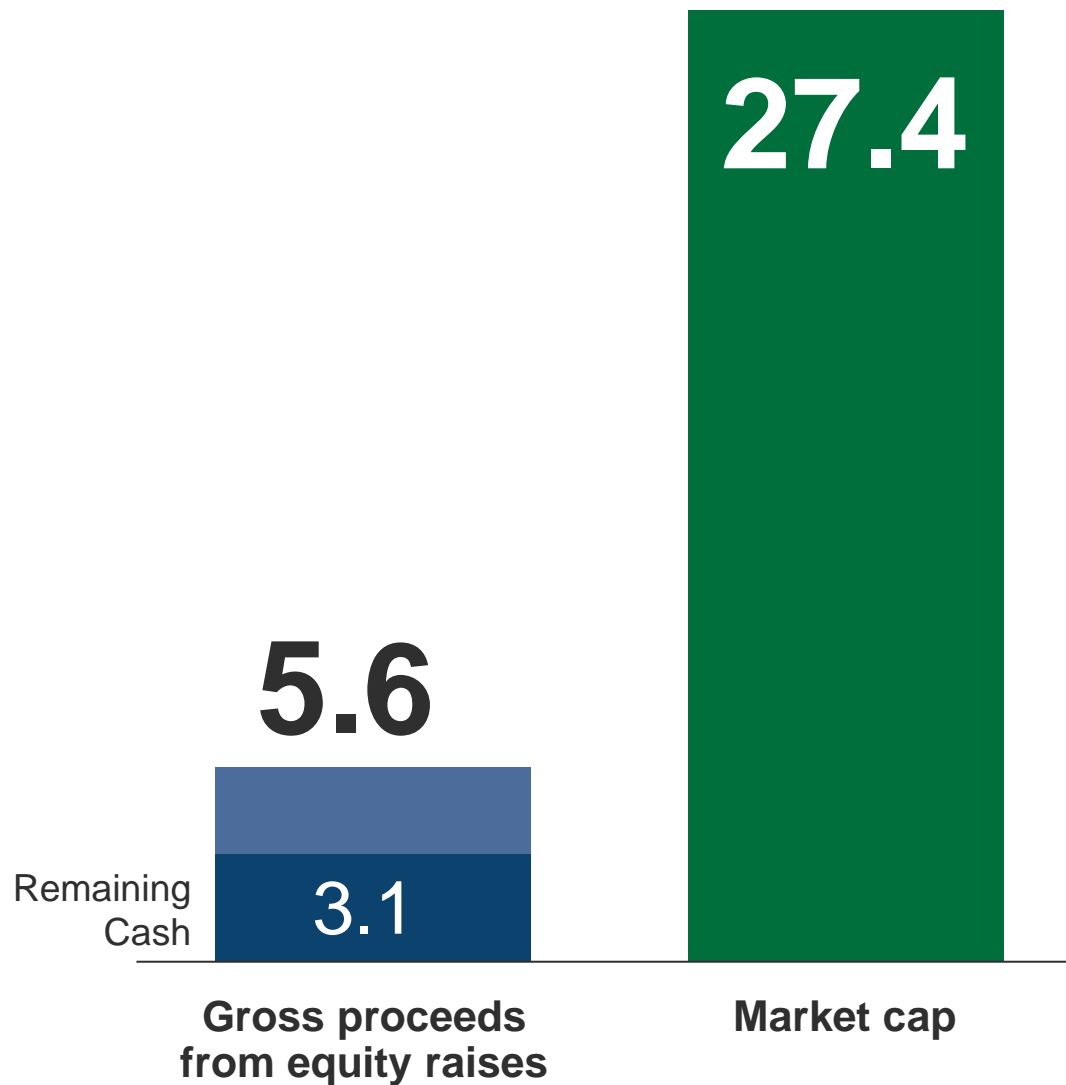
Creating Superior Shareholder Value on our Path to Self-Sustainability

Rapid transition to sustainable company

Disciplined scaling

Total Shareholder Return since IPO in 2014

\$B



argenx TSR
~5,000%

Vision 2030

5

New Molecules
in Phase 3

10

Labeled
Indications

50k

Patients on
Treatment

COMMITMENT TO OUR TRANSFORMATION MISSION

Continuous Pipeline of
Innovation

Leadership in FcRn

Disciplined Scaling

Our Horizons

5

Additional
Molecules
in Phase 3

ARGX-213
(Anti-FcRn)

ARGX-109
(Anti-IL-6)

ARGX-121
(Anti-IgA)

ARGX-220

ARGX-XXX

New Molecule

New Molecule

New Molecule



EARLY PIPELINE

LATE PIPELINE

10

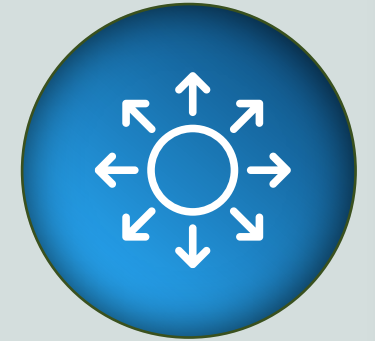
Labeled Indications

In-Market Expansion



- gMG ✓
- ITP ✓
- CIDP ✓
- Sn MG
- Ocular MG

Next Wave of Potential Launches



- TED
- SjD
- Myositis [3]
- CMS (119)
- BP
- DM (empa)
- MMN (empa)
- CIDP (empa)

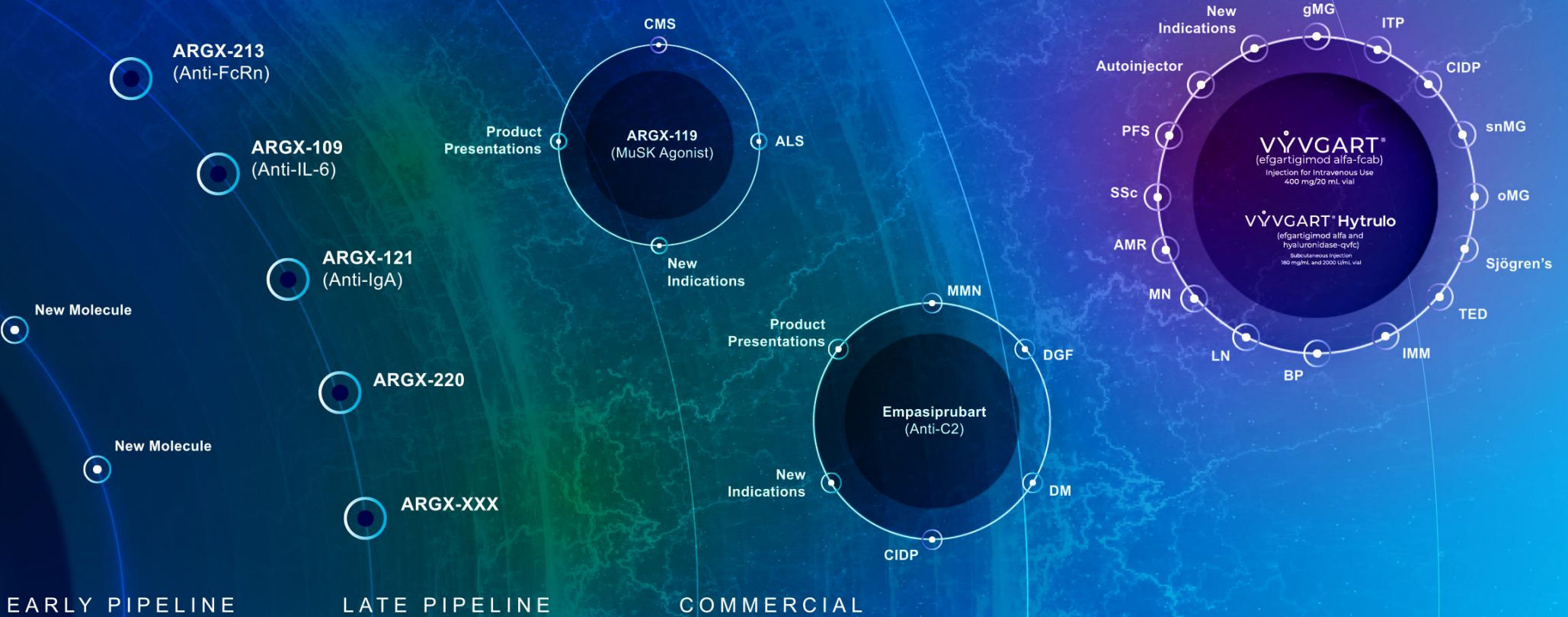
✓ Currently approved indications ● VYVGART ● Empasiprubart ● ARGX-119



Innovation has no
meaning unless it
reaches patients and
provides real benefit

argenix

Our Horizons



Blueprint for Innovation Next Wave of First-in-Class Immunology Targets

Peter Ulrichs /// Chief Scientific Officer

Immunology Innovation Program: Model of Co-Creation

ARGX-113

Efgartigimod

Foundational Immune Targets

ARGX-117

Empasiprubart

First-in-Class Antibodies

ARGX-119

Differentiated Patient Outcomes

ARGX-117

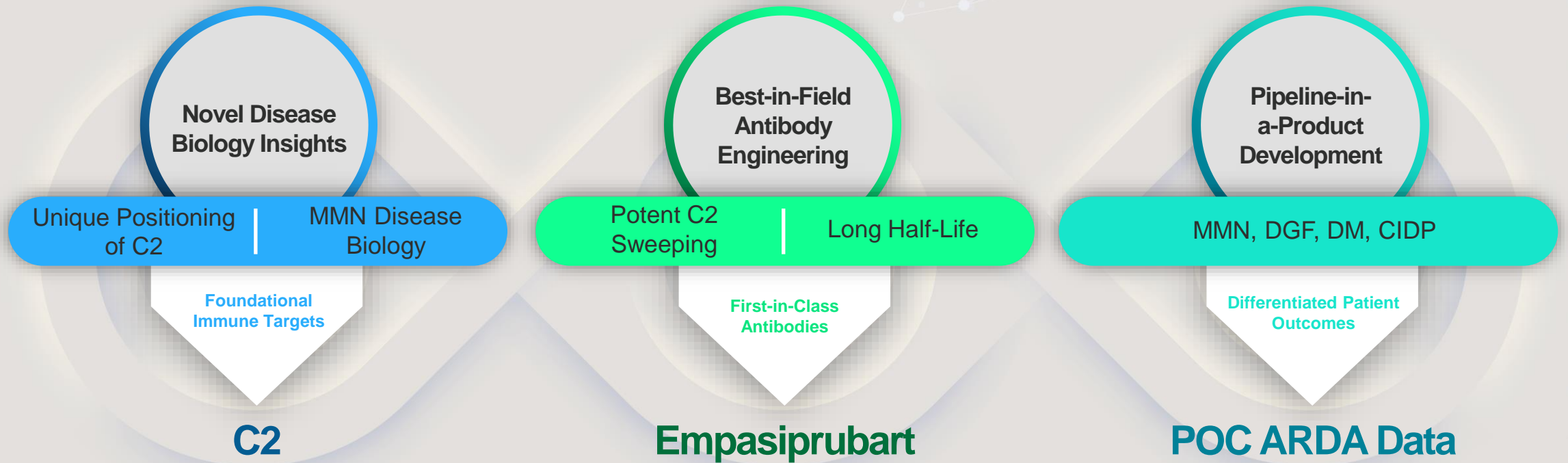
Unraveling Central Role of C2 in Complement Cascade

Novel Disease
Biology Insights

Best-in-Field
Antibody
Engineering

Pipeline-in-
a-Product
Development

Unraveling Central Role of C2 in Complement Cascade



Unique complement toolkit

C2-KO and human C2-transgenic mice

>30 complement assays in house across different species

Various species cross-reactive anti-C2 mAbs for translational models

EMPASIPRUBART
INNOVATION
ECOSYSTEM

Extensive network of experts



University of Glasgow

Cedars Sinai



UMC Utrecht

AARHUS UNIVERSITY



KU LEUVEN

Leids Universitair Medisch Centrum

UNIVERSITY OF LEICESTER

VIB

Advancing science

JACI The Journal of Allergy and Clinical Immunology

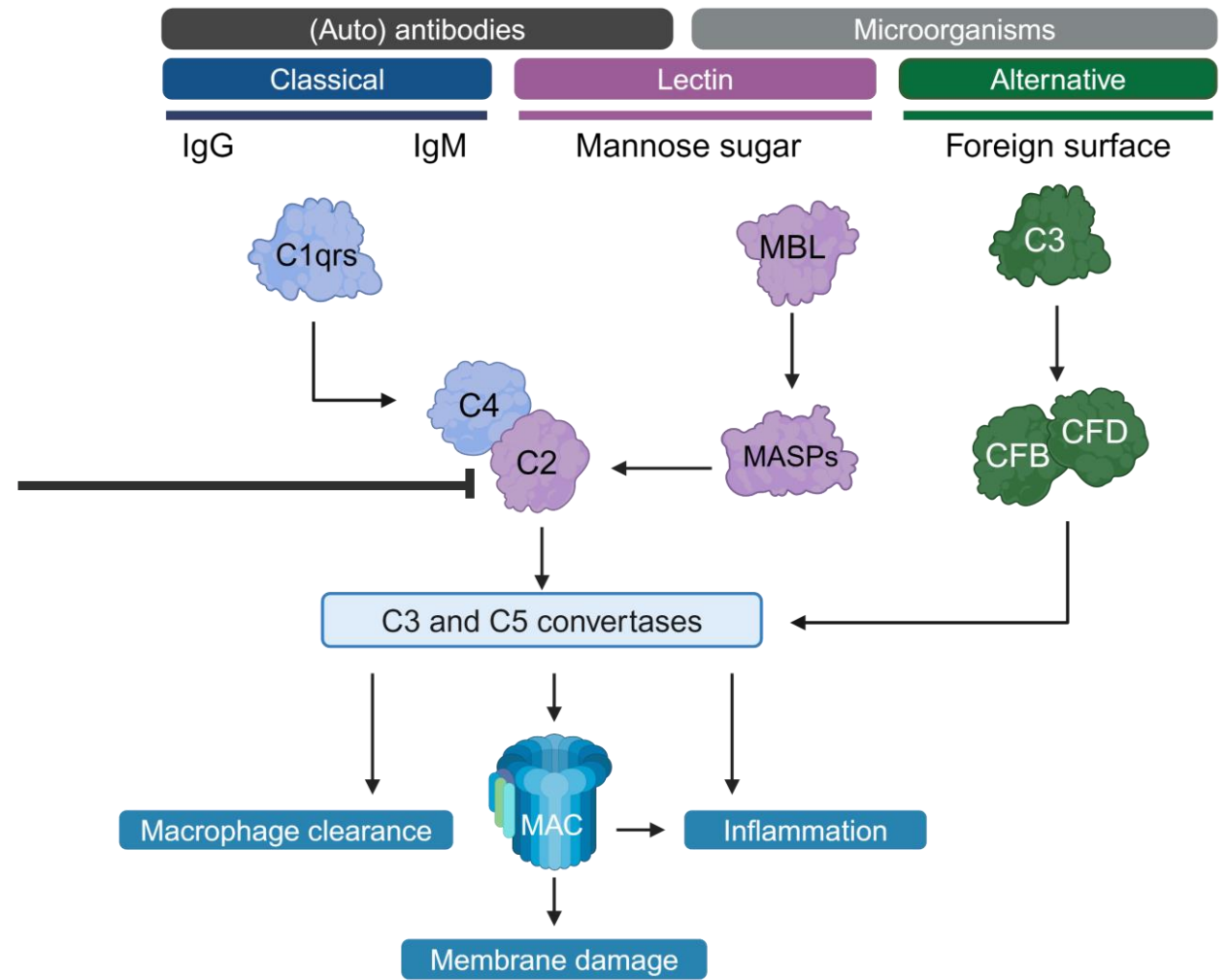
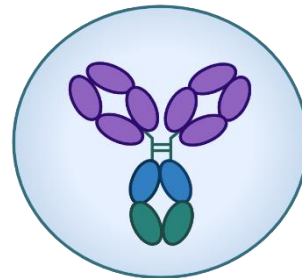
BRAIN COMMUNICATIONS

AMERICAN ACADEMY OF NEUROLOGY

Empasiprubart in Action

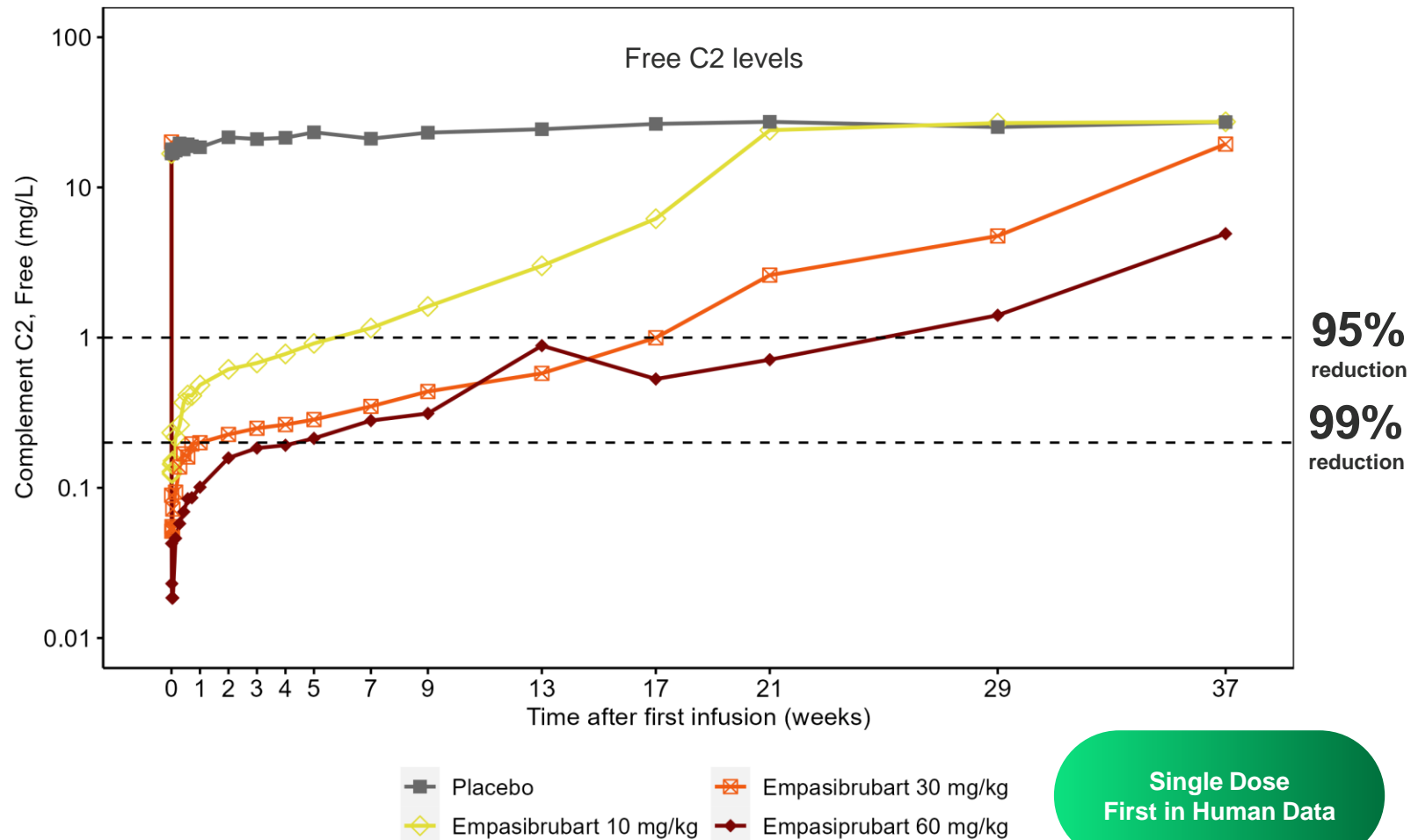
C2 is Uniquely Positioned in Complement Cascade

Empasiprubart



Sustained reduction in free C2 levels by 95% for > 100 days as of 30 mg/kg dose

Empasiprubart Demonstrates Long Half-life and Sustained Pharmacodynamic Effect



ARGX-119

Strengthening the Neuromuscular Junction through MuSK Activation

Novel Disease
Biology Insights

Best-in-Field
Antibody
Engineering

Pipeline-in-
a-Product
Development

Strengthening the Neuromuscular Junction through MuSK Activation



Unique MuSK toolkit

MuSK phosphorylation assays



AChR clustering assays



Various binding assays



Human in vitro ALS NMJ
co-cultures



Various in vivo neuromuscular disease
models including DOK7 CMS mice

ARGX-119

INNOVATION
ECOSYSTEM

Extensive network of experts



Leids Universitair
Medisch Centrum



UNIVERSITY OF
OXFORD



The highway towards a cure



MASSACHUSETTS
GENERAL HOSPITAL



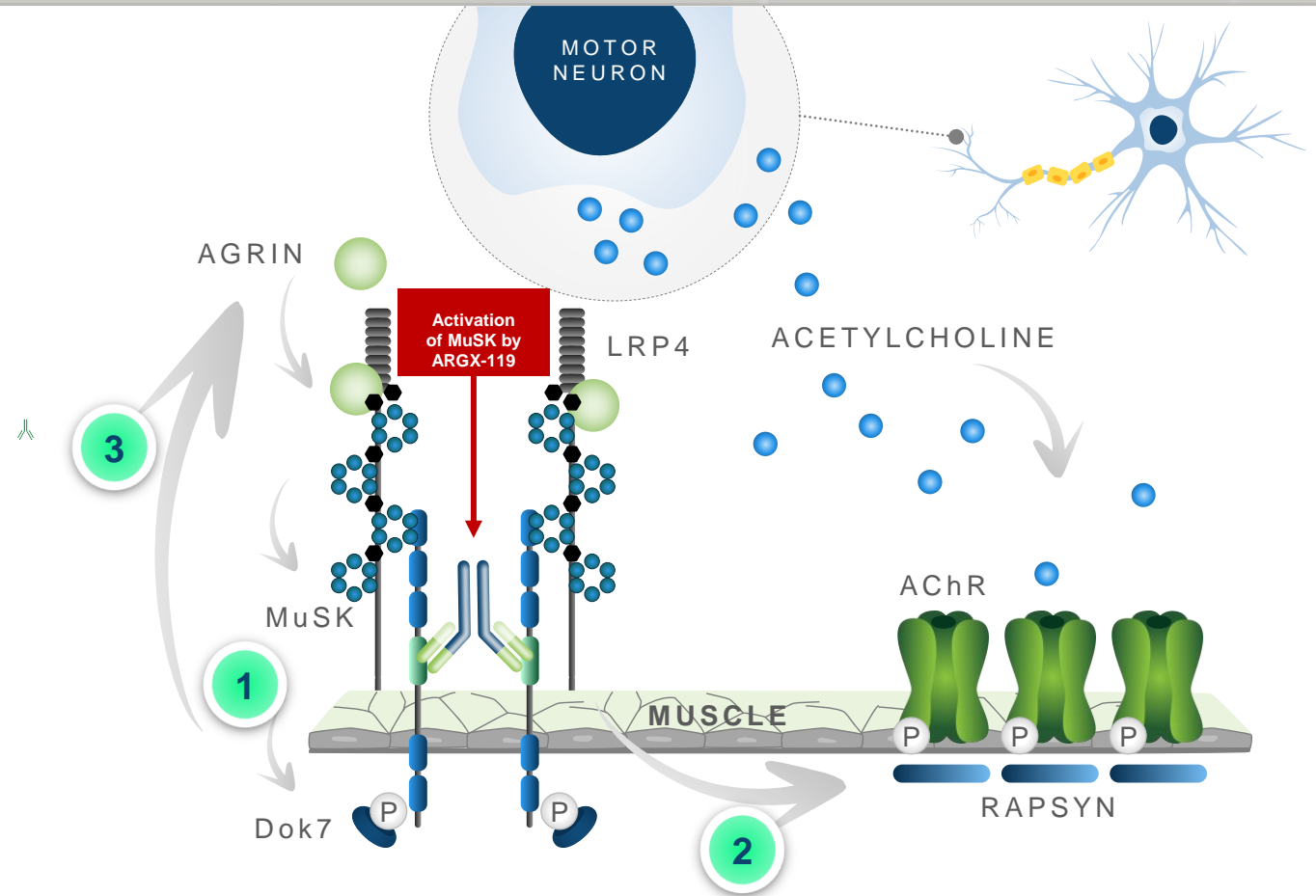
Advancing science

nature

Science
Translational
Medicine

ARGX-119 Boosts Functioning of NMJs by Improving AChR Clustering

- 1 MuSK phosphorylates downstream signaling components
- 2 MuSK-induced clustering of AChRs and muscle contraction upon Acetylcholine binding
- 3 Retrograde/signal to stimulate presynaptic differentiation

