

Delivering the Future of Genomic Medicines

March 2025

Forward-Looking Statements and Legal Disclaimers

This presentation, and accompanying oral commentary, contains forward-looking statements regarding our current expectations. These forward-looking statements include, without limitation, statements relating to: the therapeutic and commercial potential and value of our product candidates and engineered capsids, including the ability of our zinc finger epigenetic regulators to address various neurological diseases and our capsid engineering platform to expand delivery beyond currently available methods; potential STACTM-BBB partnerships; the potential to develop, obtain regulatory approvals for and commercialize durable, safe and effective therapies to treat certain diseases and the timing, availability and costs of such therapies; the potential to use ZF, SIFTER and other technologies to develop durable, safe and effective therapies and capsids; the potential for us to benefit and earn development and commercial milestone and royalty payments from our collaborations and the timing of any such benefits and payments; plans for the near-term execution of a Fabry commercialization license agreement; anticipated revenues from existing and new collaborations and the timing thereof