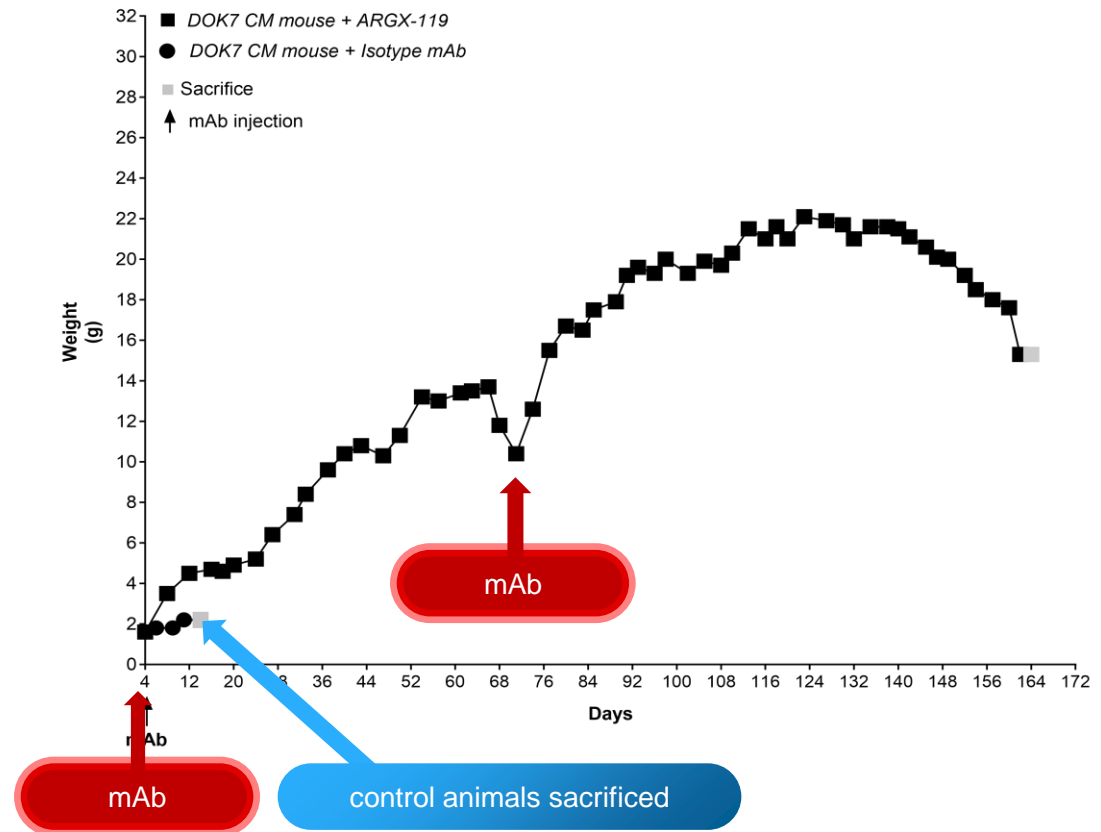


CMS Rationale: Early Neonatal Lethality and Disease Relapse are Rescued by ARGX-119 in DOK7 CMS mice

1 Diminished MuSK phosphorylation in DOK7 CMS

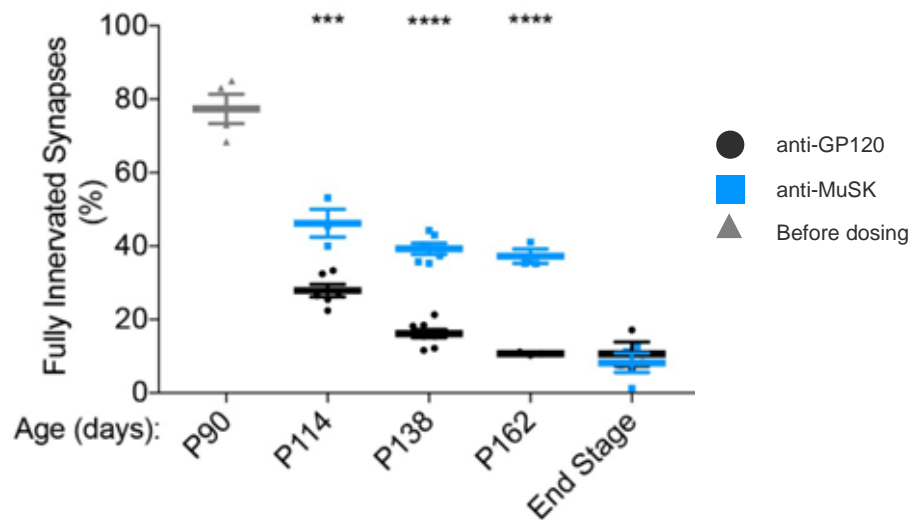
2 Leads to lethal weakness of diaphragm muscles

3 MuSK activation by ARGX-119 rescues phenotype

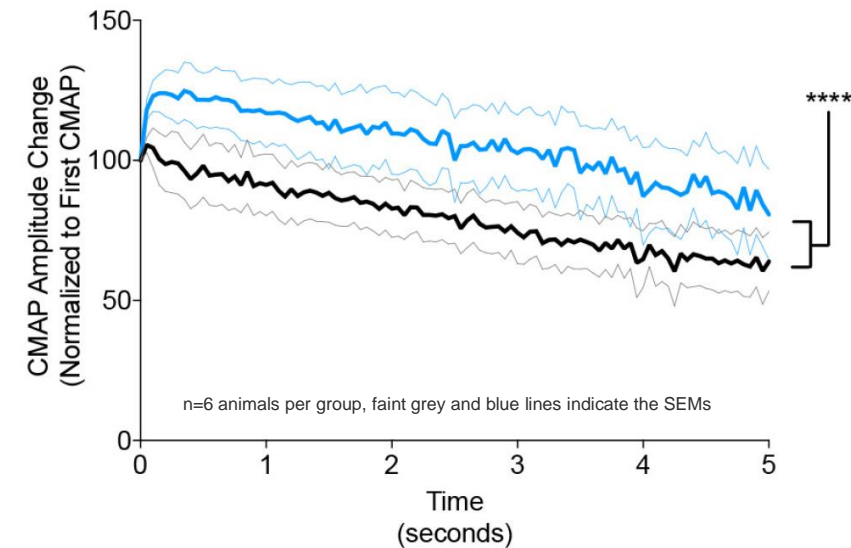


ALS Rationale: Activation of MuSK Signaling Slows Muscle Denervation and Improves Motor Function

Slowdown of muscle denervation



Improving motor system output



In vivo model show: Delayed disease onset | Improvement in survival

Path Forward for ARGX-119

CMS

**Phase 1b
to start in 4Q24**

**Proof of Biology
Intra-Patient Dosing**

ALS

**Phase 2a reALiSe
to start in 4Q24**

Innovation Within Discovery
MScan
(MScan-derived Motor Unit Number)

NATURAL HISTORY STUDY ONGOING

ARGX-113

Leadership in FcRn

**Novel Disease
Biology Insights**

**Best-in-Field
Antibody
Engineering**

**Pipeline-in-
a-Product
Development**

Leadership in FcRn



Unique FcRn toolkit

Differentiating binding assays

Predictive cellular assays

Expert structural biology

Innovative hFcRn/hAlbumin transgenic mouse models

EFGARTIGIMOD

**INNOVATION
ECOSYSTEM**

Extensive network of experts

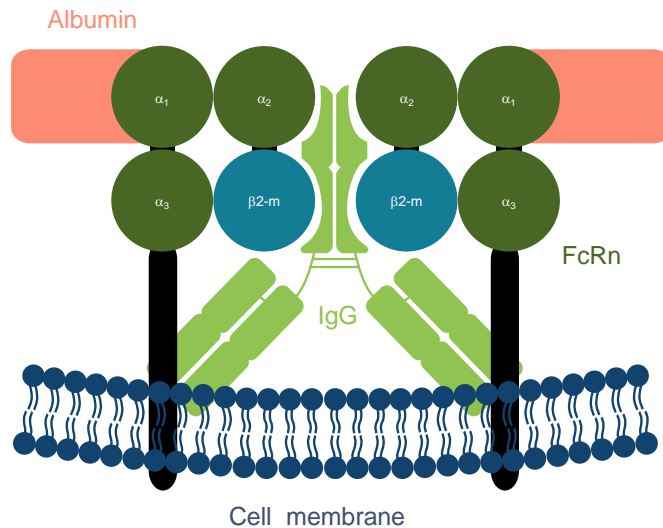


Advancing Science

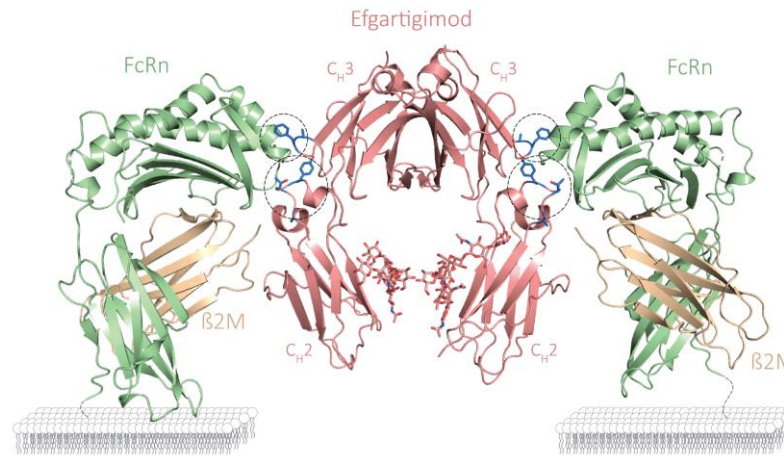


Efgartigimod Binds to FcRn in Same Formation as Endogenous IgG

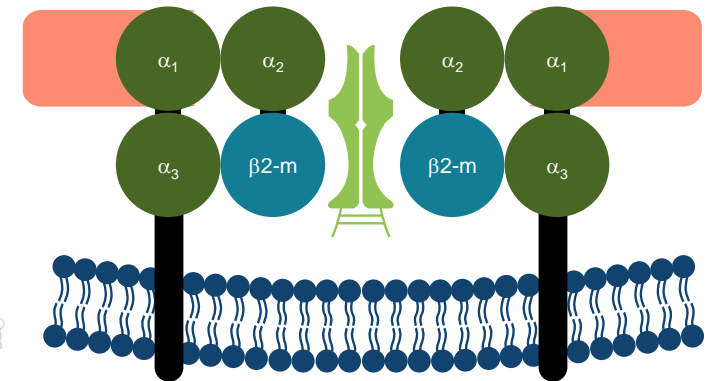
Endogenous IgG interaction



Efgartigimod



Efgartigimod interaction

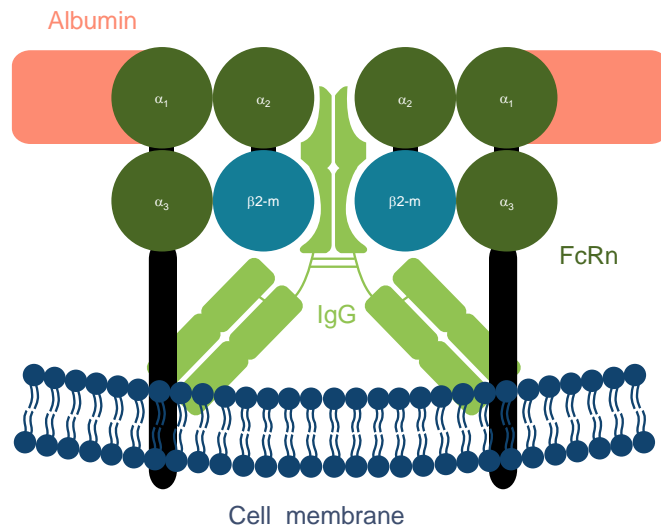


FcRn, neonatal Fc receptor; IgG, immunoglobulin G.

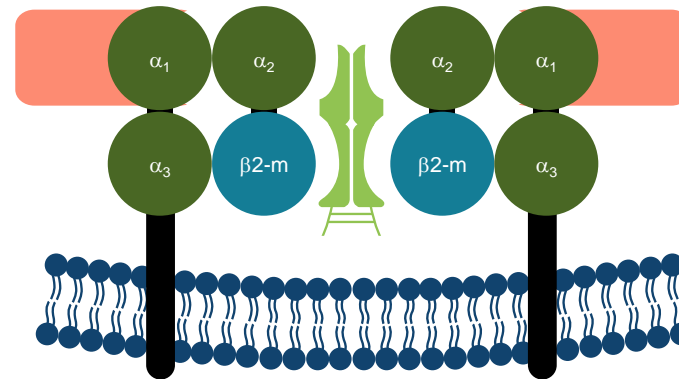
1. Ulrichs P, et al. J Clin Invest. 2018;128:4372–4386;
2. Howard JF Jr, et al. Lancet Neurol. 2021;20:526–536;
3. VYVGART SmPC. Available at https://www.ema.europa.eu/en/documents/product-information/vyvgart-epar-product-information_en.pdf;
4. Knudsen Sand KM, et al. Front Immunol. 2015;5:1–21;
5. Ward ES, et al. Front Immunol. 2022;13:892534;

Efgartigimod is Unique Among FcRn Antagonists in How it Binds

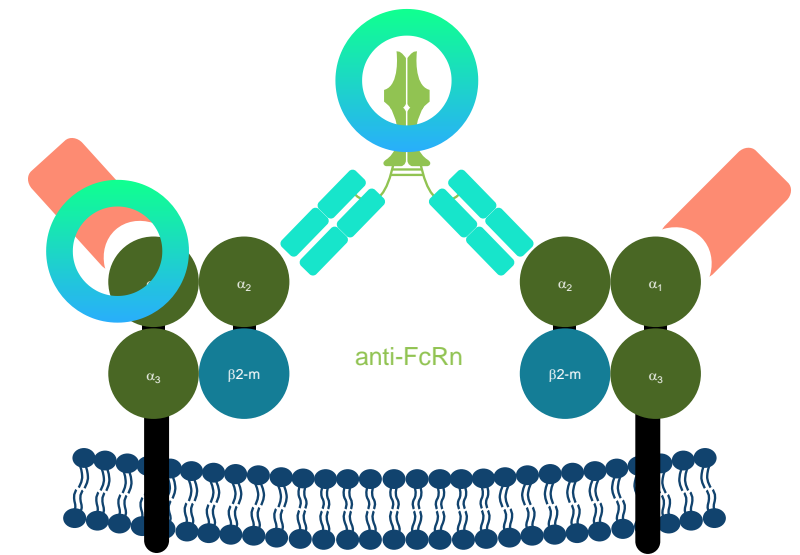
Endogenous IgG



Efgartigimod



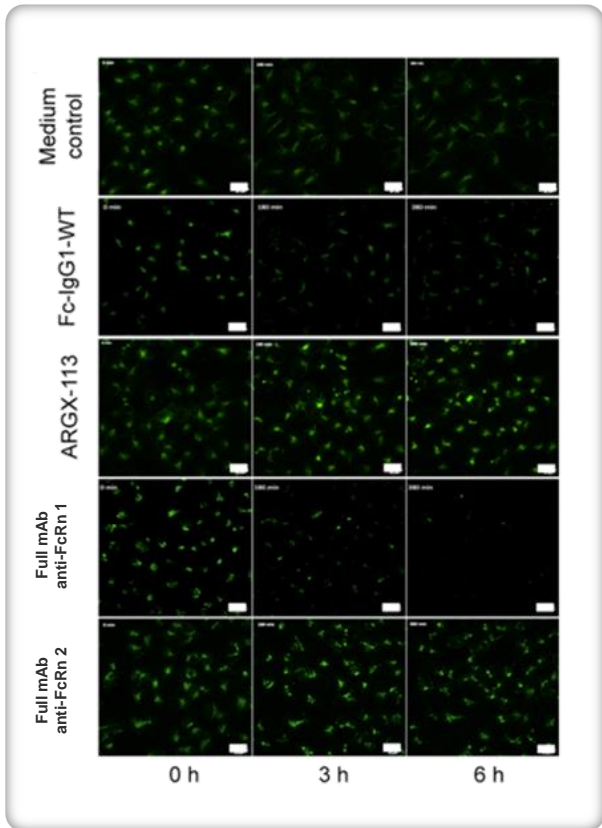
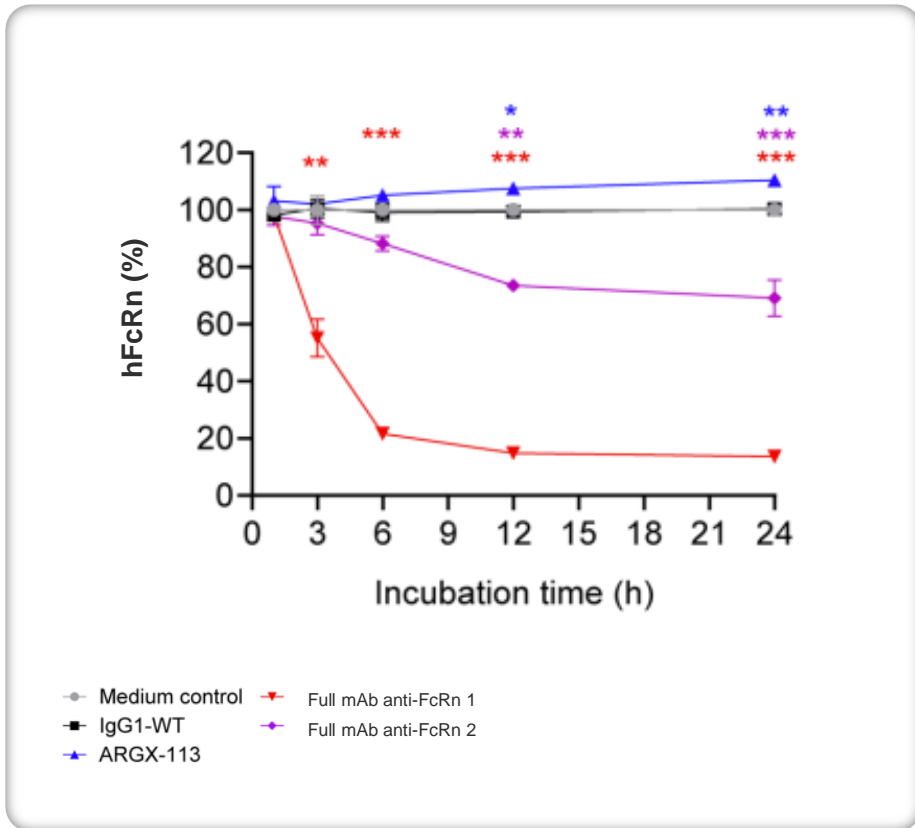
Full-length monoclonal anti-FcRn antibodies



FcRn, neonatal Fc receptor; IgG, immunoglobulin G.

1. Ulrichs P, et al. J Clin Invest. 2018;128:4372-4386; 2. Howard JF Jr, et al. Lancet Neurol. 2021;20:526-536; 3. VYVGART SmPC. Available at https://www.ema.europa.eu/en/documents/product-information/vyvgart-epar-product-information_en.pdf; 4. Knudsen Sand KM, et al. Front Immunol. 2015;5:1-21; 5. Ward ES, et al. Front Immunol. 2022;13:892534;

Unique Binding of Efgartigimod Leads to Differentiated Intracellular FcRn Trafficking

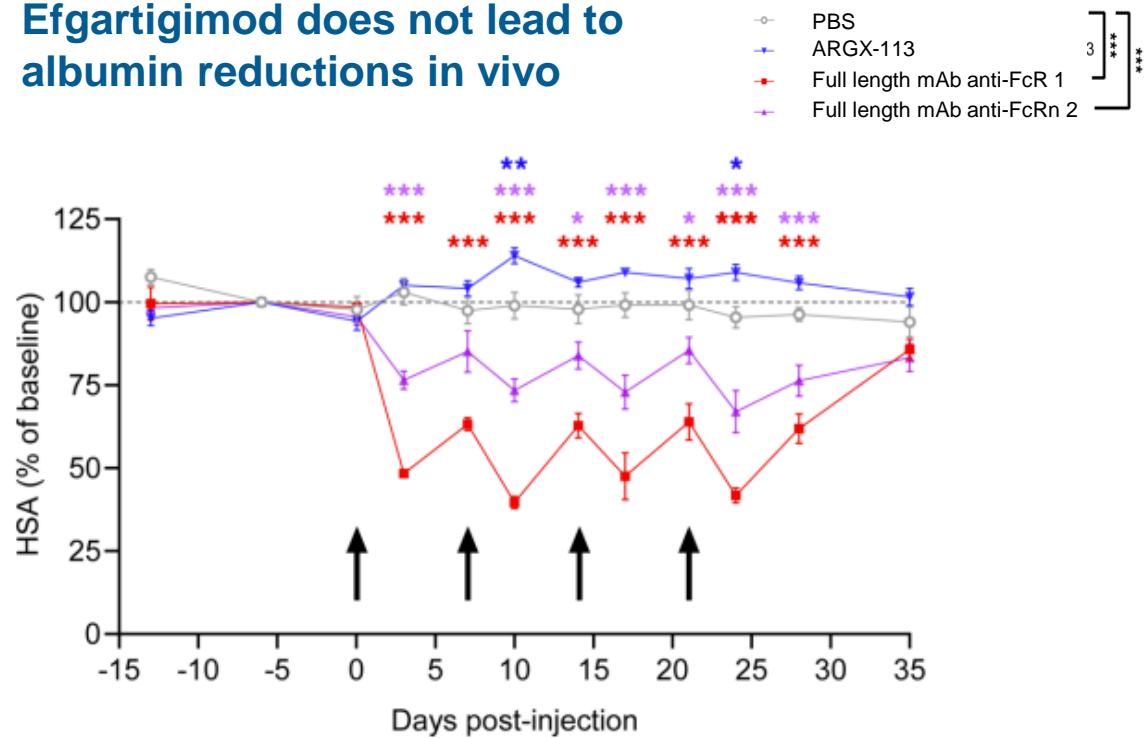


No interference of efgartigimod with albumin binding and recycling

No degradation of FcRn induced by efgartigimod

Unique Binding of Efgartigimod Positively Impacts in vivo Albumin Levels and Safety Profile

Efgartigimod does not lead to albumin reductions in vivo



Efgartigimod treatment results in a favorable safety profile in the clinic

No albumin reduction

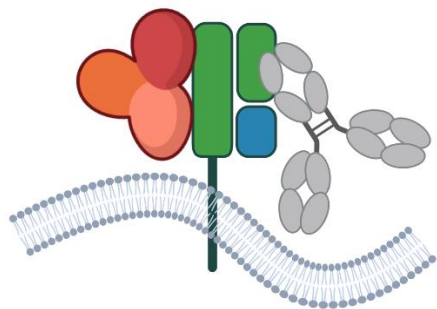
No edema, hyperlipidemia or muscle cramps

No aseptic meningitis

No clearance by anti-drug antibodies

Evolution of a Novel Target to a Novel Platform

FcRn



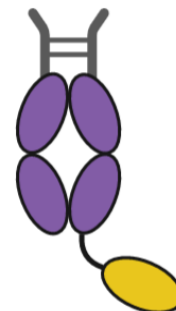
Novel Target

Efgartigimod



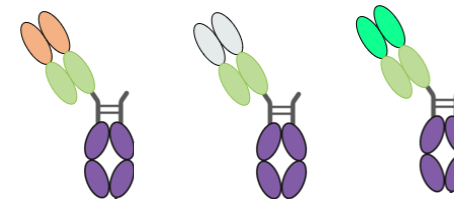
Pipeline
in-a-Product

ARGX-213



Next Antagonist in
FcRn Portfolio

ARGX-121 | ARGX-XXX



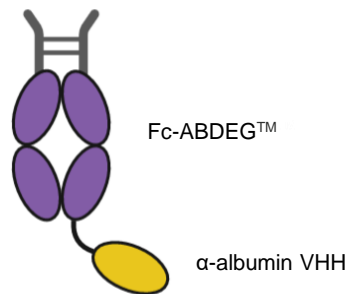
Sweeping
Antibody Platform

Next Wave of First-in-class Immunology Targets

Karen Silence /// Preclinical Product Development

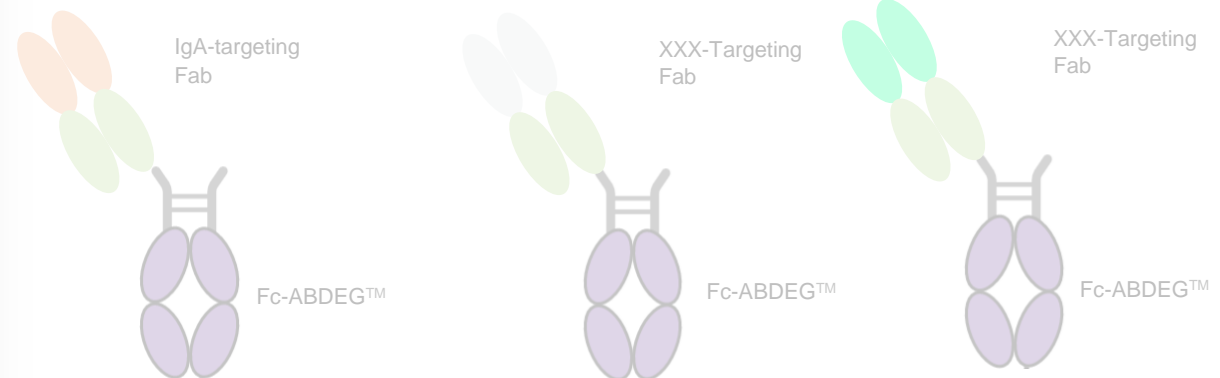
Deep Knowledge of FcRn Biology Builds New Pipeline Candidates

Leverage Albumin to Broaden FcRn Targeting Portfolio



ARGX-213

Leveraging Efgartigimod Backbone to Build New Class of Highly Potent Sweeping Molecules

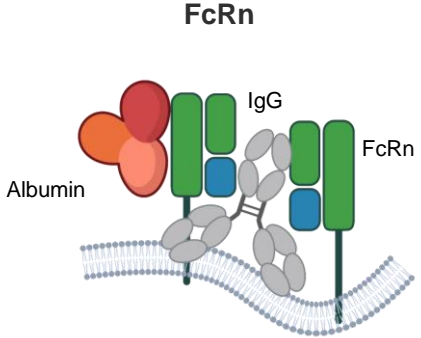


ARGX-121

ARGX-XXX

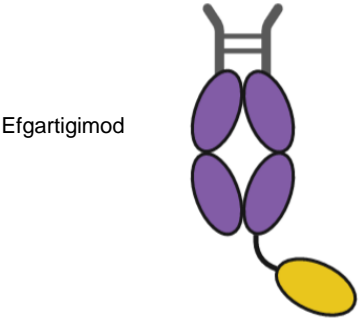
ARGX-XXX

Improving Pharmacokinetics of Efgartigimod Through Binding to Serum Albumin

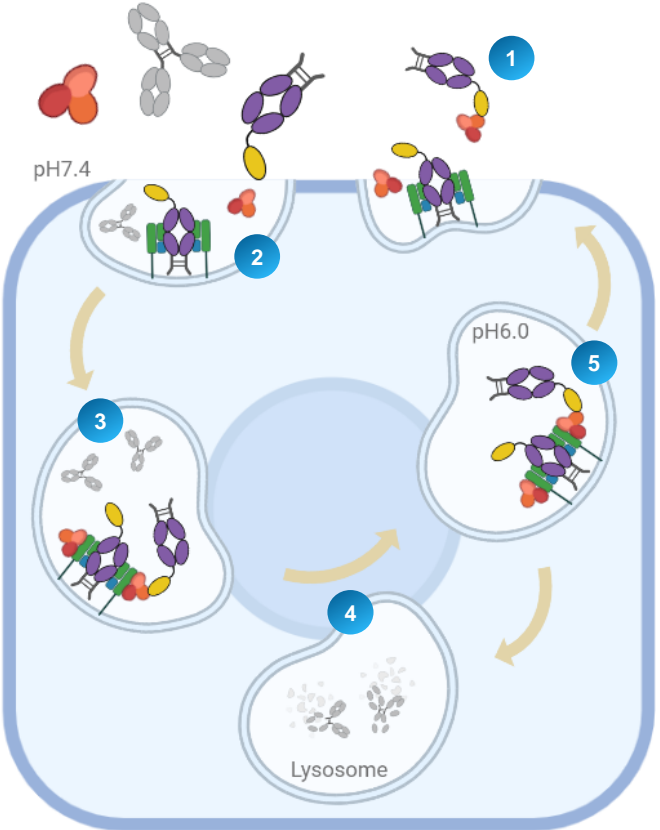


Albumin and IgG recycle via different binding sites

ARGX-213

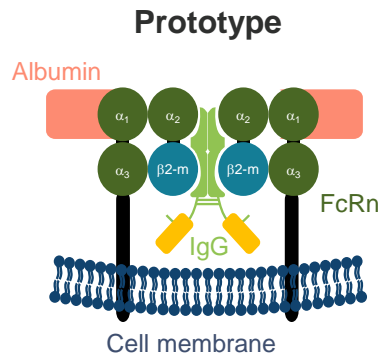


α -albumin VHH

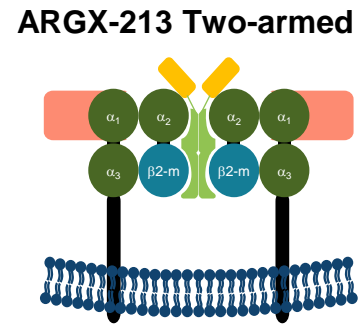
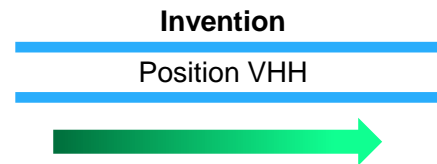


- 1 ARGX-213 adopts long albumin half-life
- 2 Pinocytosis
- 3 In endosomes, ARGX-213 prevents IgG binding to FcRn
- 4 IgG degraded in lysosomes
- 5 ARGX-213 recycles via FcRn or albumin

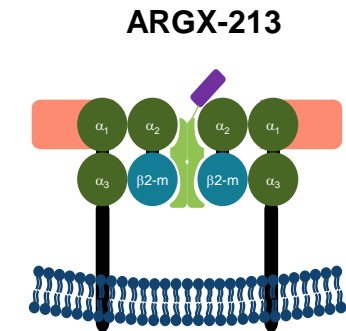
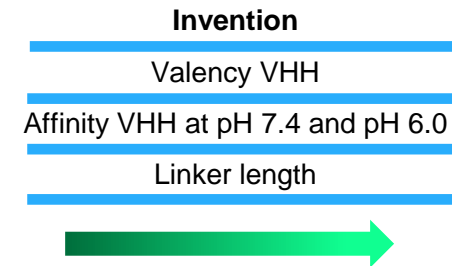
ARGX-213 is Designed For Optimal FcRn Binding and Equipped with Unique Features



- ✓ Enhanced PK
- Sustained PD
- Albumin sparing

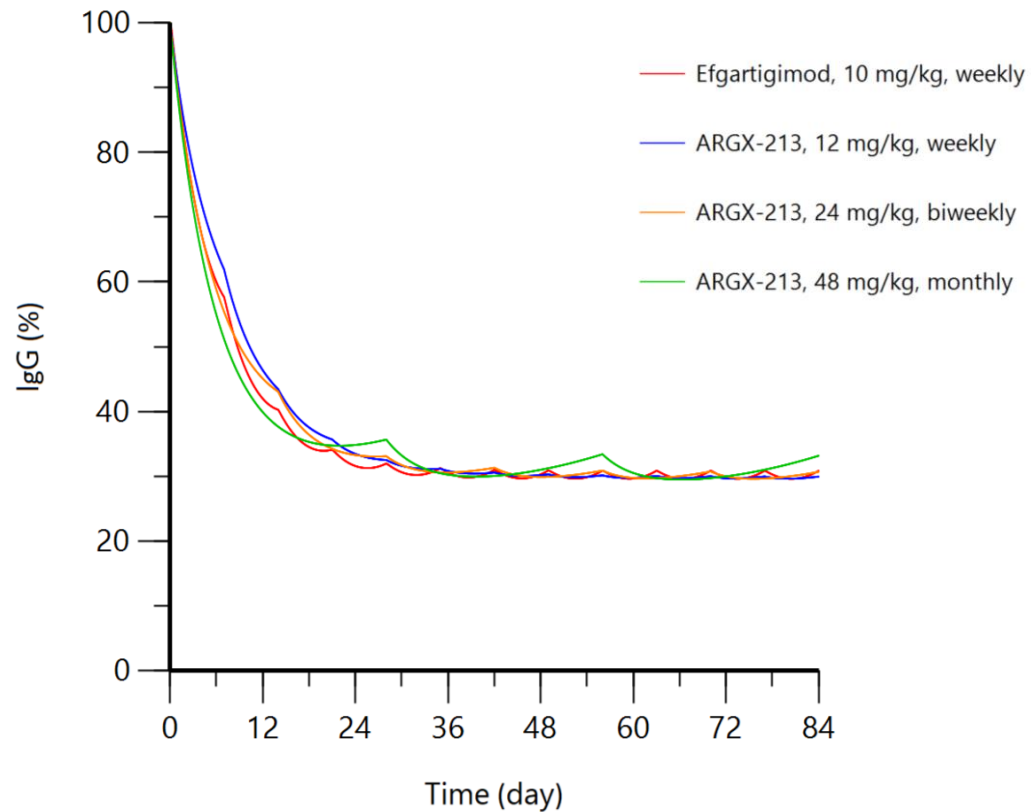


- ✓ Enhanced PK
- ✓ Sustained PD
- Albumin sparing



- ✓ Enhanced PK
- ✓ Sustained PD
- ✓ Albumin sparing

ARGX-213 Can Achieve Extended Dosing



ARGX-213 has increased half-life compared to efgartigimod resulting in prolonged PD effect

Simulations predict potential for monthly dosing

Path Forward for ARGX-213

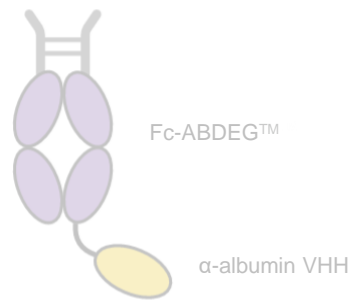
**Finalize GLP
Tox Study**

**Submit Clinical
Trial Application
1H25**

**Phase 1 to Start
in 2H25**

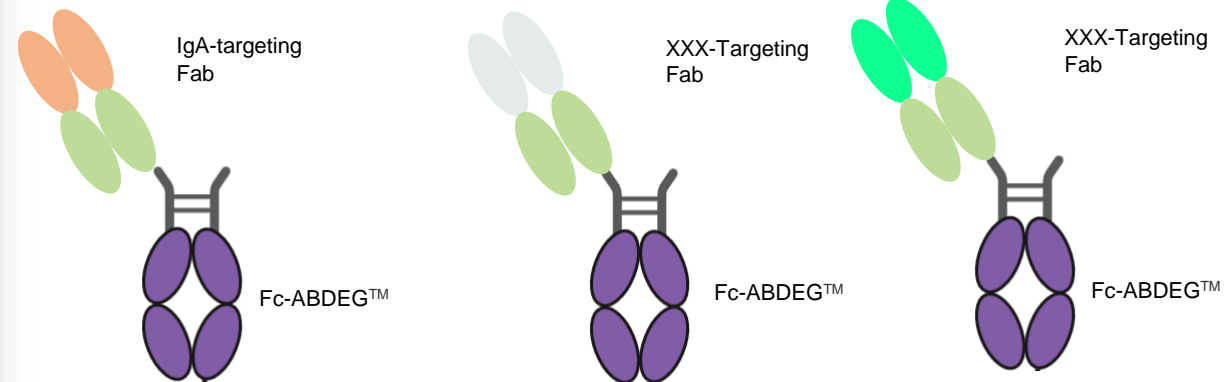
Deep Knowledge of FcRn Biology Builds New Pipeline Candidates

Leverage Albumin to Broaden FcRn Targeting Portfolio



ARGX-213

Leveraging Efgartigimod Backbone to Build New Class of Highly Potent Sweeping Molecules



ARGX-121

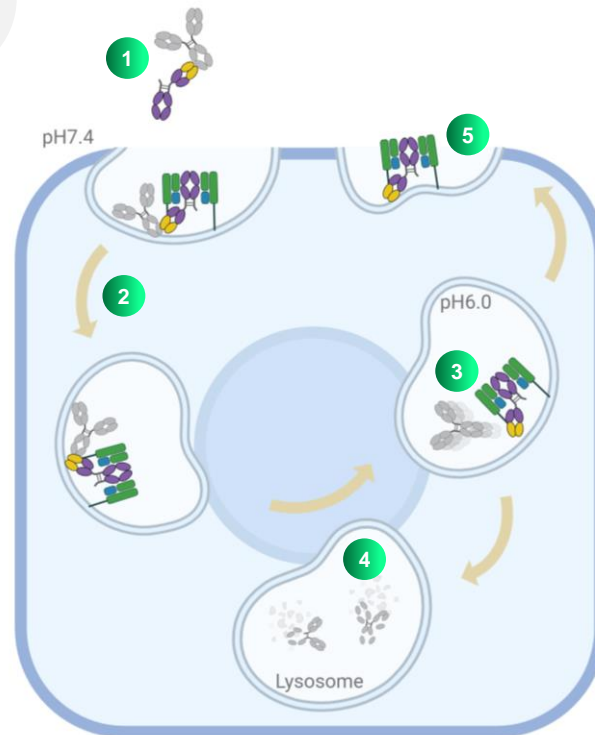
ARGX-XXX

ARGX-XXX

ARGX-121 Mode of Actions

I. FcRn-mediated IgA degradation

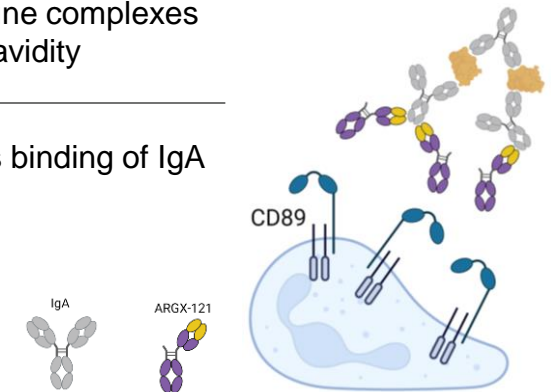
- 1 ARGX-121 binds to IgA (1-3 mg/ml)
- 2 Enhanced endocytosis of ARGX-121 IgA complex
- 3 Complex dissociates at pH 6.0 in endosomes
- 4 IgA is degraded in lysosomes
- 5 ARGX-121 recycles through enhanced FcRn binding at pH 6.0



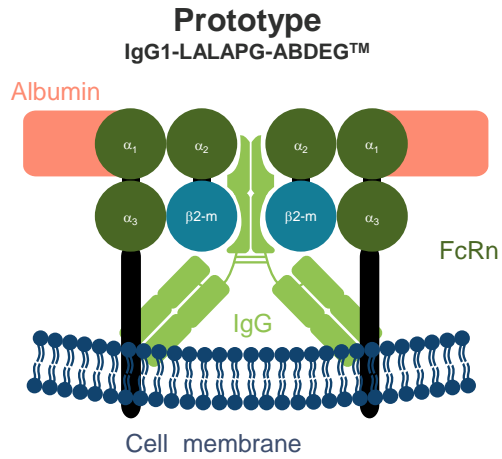
II. Blocking of IgA:CD89 mediated signalling

Monomeric IgA binds with low affinity to CD89 (Fc α R1) but upon formation of immune complexes it binds with high avidity

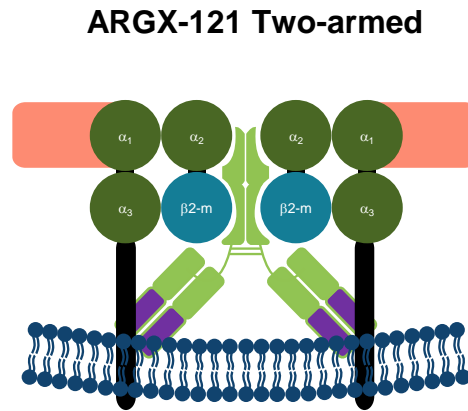
ARGX-121 blocks binding of IgA IC to CD89



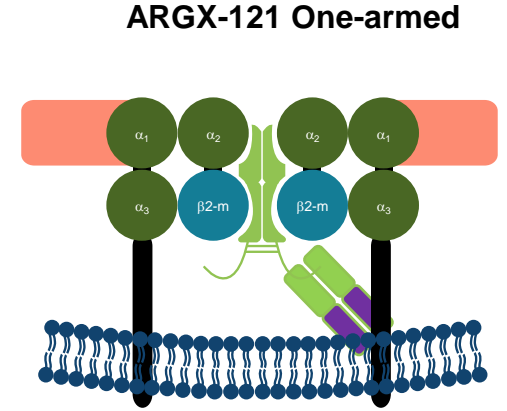
ARGX-121 Innovative Design Breakthrough



Invention
Affinity at pH 7.4 and pH 6.0
FcRn degradation



Invention
Immune complex formation
FcRn occupancy

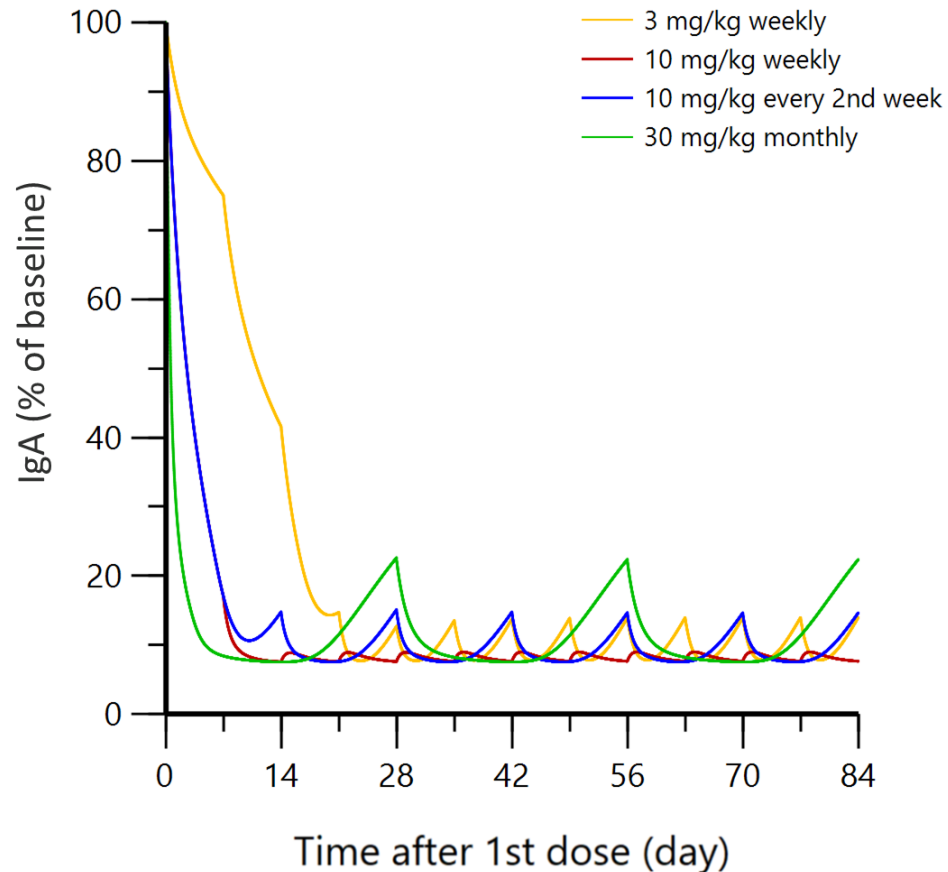


pH-dependent target binding	++
Risk for making immune complexes	+++
FcRn degradation	++
FcRn occupancy	-
IgA depletion in cyno	+

pH-dependent target binding	+++
Risk for making immune complexes	++
FcRn degradation	+
FcRn occupancy	+
IgA depletion in cyno	++

pH-dependent target binding	+++
Risk for making immune complexes	-
FcRn degradation	-
FcRn occupancy	++
IgA depletion in cyno	+++

ARGX-121 Rapidly and Drastically Impacts Circulating IgA Levels



Baseline IgA levels 2.5mg/ml
ARGX-121 PK/PD model based on mouse and cyno data

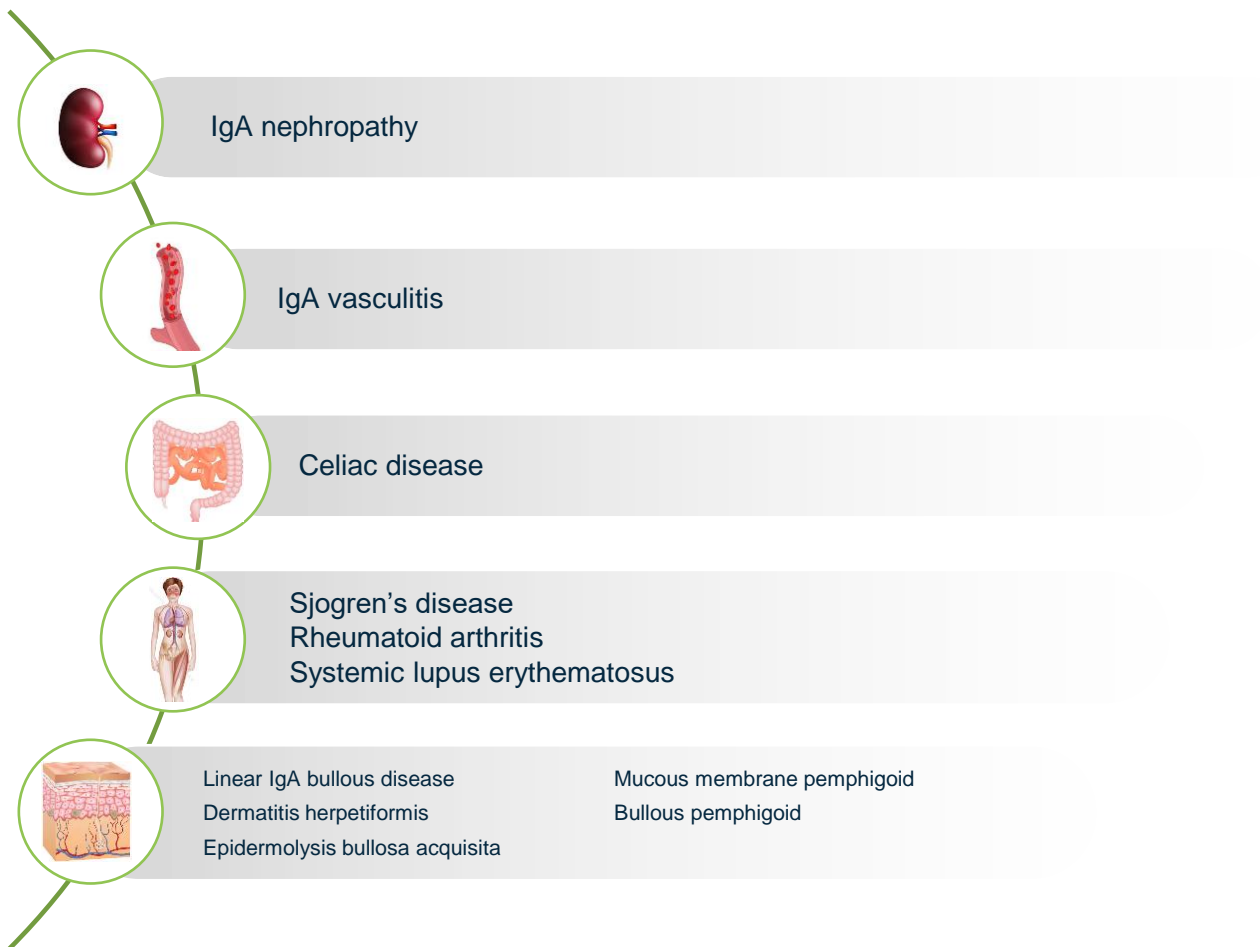
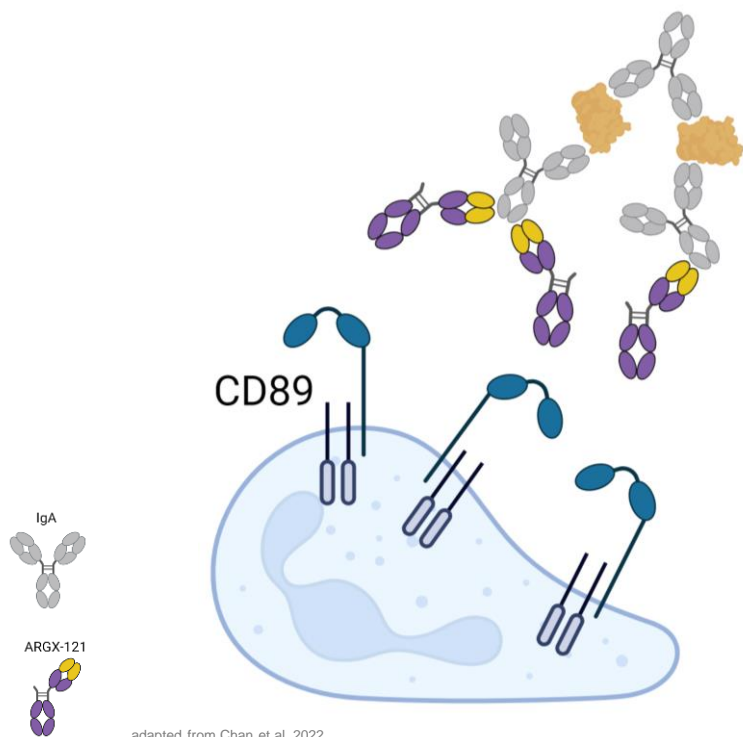
>90% IgA reduction within 1 week

Enables flexible dosing

Broad therapeutic potential

ARGX-121 Pipeline-in-a-Product Potential

IgA is Fundamental in Many Diseases



Path Forward for ARGX-121

**Finalize GLP
Tox Study**

**Submit Clinical
Trial Application
1H25**

**Phase 1 to Start
in 2H25**

Clinical Development

Luc Truyen, M.D., PhD /// Chief Medical Officer

Clinical Development: Bridging Innovation & Unmet Patient Need



Bench



Clinic



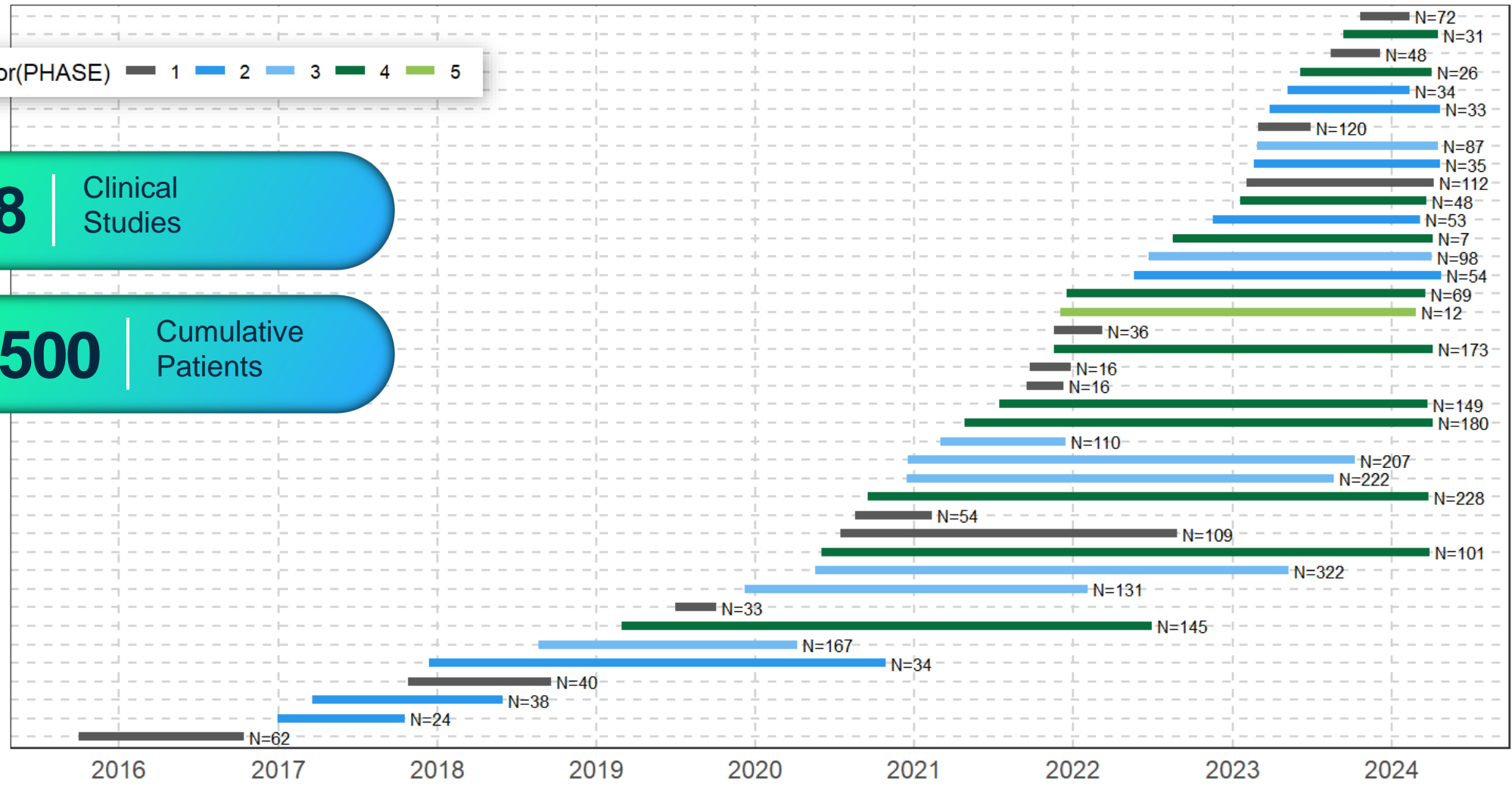
Patient

Rapidly Scaling our Clinical Footprint

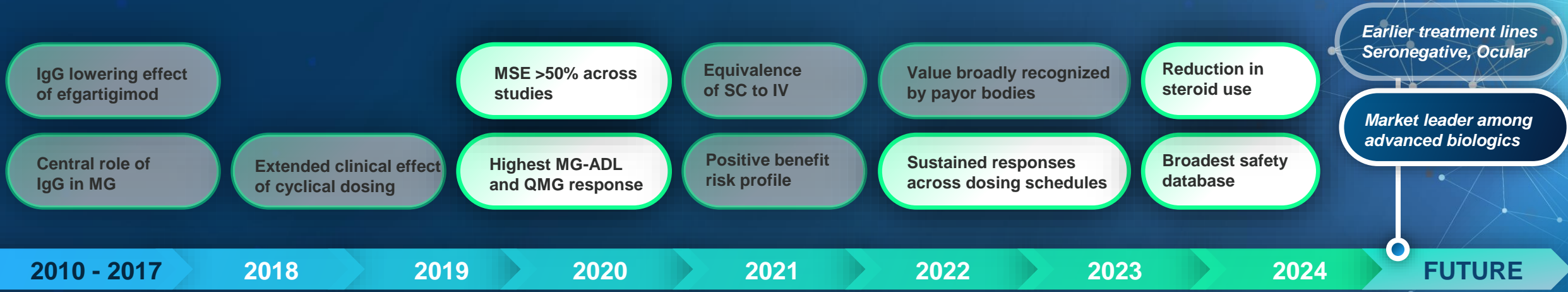
as.factor(PHASE) 1 2 3 4 5

48 | Clinical Studies

3,500 | Cumulative Patients



Pioneering in MG to Set New Standard for Treatment



Therapeutic Apheresis and Dialysis
Liu et al, 2010

JCI The Journal of Clinical Investigation
Ulrichs, 2017

Neurology
Howard et al, 2019

THE LANCET Neurology
Howard et al, 2021

frontiers in Neurology
Howard et al, 2024

Neurotherapeutics
Howard et al, accepted

JCI The Journal of Clinical Investigation
Ward, 2024

Applying Our Innovation Approach to Clinical Development

Innovation



Evidence Generation

Build broadest data to guide treatment decisions for patients



Co-Creation



Empowering Patients

Patient engagement in trial design and execution



Execution



Speed

Bring medicines to patients as quickly as possible



Ocular and Seronegative MG



Expanding MG Leadership Across Treatment Paradigm



Evidence Generation

ADAPT/ADAPT+

Real-world data



Patient Insights

Significant need

Lack of innovation



Speed

Efficient studies

Significant underserved population

Working to Reach Patients Faster



Evidence Generation

Depth of data from RHO study

Leveraging all FcRn data



Patient Insights

Endpoint selection

PRO measures



Speed

Phase 3 to start by end of 2024

Immune Mediated Myopathies (IMM)

One Study Across Multiple Myositis Subtypes



Evidence Generation

Subtype selection based on pathogenic IgG rationale



Patient Insights

Common TIS endpoint



Speed

Seamless Phase 2/3 Study with interim analysis

Multifocal Motor Neuropathy (MMN)



Pioneering First-in-Class Novel MoA



Evidence Generation

Robust PoC from ARDA

EoP2: endpoint alignment



Patient Insights

Natural history study exceeds 100 patients to date



Speed

Leveraging Ph2 and iMMersionN to accelerate recruitment

CIDP is 4th Indication for Empasiprubarb

Developing a Winning Strategy in CIDP



Evidence Generation

Building on MMN data

Broadening knowledge in complement biology



Patient Insights

High medical need

Opportunity for multiple innovations



Speed

Registrational trial with interim analysis

Bringing Innovation to Patients



Efgartigimod in Myositis

Leentje De Ceuninck, Ph.D. /// Senior Clinical Scientist



Melissa Living with Myositis

Idiopathic Inflammatory Myopathies (IIM) or Myositis

Characteristics

14 per 100,000 diagnosed

Mid-adult onset, more common in females

Increased mortality

No FDA-approved therapies across myositis subtypes

Disease Burden

Muscle weakness and Pain

Fatigue

Large impact on quality of life

Corticosteroid side effects

Myositis subtypes mediated by autoantibodies:
immune-mediated necrotizing myopathy (IMNM),
Antisynthetase syndrome (ASyS) and dermatomyositis (DM)

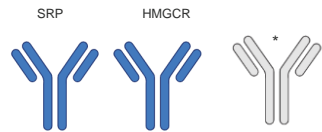


Melissa
Living with Myositis

Myositis Specific Autoantibodies (MSA) are Associated with Different Clinical Symptoms

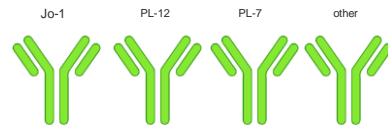
MSA target different autoantigens

IMNM



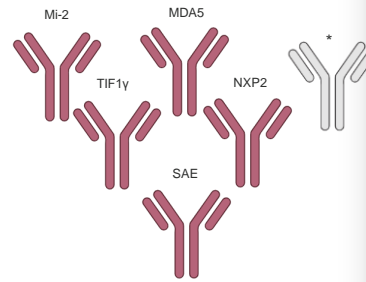
SRP: protein translation
HMGCRCR: cholesterol synthesis

ASyS



tRNA synthetases

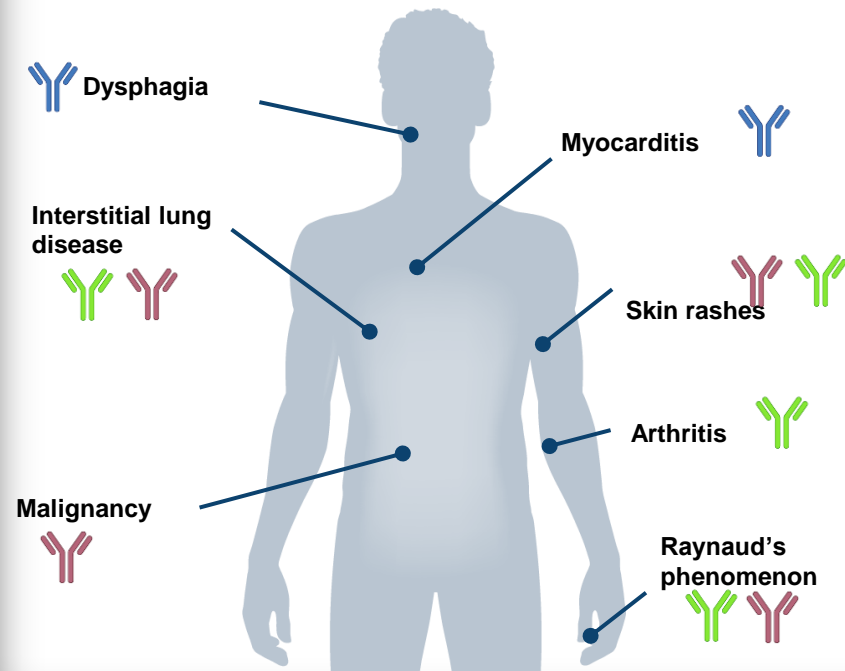
DM



Mi2: transcriptional repressor
Others: IFN regulators

* 25 – 30%: Myositis associated antibodies (MAA) or antibodies against unidentified targets

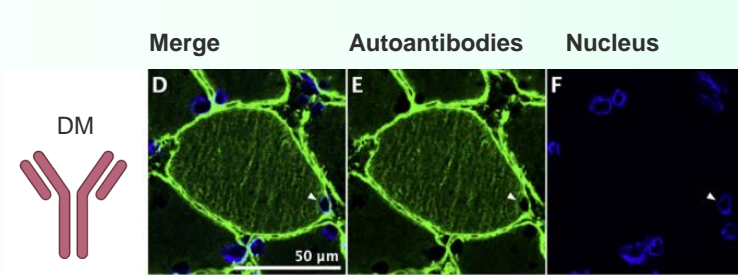
Clinical symptoms



Common hallmark: proximal muscle weakness

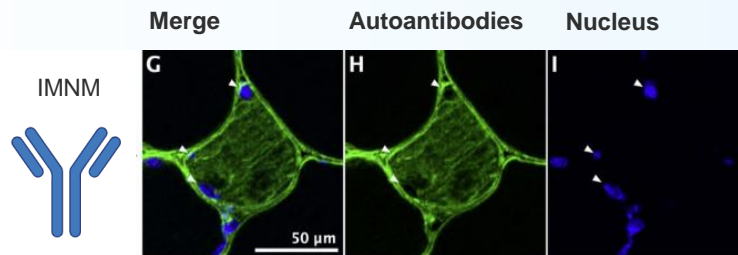
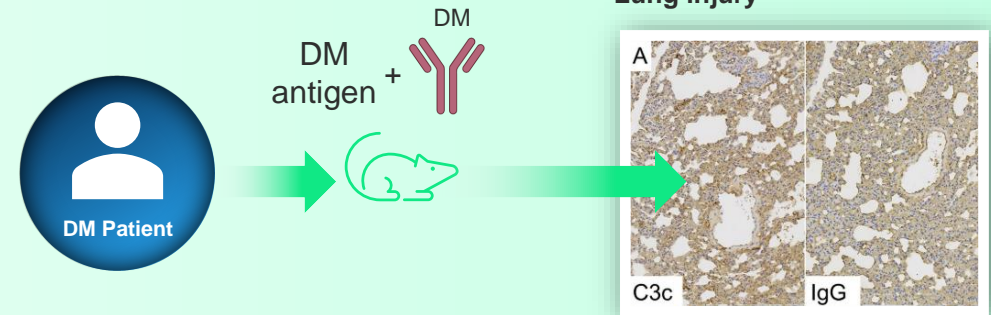
Myositis Auto-antibodies are Pathogenic

Pathogenic auto-antibodies enter muscle fibers

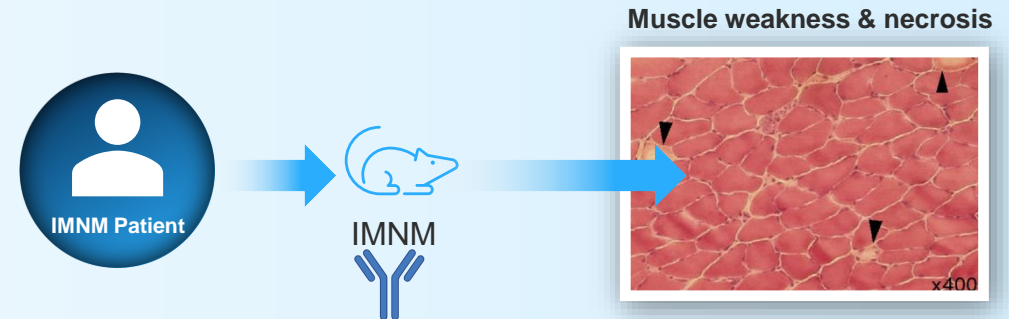


IFN
Pathway
Activation

Auto-antibodies induce IIM symptoms



Lipid
Accumulation



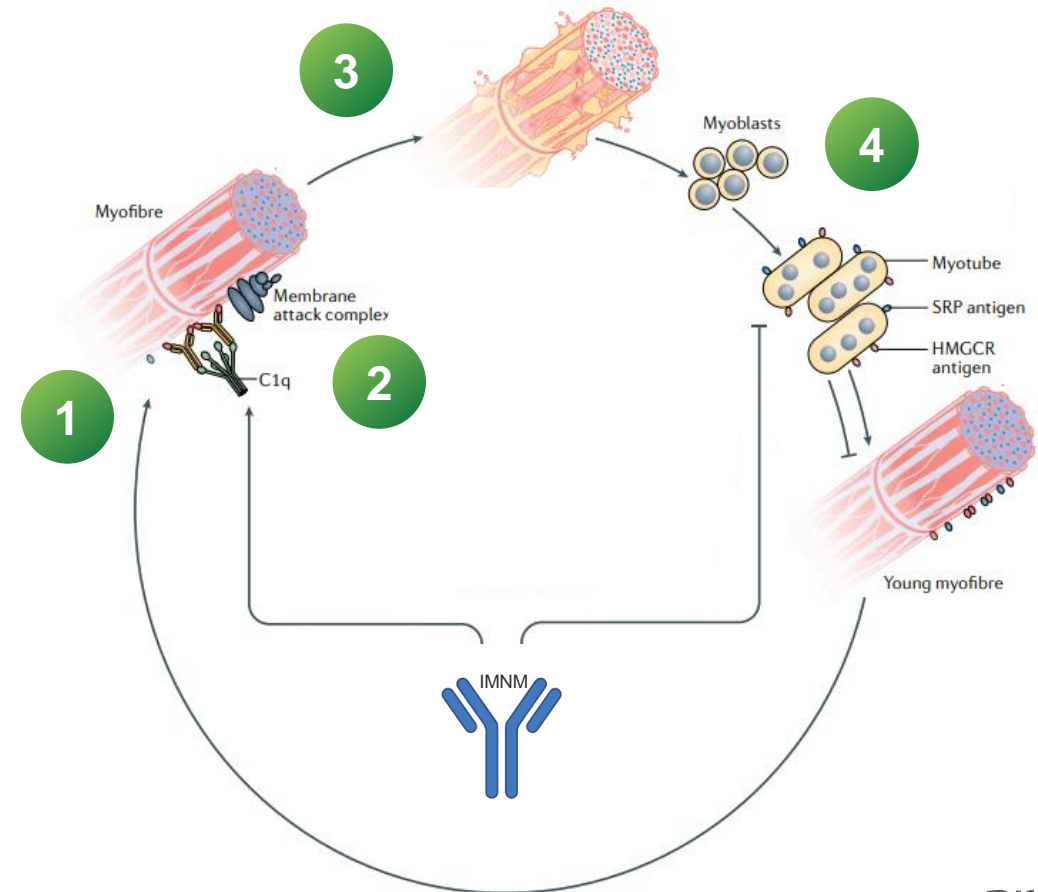
Clinical (human data)

Preclinical (mouse data)

IMNM Antibodies Trigger Muscle Damage and Impair Muscle Regeneration

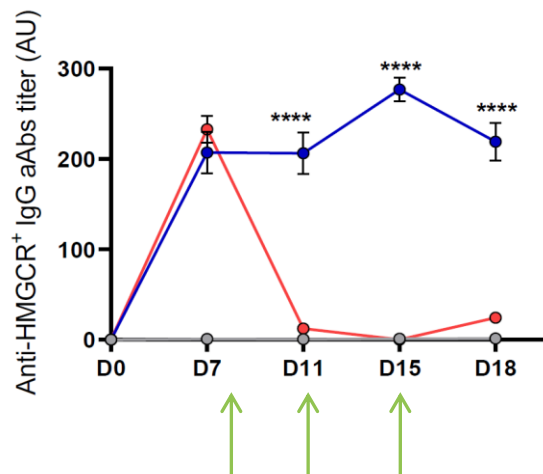
Auto-antibodies:

- 1 Bind muscle fiber
- 2 Activate complement
- 3 Cause necrosis
- 4 Impair muscle regeneration

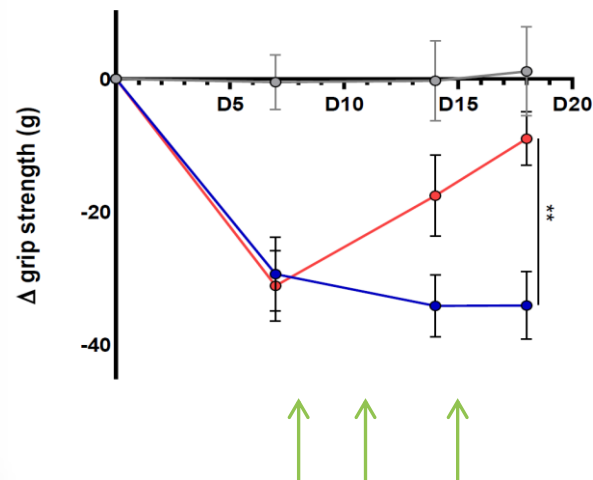


Efgartigimod Reduces IMNM Antibodies and Restores Mouse Muscle Function

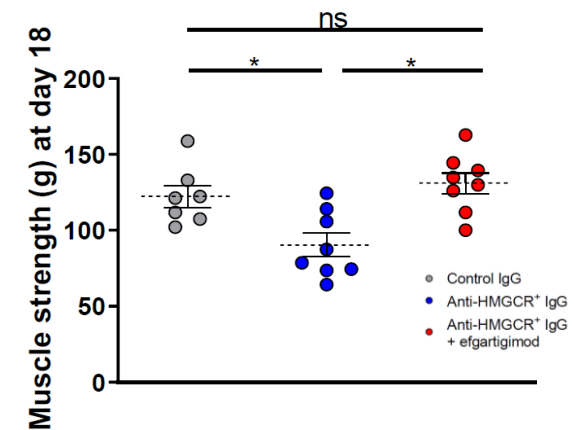
Antibodies



Grip Strength

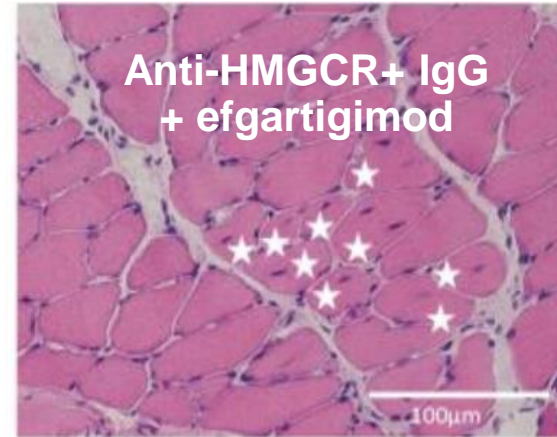
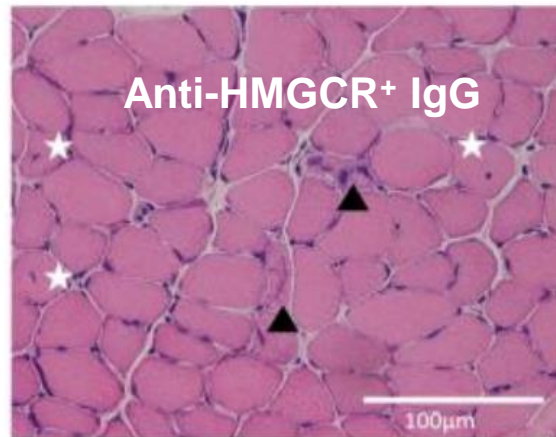


Muscle Strength



↑ Efgartigimod treatment

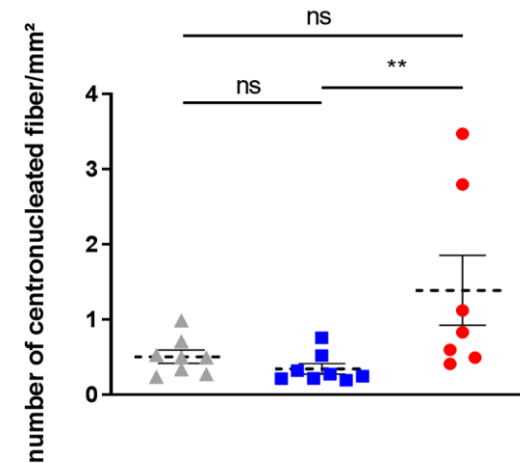
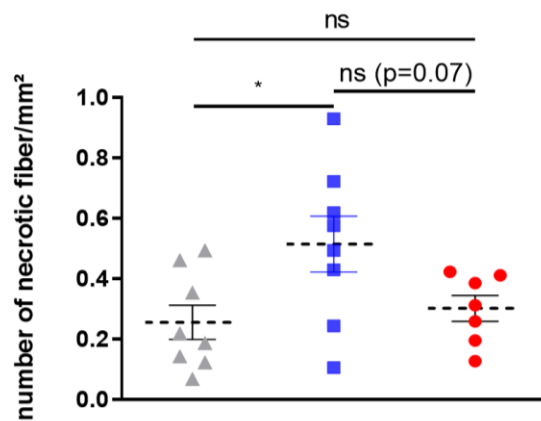
Efgartigimod Prevents Necrosis & Allows Regeneration of Muscle Fibers



★ Regenerating muscle fiber

▲ Necrotic fiber

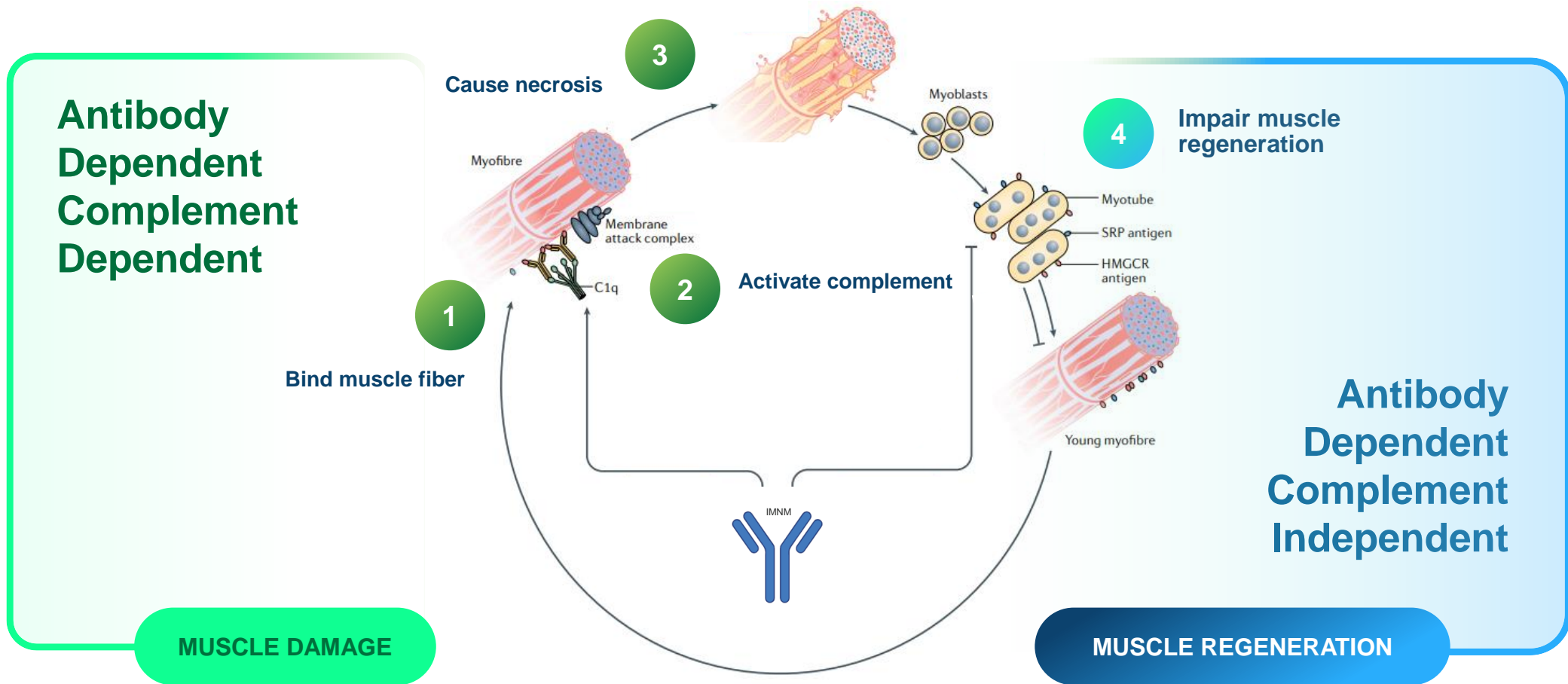
Necrosis



Regeneration

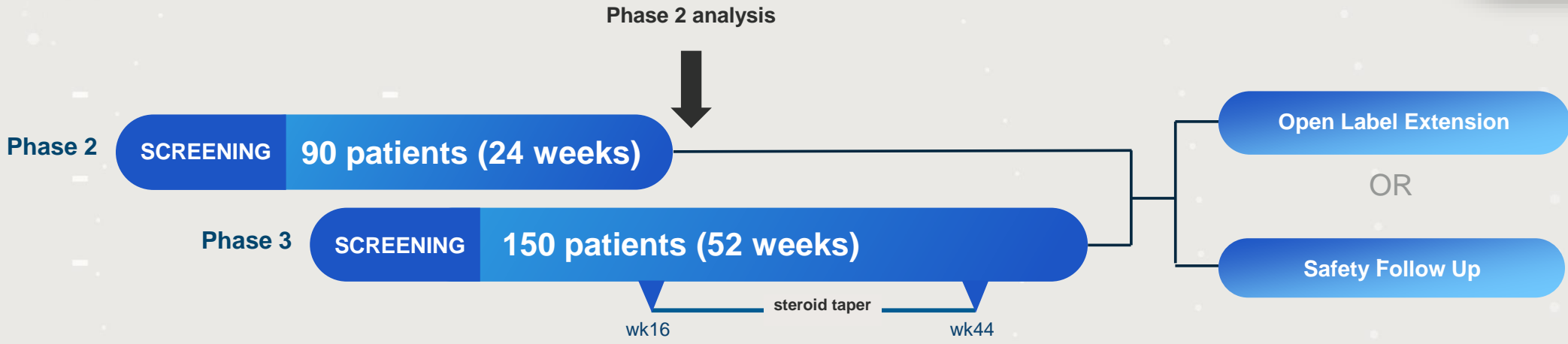
- ▲ Control IgG
- Anti-HMGCR+ IgG
- Anti-HMGCR+ IgG + efgartigimod

Efgartigimod Leads to Full Regain of Muscle Function in the IMNM Mouse Model



1. Figure adapted from: Allenbach Y, et al Nat Rev Rheum. 2020; 16(12) 2. Bergua C, et al. Ann Rheum Dis. 2019; 78(1) 3. Arouche-Delaperche L, et al Ann Neur. 2017; 81(4)

Phase 2 / Phase 3 Adaptive Basket Trials with Efgartigimod in IMNM, ASyS, DM



Adults

Active disease and muscle weakness despite stable dose of SoC

Weekly efgartigimod or PBO

+ background treatment

Phase 2 analysis

Go/NoGo per Myositis subtype

Primary endpoint: TIS

Path Forward for Myositis

**Seamless
Phase 2 /
Phase 3**

**Ongoing in
IMNM, ASyS, DM**

**Phase 2 analysis
By Year End 2024**

**Go / Go No decision
on each subtype**

Efgartigimod in Sjögren's Disease

Julie Jacobs Ph.D /// Principal Scientist



Lisa

Living with Sjögren's Disease

Sjögren's Disease

Characteristics

3 years time to diagnosis

103 per 100,000 diagnosed

55 years average age

14:1 female:male ratio

29-53% extra-glandular manifestations

Disease Burden

5-10% develop lymphoma

Decreased physical performance

Depression and Fatigue

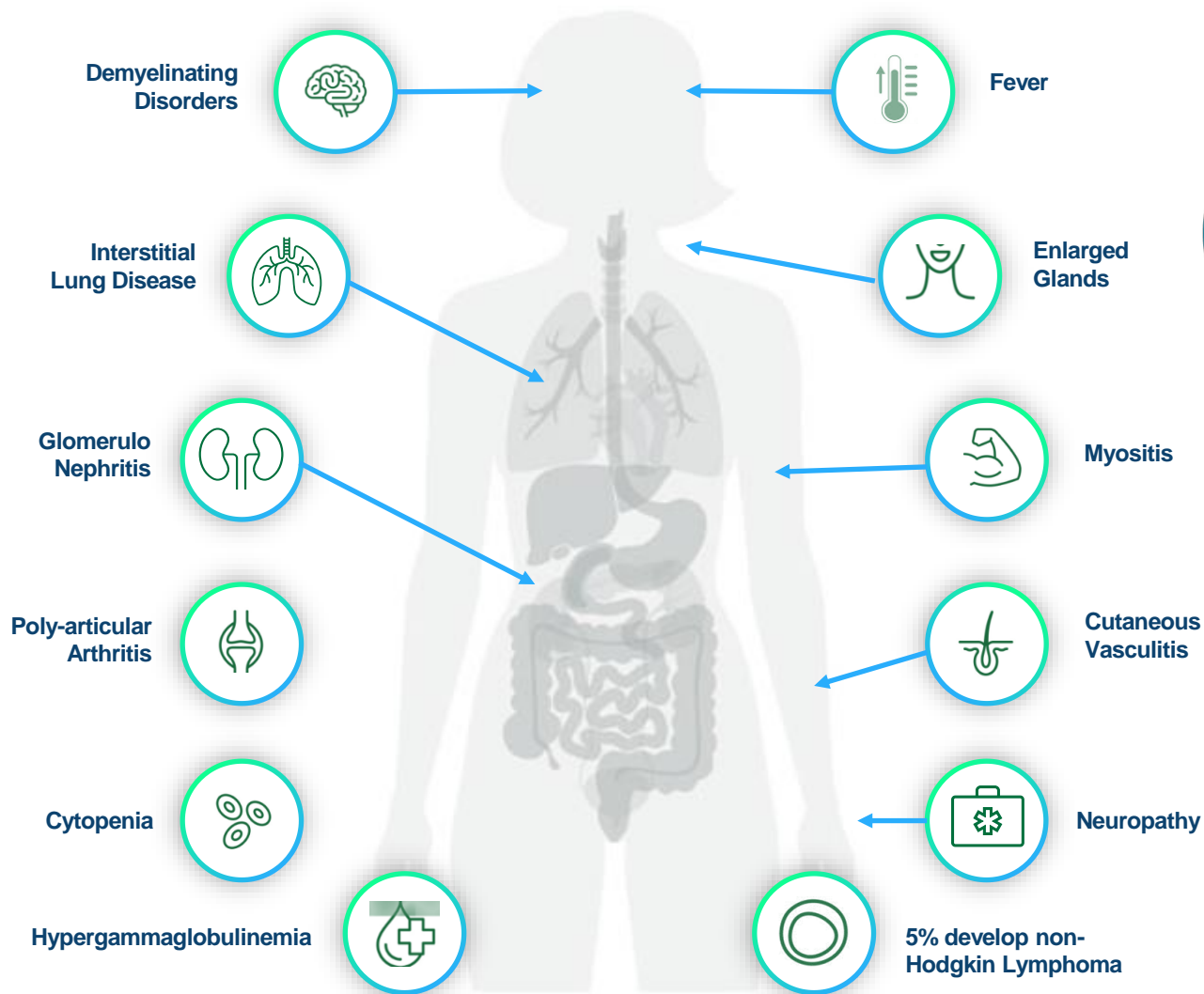
Anxiety and Pain

Negatively impacting **daily activities**



Lisa
Living with Sjögren's Disease

Systemic Manifestations of Sjögren's Disease



No Approved Treatments to Target Underlying Disease

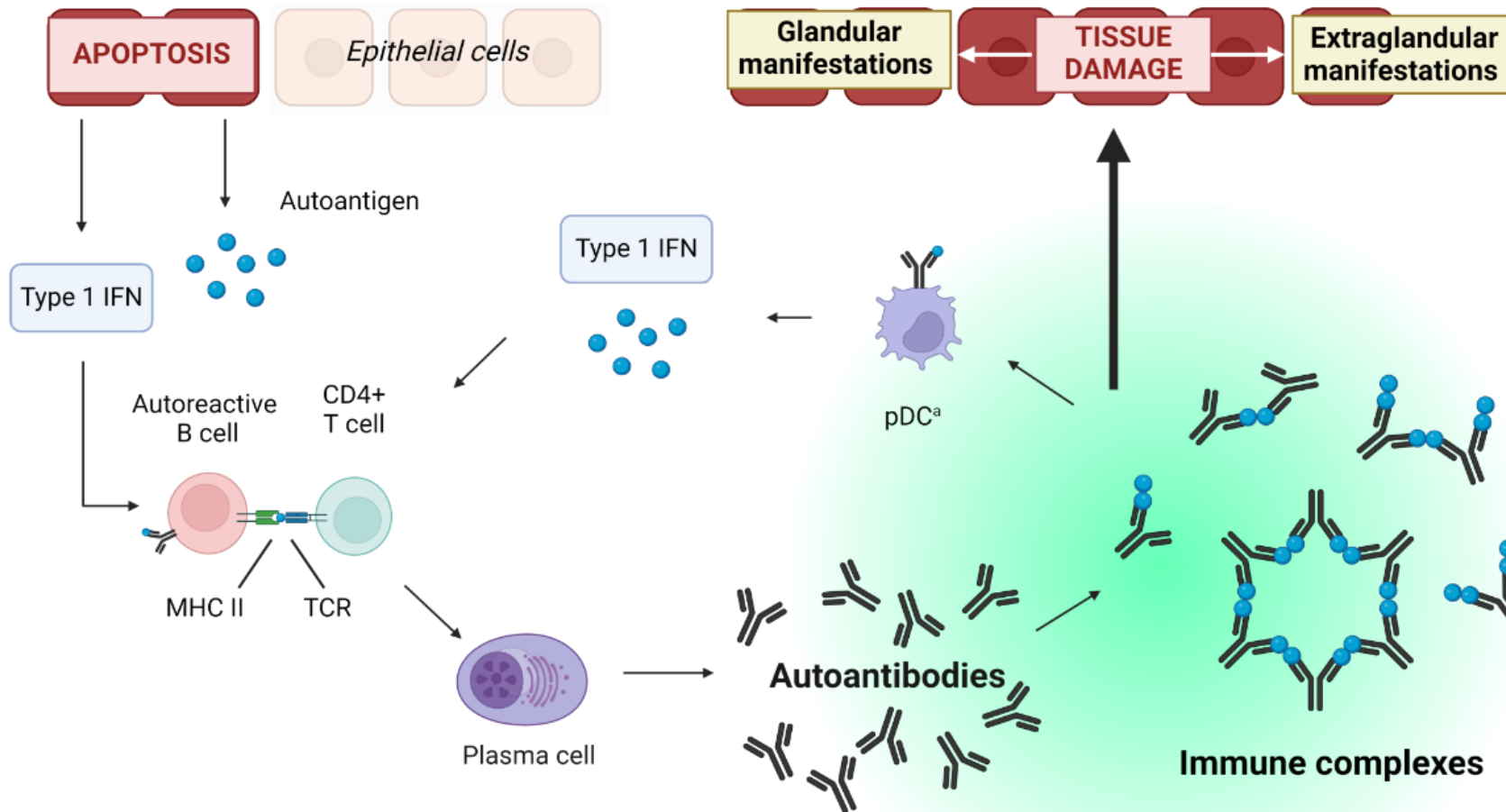
Primary Symptoms

Sicca Symptoms
Dry eye, mouth and vagina

Fatigue and Pain

Brito-Zerón P, et al. *Nat Rev Dis Primers*. 2016; Both T, et al. *Int J Med Sci*. 2017; Negrini S, et al. *Clin Exp Med*. 2022

Auto-antibodies are Key Players in Sjögren's Disease



Pathogenicity of Autoantibodies

Abnormally elevated IgG levels and presence of IgG auto-antibodies (anti-Ro/anti-La)

Auto-antibody immune complexes induce and maintain type 1 IFN signature resulting in immune-activation and tissue damage

RHO Trial: Proof-of-Concept in Sjögren's Disease



Screening Period

≤4 weeks

Key inclusion criteria

ACR/EULAR 2016 SjD diagnosed

ESSDAI ≥5

Anti-Ro+

Residual (un)stimulated salivary flow

Treatment Period

Weekly - 24 weeks

Placebo (n=9)

↑ ↑ ↑ ↑ ↑
week 0 1 2 3 4 -- 23 24

Efgartigimod IV 10mg/kg (n=22)

Open-label Extension

48 weeks

Efgartigimod IV 10mg/kg

Weekly or biweekly dosing
depending on response

Treatment-free Follow-up Phase

Demographics and baseline characteristics

- Median age 49yo (29-70)
- ~ 5 years since diagnosis
- 68% of participants with ESSDAI ≥ 10
- Majority of patients on stable dose of hydroxychloroquine and/or low dose steroids
- 50% of patients with hypergammaglobulinemia (IgG>16 g/L)

Objectives to see consistency across measures

Primary endpoint

Proportion of responders to composite of relevant endpoints for Sjögren's disease (CRESS)

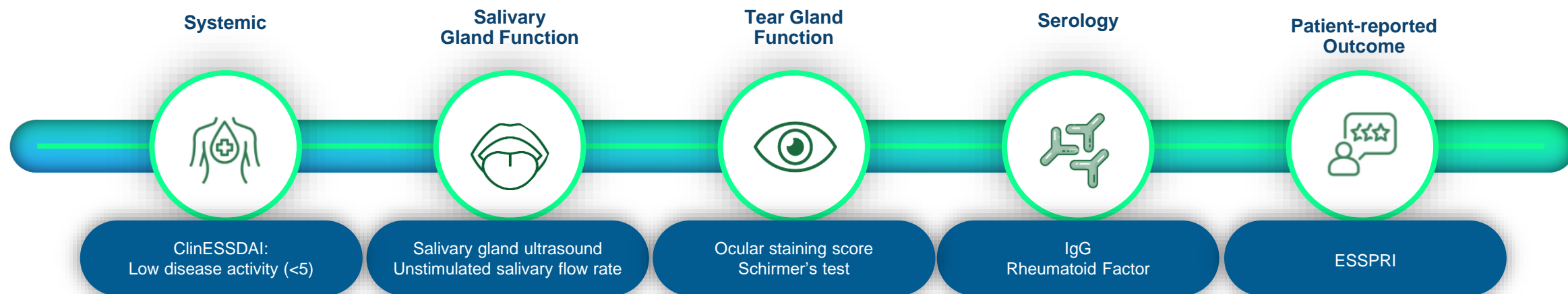
Secondary endpoints

- Treatment effect on
- Systemic disease (ClinESSDAI, ESSDAI)
 - Patient-reported outcome (ESSPRI)
 - Composite endpoint (STAR)

Biomarkers

IgG, RF, auto-antibodies, Immune complexes, IFN, histology and complement

Primary Endpoint: CRESS



OBJECTIVE:

To demonstrate more CRESS responders (at least 3 out of 5 items) at week 24 in the active arm

Limitations



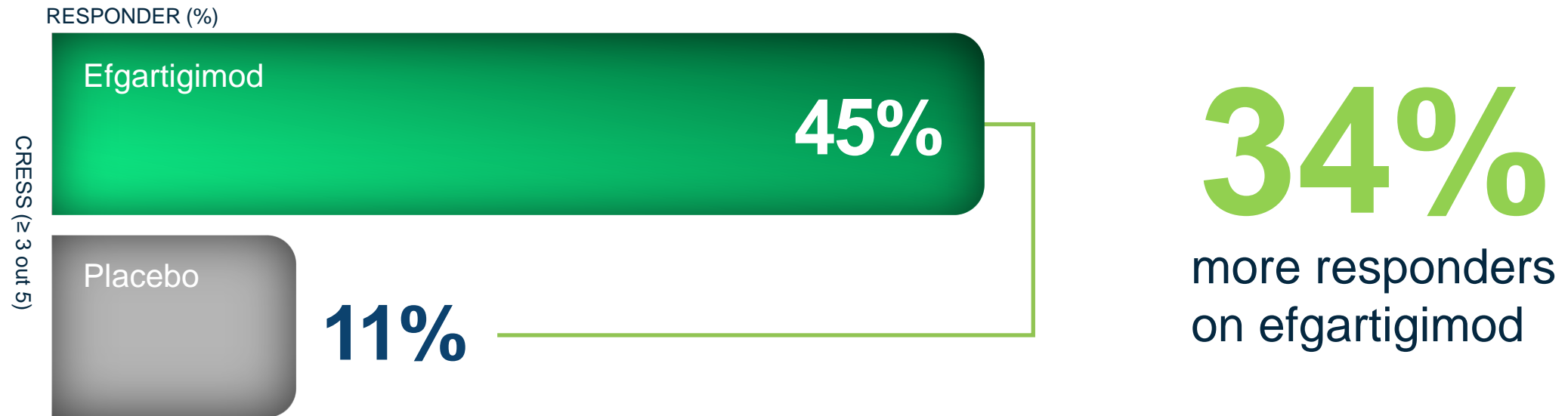
NOVEL ENDPOINT
(IN VALIDATION)

Strengths

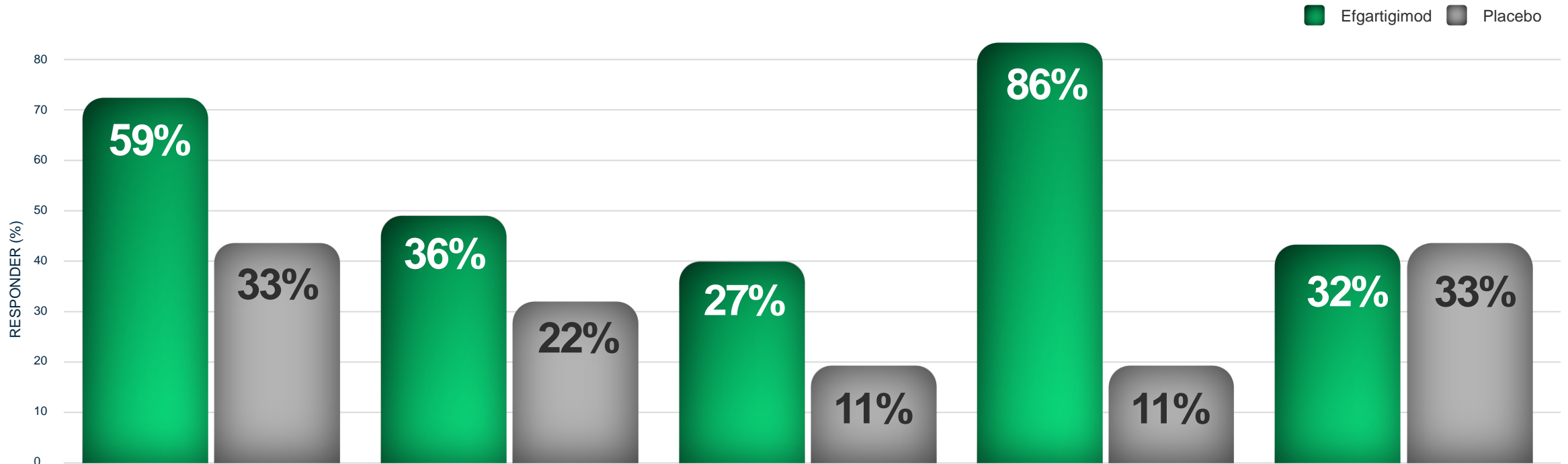


ACCOUNTS FOR
HETEROGENEOUS
DISEASE

Efgartigimod Demonstrated Effect on Primary Endpoint CRESS



Observed Treatment Effect in 4 Items of CRESS



Systemic

ClinESSDAI:
Low disease
activity (<5)



Salivary Gland Function

Salivary gland
ultrasound
Unstimulated
salivary flow rate



Tear Gland Function

Ocular
staining score
Schirmer's test



Serology

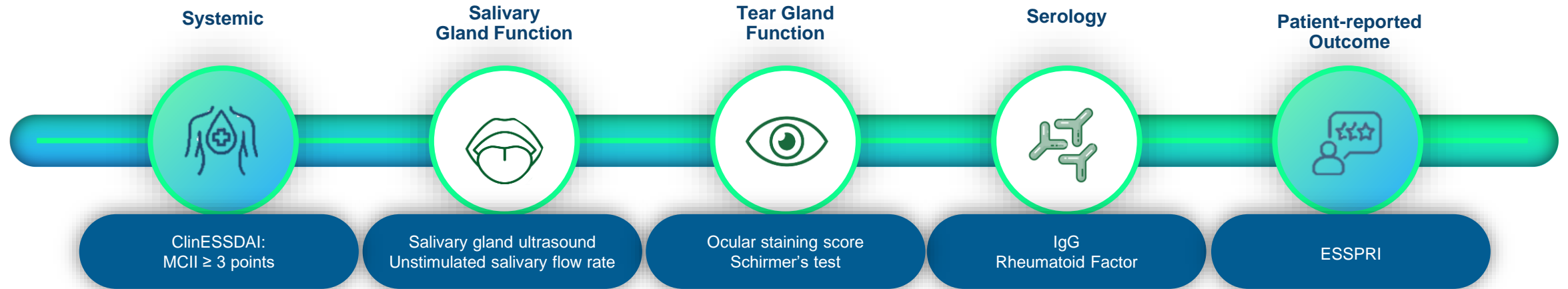
IgG
Rheumatoid
Factor



Patient-reported Outcome

ESSPRI

Secondary Endpoint: STAR



OBJECTIVE:

To demonstrate more STAR responders (at least 5 points) at week 24 in the active arm

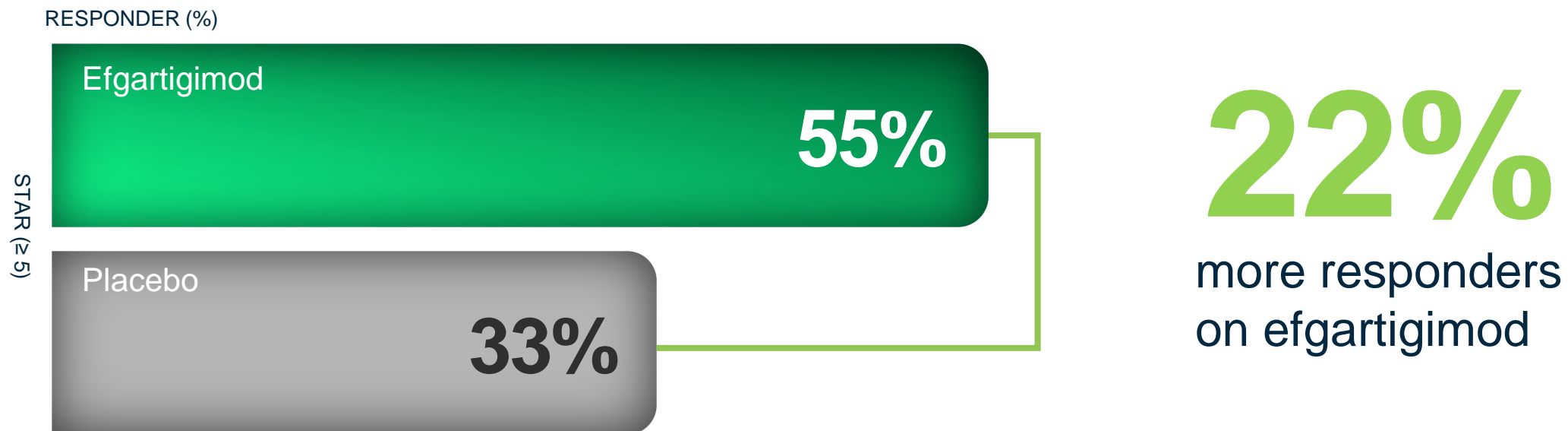
GRESS
 ≥ 3 out of 5

Requires response in 3 out of 5 items
Responder systemic disease: ClinESSDAI < 5

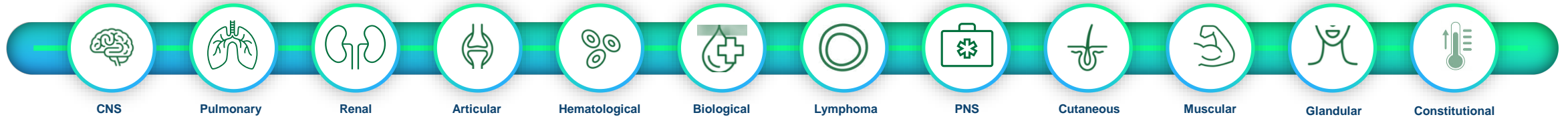
STAR
 ≥ 5

Requires response on PRO and/or systemic disease
Responder systemic disease: ClinESSDAI decrease ≥ 3

Efgartigimod Demonstrated Effect on STAR



Secondary Endpoint: ESSDAI



Limitations

HIGH PLACEBO RESPONSES

DOES NOT CAPTURE ALL DISEASE FEATURES

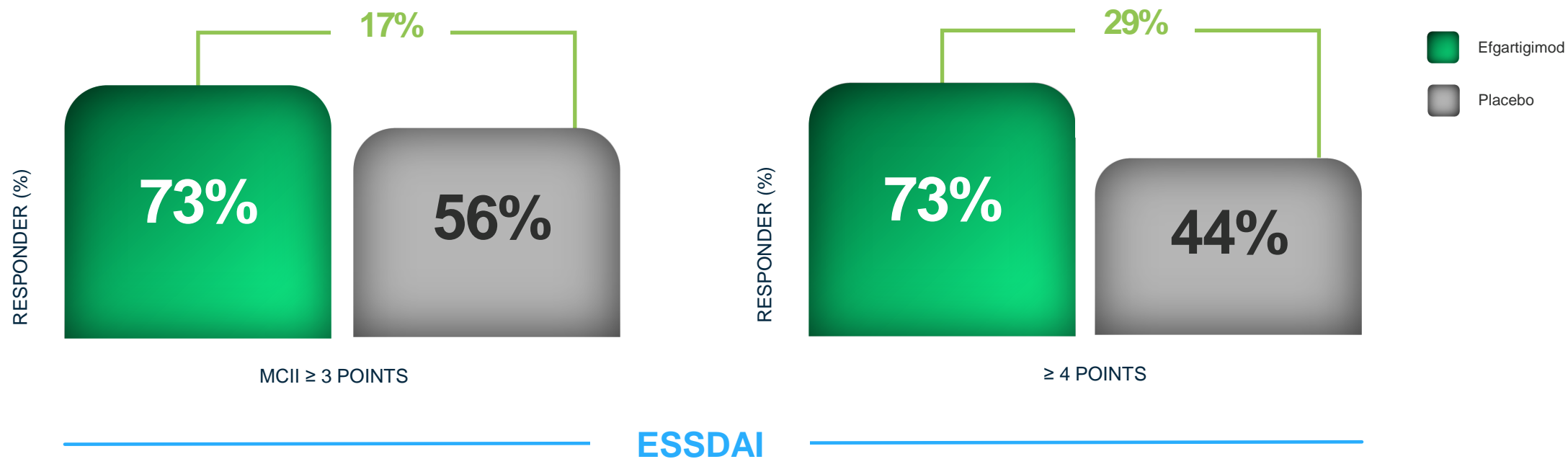
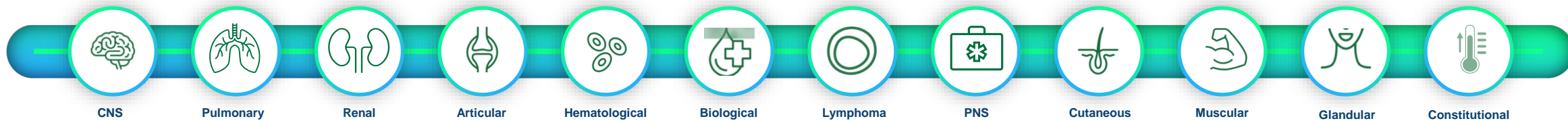
Strengths

ESTABLISHED ENDPOINT WITH FOCUS ON SYSTEMIC DISEASE SEVERITY

OBJECTIVE:

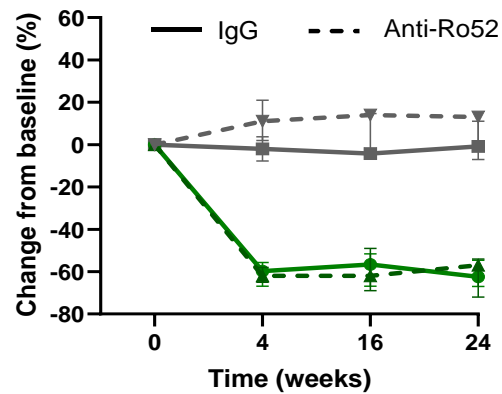
To demonstrate increased response rates on ESSDAI

Efgartigimod Demonstrated Effect on ESSDAI



Efgartigimod Shows Potential to Break Loop of Immune Activation and Tissue Damage

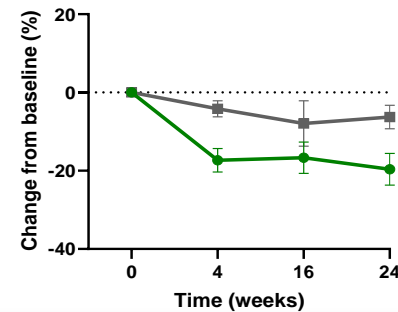
Reduction IgG and Disease-Specific Auto-Antibody



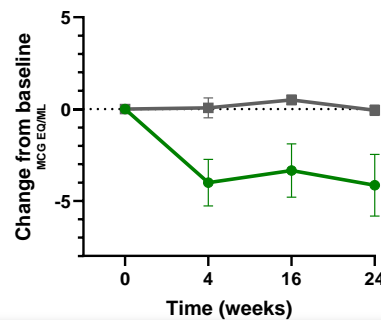
*Median ±IQR

■ Efgartigimod ■ Placebo

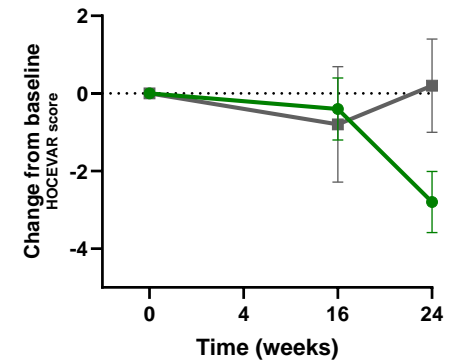
Reduction Rheumatoid Factor



Reduction C1Q Immune Complexes

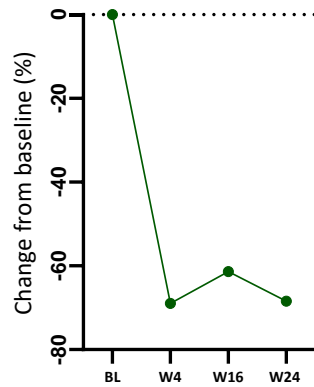


Reduction HOCEVAR Score on Salivary Gland Ultrasound

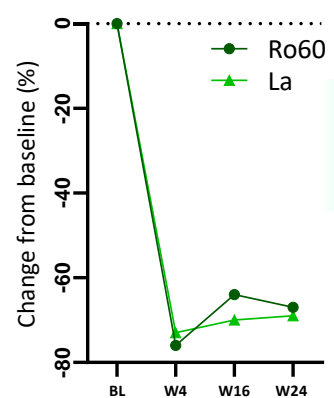


Patient Narrative Confirms Effect of FcRn Inhibition with Efgartigimod

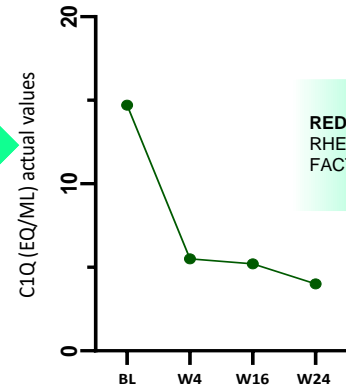
REDUCTION IgG



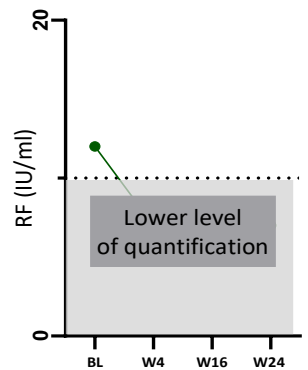
REDUCTION DISEASE-SPECIFIC AUTOANTIBODIES



REDUCTION C1Q IMMUNE COMPLEXES






REDUCTION RHEUMATOID FACTOR

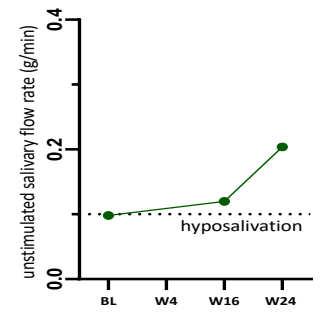


RESPONDER ON STAR AND CRESS

REDUCED SYSTEMIC DISEASE
ClinESDAI-10

-  **GLANDULAR SWELLING NOW ABSENT**
-  **LYMPHADENOPATHY RESOLUTION**
-  **STEPWISE ARTICULAR IMPROVEMENT**

IMPROVED SALIVARY FUNCTION



Proof-of-Concept Established in Sjögren's Disease

60% IgG reductions
consistent with other
clinical trials

Reduction of auto-
antibodies, immune
complexes and
rheumatoid factor

Increased response
on composite
endpoints (22-34%)

Response observed
in 4 out of 5 items of
CRESS

**Improvement over
time**



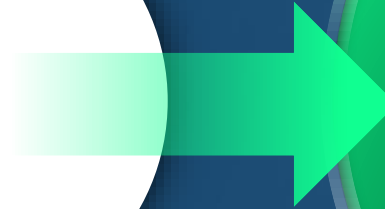
**Safe & well
tolerated**

**IgG Reduction
and Biomarker
Data Correlate to
Clinical Benefit**

Consistency of Data Demonstrates Path Forward



Phase 2 Nipocalimab
Data (DAHLIA Study)



**Justifies
Advancement
To a Phase 3
Study**

Path Forward for Sjögren's Disease

End of Phase
2 Meeting



Phase 3 to Start
by End of 2024

Empasiprubart

Inge Van de Walle /// Research Fellow



Brenda Living with MMN

Multifocal Motor Neuropathy (MMN)

Characteristics

~1.5 years to diagnosis

Progressive and often
misdiagnosed as ALS

Severe disability in **20%** of patients

IVIG only approved therapy

Disease Burden

Muscle weakness and **cramping**

Difficulty walking

Impact on social life, activities and work

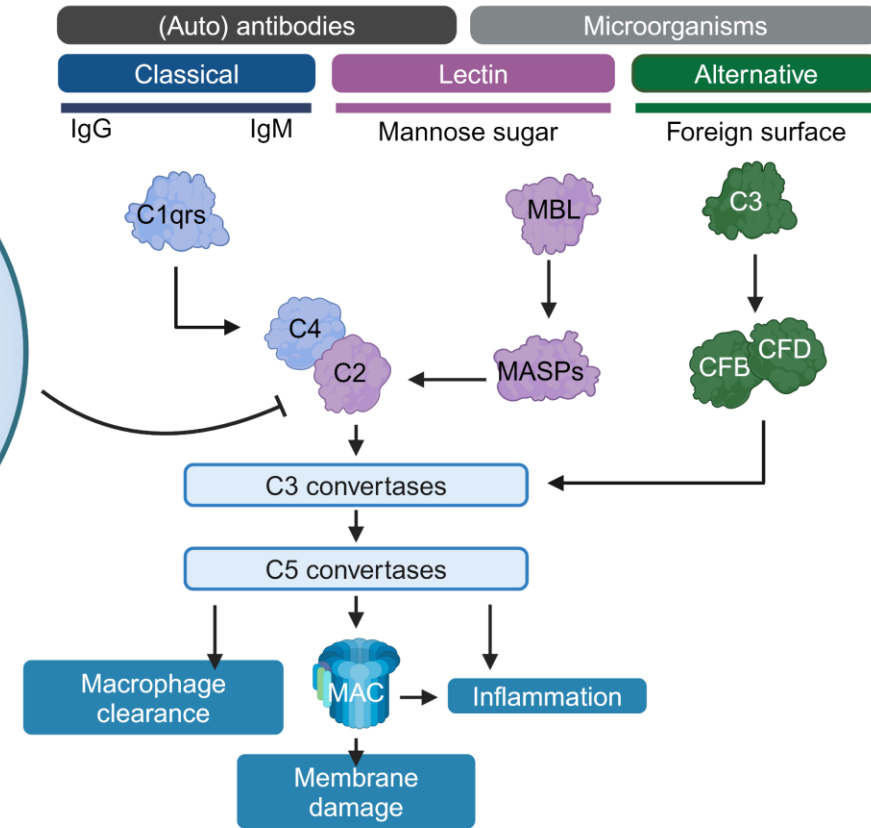
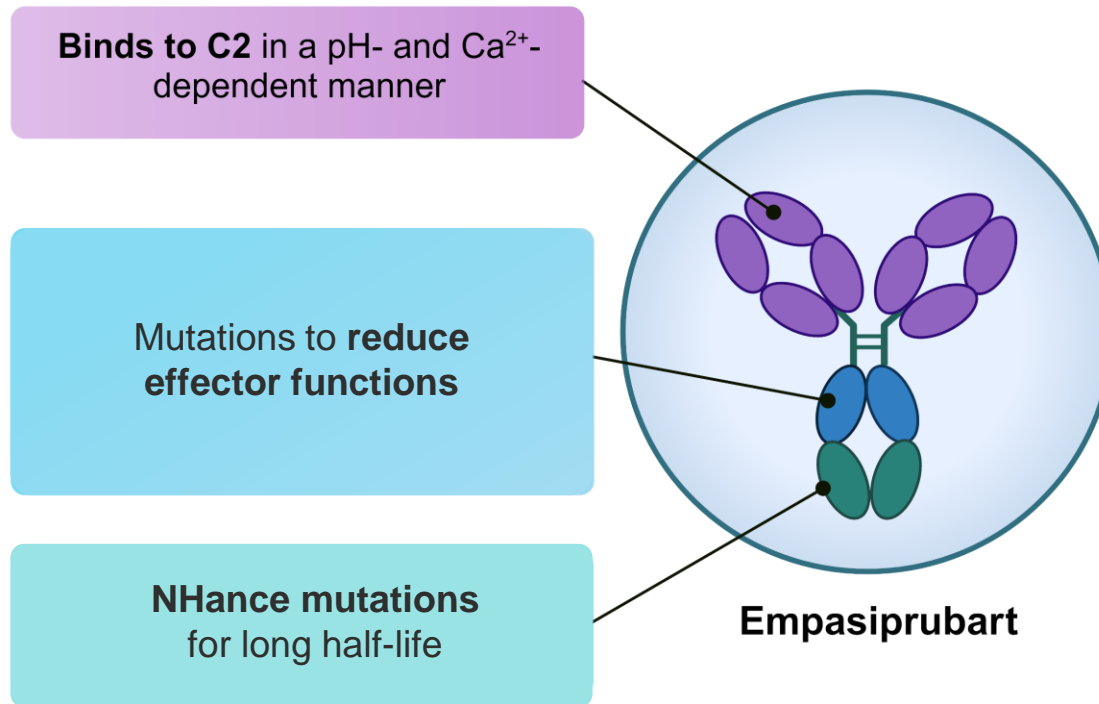
Exhaustion and **fatigue**



Brenda
Patient with MMN

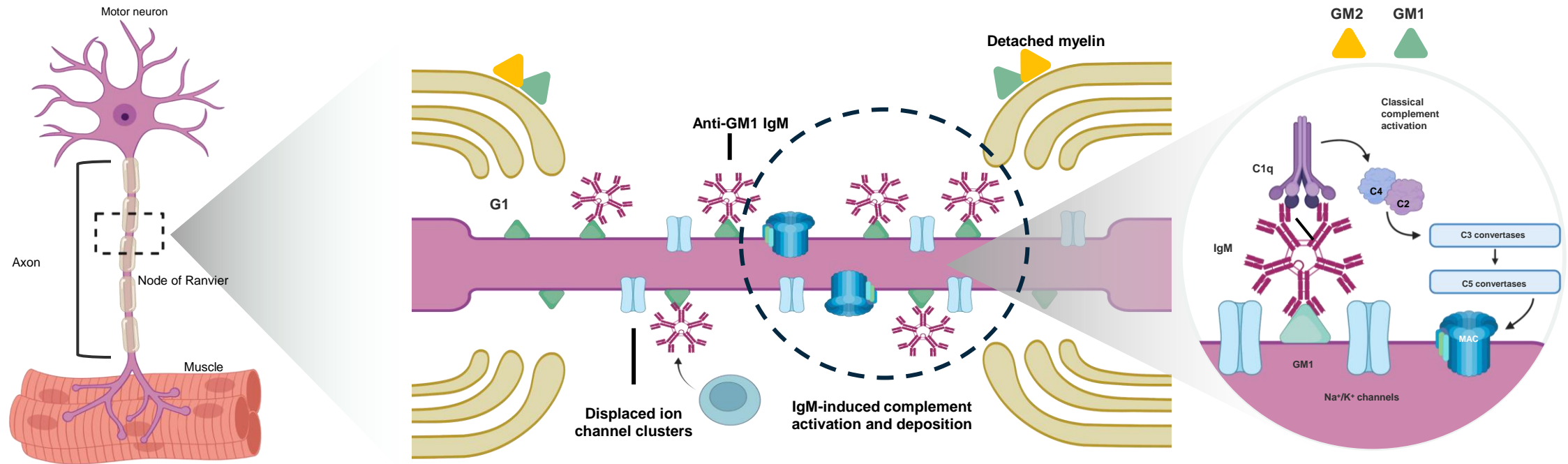
Empasiprubart

Novel C2-Specific Humanized Monoclonal Antibody With Mutations That Facilitate a Long Half-Life



FcRn, neonatal Fc receptor.
 1. Murphy K. *Janeway's Immunobiology*. 8th ed. Garland Science; 2012. 2. Sarma JV, Ward PA. *Cell Tissue Res*. 2011;343(1):227-235. 3. Van de Walle I, et al. *Clin Immunol*. 2021;147(4):1420-1429. 4. Hezareh M, et al. *J Virol*. 2001;75(24):12161-12168. 5. Vaccaro C, et al. *Proc Natl Acad Sci*. 2006;103(49):18709-18714.

Complement Activation Drives Axonal Damage in MMN

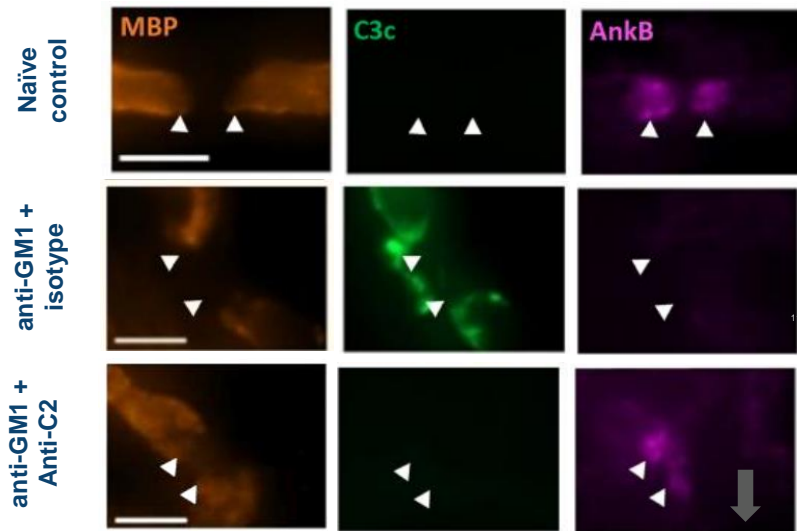


New Learning
GM2 also plays role
in subset of patients

Figure created with BioRender.com, adapted from Vlam L, et al. Nat Rev Neurol. 2011;8(1):48–58 and Sathe A, Cusick JK. In: StatPearls. Treasure Island (FL): StatPearls Publishing; 2023. <https://www.ncbi.nlm.nih.gov/books/NBK555995/>.

C2 Inhibition Improves Respiratory Function in vivo

C2 inhibition reduced structural injury to Schwann cell nodal membranes

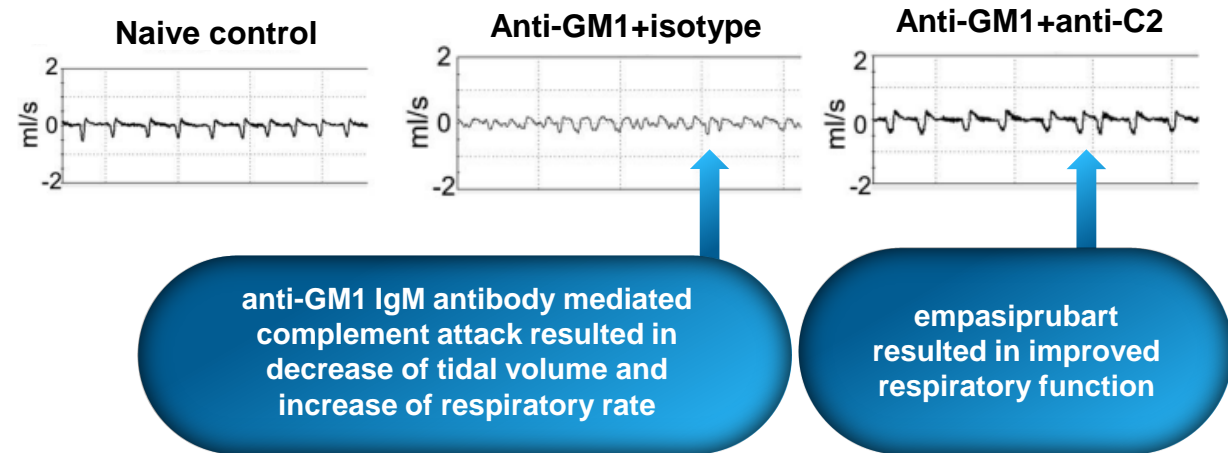


anti-GM1 antibody mediated complement attack on the Schwann cell membrane



Significant disruption at node of Ranvier (hall mark of MMN) w/o empasprubart

Empasprubart significantly reduced injury to paranodal proteins and improves respiratory function in vivo



anti-GM1 IgM antibody mediated complement attack resulted in decrease of tidal volume and increase of respiratory rate

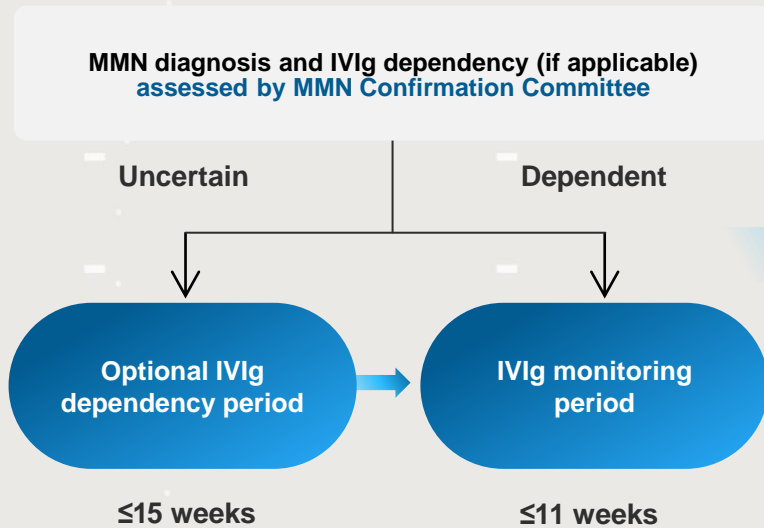
empasprubart resulted in improved respiratory function

Campbell CI et al. 2022 Nov 23; 4(6) fcac306

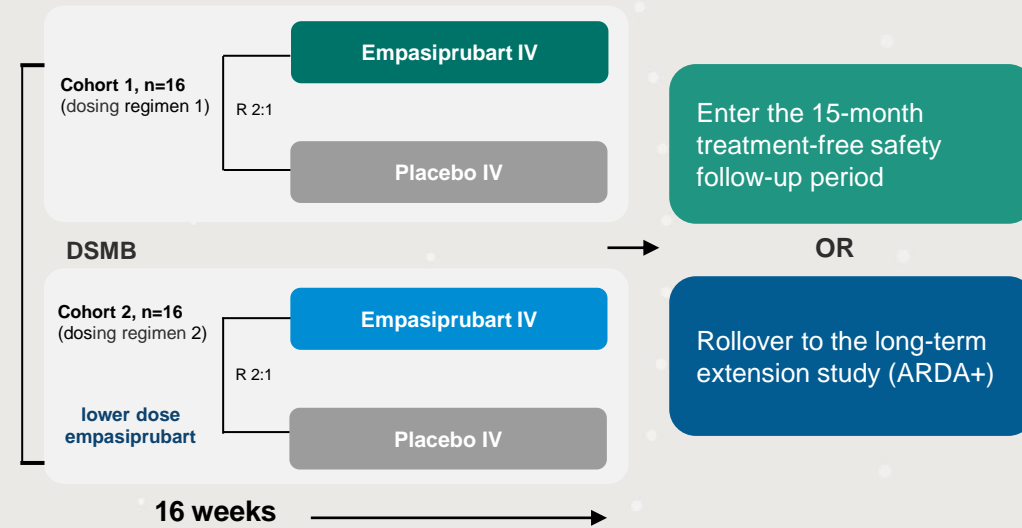
Phase 2 Trial Design



Screening (≤28 days)



Double-blinded Treatment Period



Primary endpoint

Safety outcomes based on AE monitoring and other safety assessments (clinical laboratory tests)

Secondary and additional endpoints

- Time to first retreatment with IVIg
- Evaluation of efficacy measures
- Evaluation of productivity, treatment satisfaction and QoL measures
- Evaluation of PK, PD, and immunogenicity

EFNS, European Federation of the Neurology Societies; IV, intravenous; IVIg, intravenous immunoglobulin; MCC, MMN Confirmation Committee; MMN, multifocal motor neuropathy; PNS, Peripheral Nerve Society.

^aIVIg dependency parameters are summarized in the key inclusion criteria, full details provided at <https://www.clinicaltrials.gov/study/NCT05225675>. ^bThe length of the monitoring period will depend on an individual's IVIg dose frequency: dosed every 2 weeks—up to 35 days monitoring, dosed every 3 weeks—49 days monitoring, dosed every 4 weeks—63 days monitoring, dosed every 5 weeks—77 days monitoring. ^cDouble-blinded treatment period will begin 7 days after final IVIg administration. Participants will be retreated with IVIg if there is a clinically meaningful deterioration in muscle strength and/or motor function.

1. ClinicalTrials.gov identifier: NCT05225675. Updated July 20, 2023. Accessed April, 2024. <https://www.clinicaltrials.gov/study/NCT05225675>. 2. van der Pol, WL, et al. Poster presented at: NMSG Annual Scientific Meeting; September 22–24, 2023; Orlando, FL.

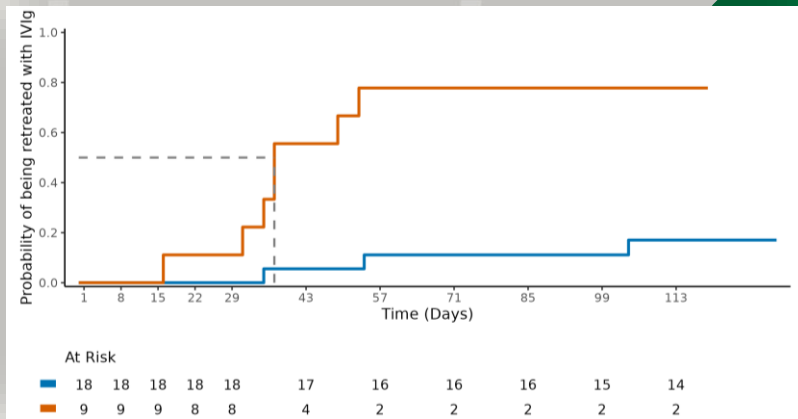
ARDA Study Results

Jeff Guptill /// Neuromuscular Franchise Lead Clinical Development

Empasiprubart Reduced Risk of IVIg Retreatment

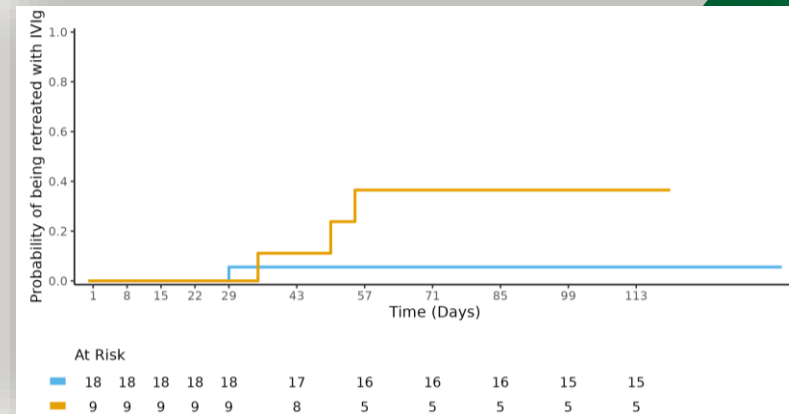


Cohort 1



Reduced risk of IVIg retreatment by **91%**

Cohort 2



Reduced risk of IVIg retreatment by **84%**

■ Empasiprubart ■ Placebo

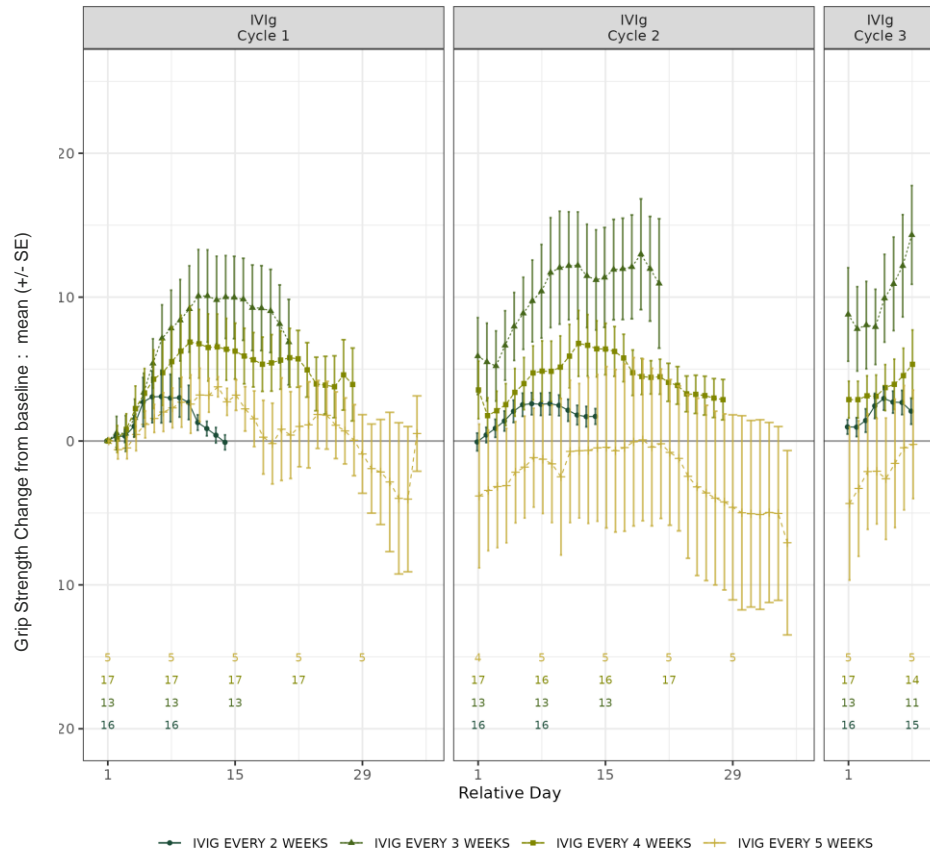


CI, confidence interval; DBTP, double-blinded treatment period; IVIg, intravenous immunoglobulin.

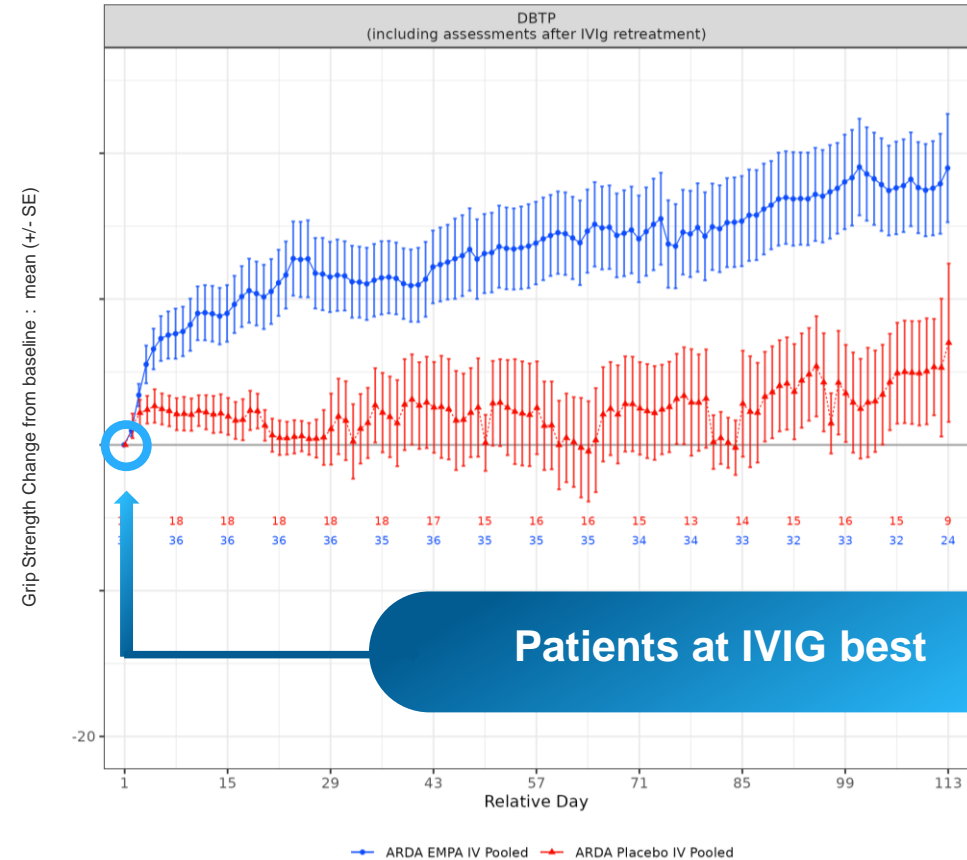
^aTime to first treatment with IVIg is defined as the time from last IVIg administration before randomization (including unscheduled visits) up to the first IVIg retreatment during the DBTP.

Empasiprubarb Improved Grip Strength in Both Hands

IVIg Treatment → Clear Fluctuating Effect



Grip Strength



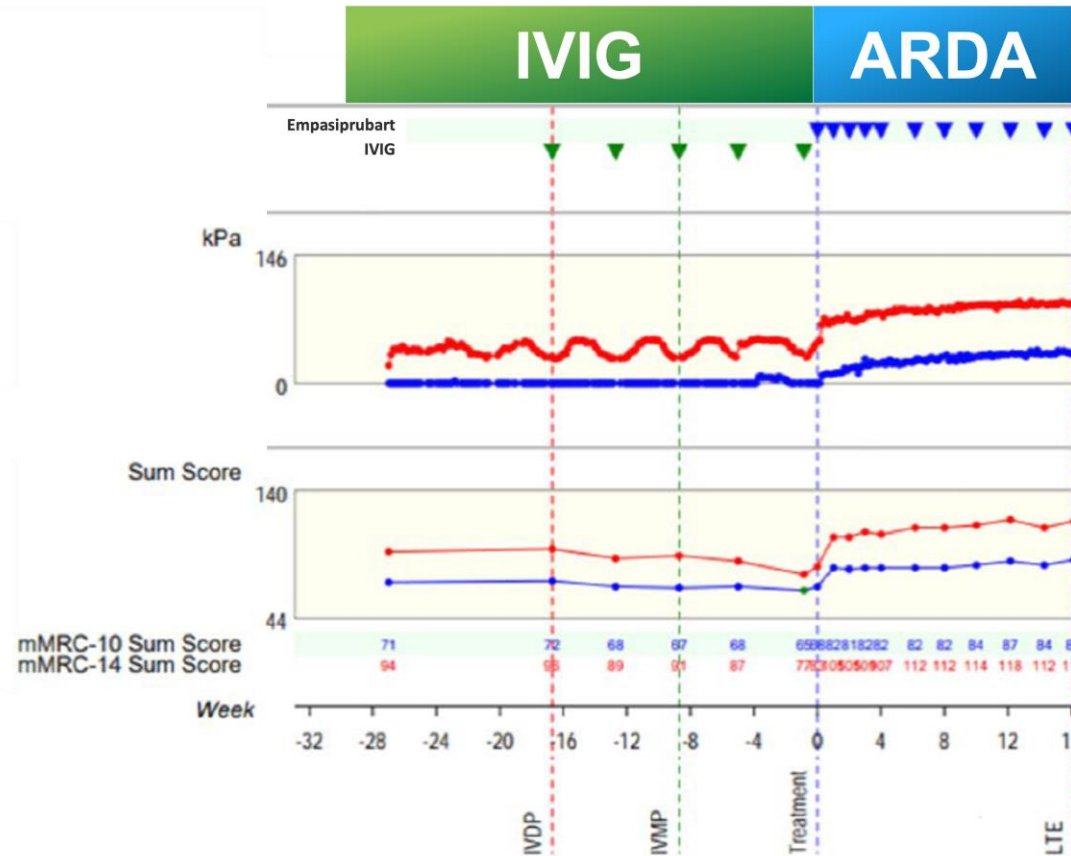
ARDA Participant Journey



Treatment

Grip Strength

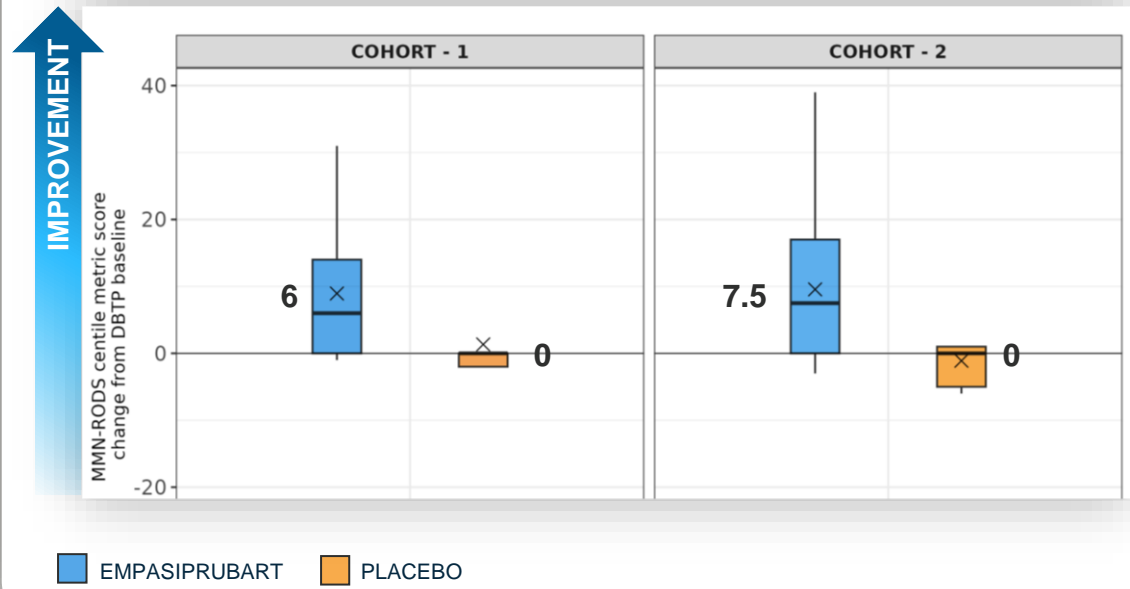
mMRC



Empasiprubart Improved Disease-Specific Activity Limitations Indicating Improvement in Functionality Levels



Change From Baseline of MMN-RODS Score by Treatment Group at Last Assessment During Treatment Period



Are you able to:

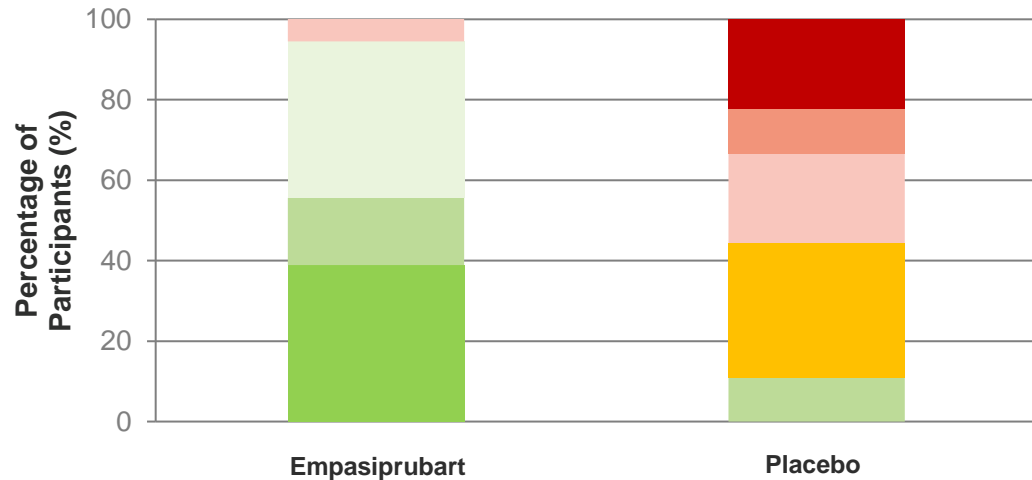
- Read a book?
- Make a telephone call?
- Eat?
- Open and close a door?
- Dress your upper body?
- Brush your teeth?
- Drink out of mug/glass?
- Turn a key in a lock?
- Use knife/fork (spoon)?
- Clean after toilet?
- Fill in a form/write?
- Zip your trousers?
- Get money from cash machine?
- Do your own cooking?
- Pick up small object?
- Work on a computer?
- Do the bed?
- Fold laundry?
- Throw an object (e.g., ball)?
- Slice vegetables?
- Peel an apple/orange?
- Handle small objects (e.g., coin)?
- Tie your laces?
- Clip your finger nails?
- Button your shirt/blouse?

Empasiprubart Treated Patients Feel Better than their Best on IVIG

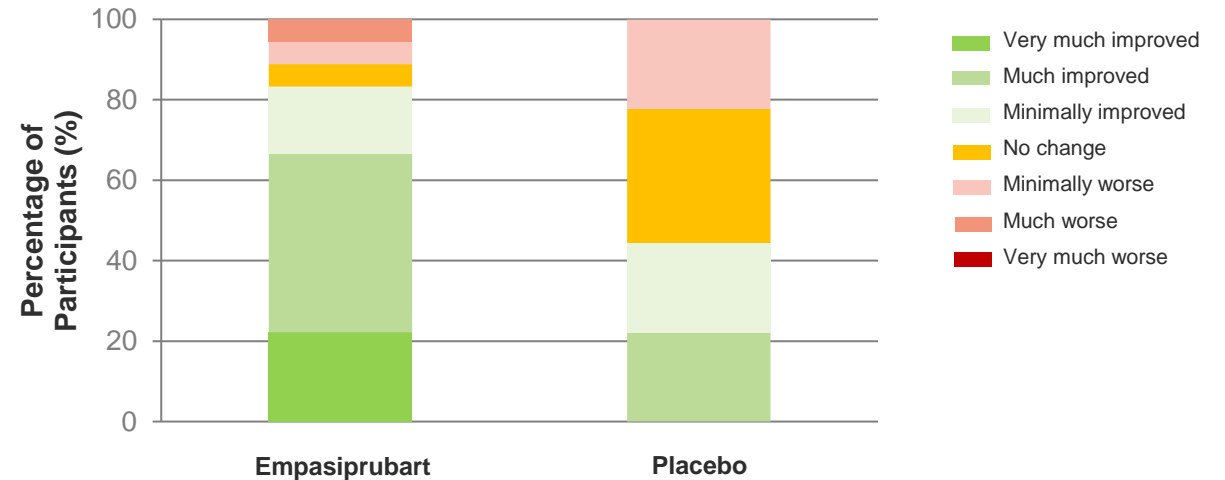
How much has your condition (MMN) changed as compared to the time you received the first treatment in this trial?



Cohort 1 — 94.4% improved



Cohort 2 — 83.3% improved



Consistent improvement observed for each dose of empasiprubart

Patient global impression of change

Path Forward for MMN

**End of Phase 2
Meeting 3Q 2024**

**Phase 3 to Start
in 4Q 2024**

IMMERSION STUDY

Trials Ongoing with Empasiprubart



D G F

Delayed Graft Function



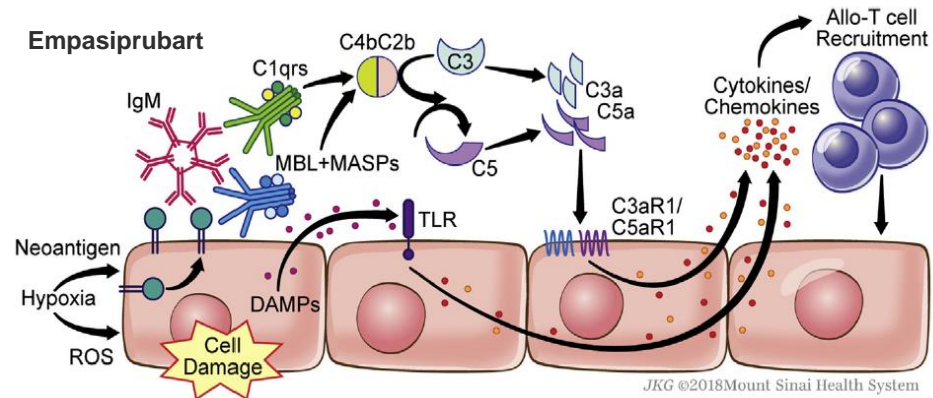
D M

Dermatomyositis

Empasiprubart in Delayed Graft Function After Kidney Transplant

varvara
Delayed Graft Function Study

Biological Rationale



- Complement activation due to damaged endothelial
- Clear involvement of Classical and Lectin Pathways
- Blocking C2 improved kidney function

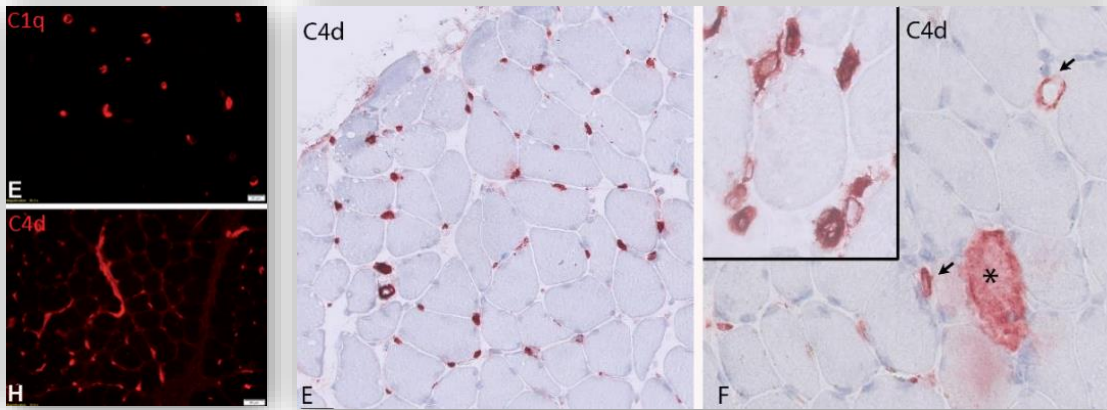
Disease Characteristics

- **40%** occurrence among cold kidney transplants
- Ischemia reperfusion injury (IRI) contributor to DGF
- Short and long-term graft negative effects
- **No current FDA-approved therapies**

Timeline Phase 2 ongoing

Empasiprubarb in Dermatomyositis

Complement Deposition in Biopsies



Disease Characteristics

- **Multifactorial, idiopathic inflammatory myopathy**
- **Progressive and symmetric proximal muscle weakness**
- **IVIg is only approved treatment**

Timeline Phase 2 study planned to start this year

a. Basta et al. 1994; Pytel, Appl Immunohistochem Mol Morphol. 2014 Oct;22(9):696-704; b. Campo et al. 2007; c. Lahoria et al., Brain. 2016 Jul;139(Pt 7):1891-903 d. Emslie-Smith and Engel. 1990; e. Dalakas. 2015.

2. Dalakas et al., Lancet. 2003 Sep 20;362(9388):971-82 ; 3. Dalakas, Nat Clin Pract Rheumatol. 2006 Apr;2(4):219-27; Aggarwal R, Charles-Schoeman C, Schessl J, Dimachkie MM, Beckmann I, Levine T. Medicine (Baltimore). 2021 Jan 8;100(1):e23677

Our Next Pipeline-in-a-Product Asset



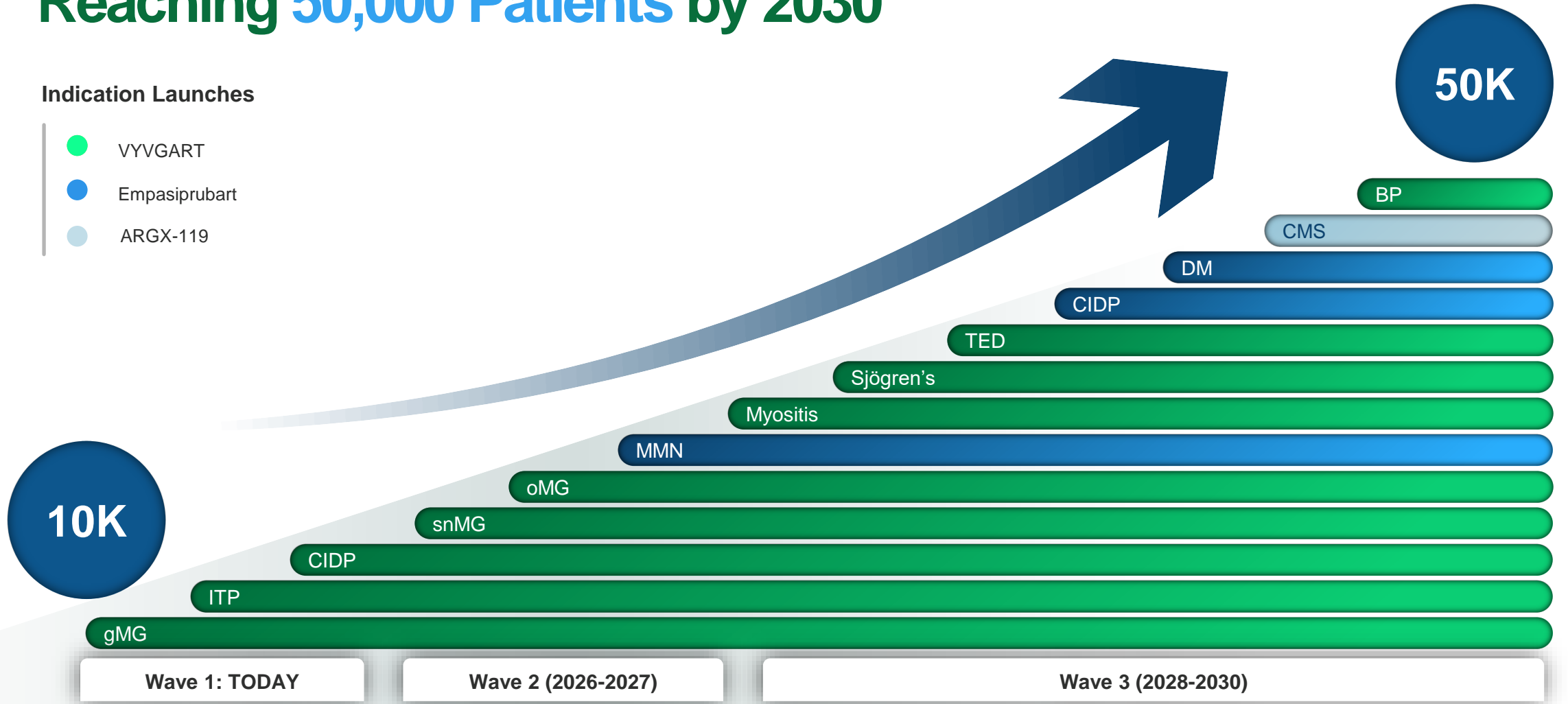
Sustainable Commercial Engine

Karen Massey /// Chief Operating Officer

Reaching 50,000 Patients by 2030

Indication Launches

- VYVGART
- Empasiprubart
- ARGX-119



MG Launch Set Standard on Commercial Excellence

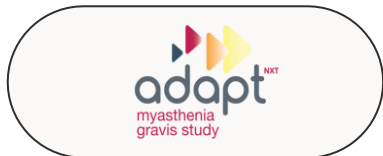
Innovation



Evidence Generation

~50% MSE demonstrated across trials, sustained response across 9 cycles

Meaningful **steroid reduction**



Co-Creation



Empowering Patients

Direct to Consumer engagement

92% Brand awareness

My **VYVGART**® Path

Execution



Speed

>2,700 US prescribers

#1 among advanced biologics

Approved across **3 continents** within one calendar year

>\$1BN in year 2 of launch

9 quarters of growth

>10,000 patients globally

Future Drivers of Growth in MG

Innovation



Evidence Generation



Co-Creation



Empowering Patients

Product Presentations



PFS



Autoinjector

Execution

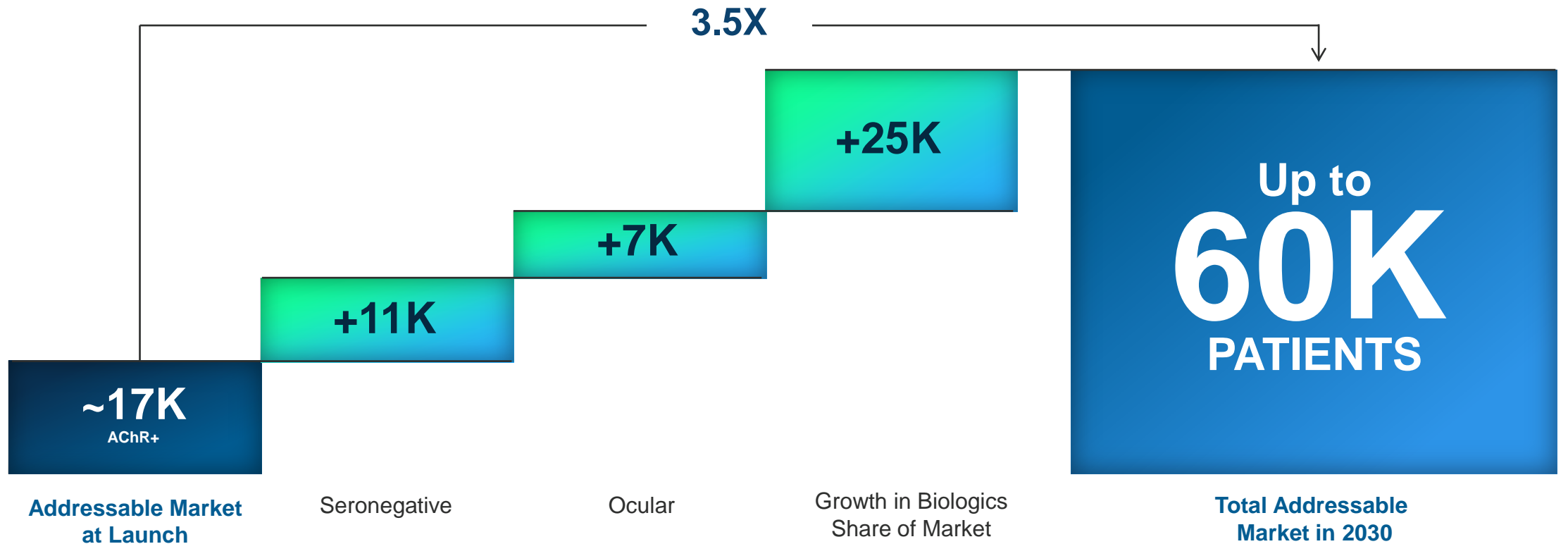


Speed

Global Expansion



Expanding MG Opportunity



VYVGART®

VYVGART® Hytrulo

Innovation Builds Markets: MG Market Dynamics are Similar to MS

Multiple Sclerosis Market

■ Advanced Treatments
■ Legacy Treatments



Over 10+ Year Period... Market Growth was Driven by

Novel mechanisms of action

Multiple launched assets

~15% prevalence increase

More Innovation = More Prescribers, Better Outcomes for More Patients

Early Excitement in CIDP

Rapid Execution



25% of key target physicians
reached in 14 days

First payor policies in principle

Early Adoption

Prescriber breadth and depth
~20% are new to VYVGART

My VYVGART® *Path*

First patients on treatment

MMN: Opportunity to Build a Market

MMN
Today

The argenx
advantage

10K
PATIENTS

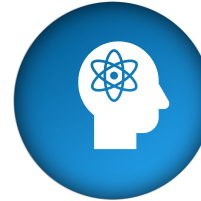
More Innovation =
More Prescribers,
Better Outcomes
For Patients

Innovation



Natural History Study to understand real-world experience

Co-creation



Engagement with patients



Execution



Deep existing neurology relationships

TED and Sjögren's Disease Represent MG Sized Opportunities

Path to Transforming Outcomes with Differentiated Treatments

Thyroid Eye Disease

100K Prevalence

~80K
Chronic
Patients



Limitations of existing therapies,
considering safety and efficacy

Sjögren's Disease

330K Prevalence

~100K
Moderate
to Severe



No currently approved treatments
to target underlying disease

Vision 2030

5

New Molecules
in Phase 3

10

Labeled
Indications

50k

Patients on
Treatment

COMMITMENT TO OUR TRANSFORMATION MISSION

Continuous Pipeline of
Innovation

Leadership in FcRn

Disciplined Scaling



**Innovation has no
meaning unless it
reaches patients and
provides real benefit**

argenx 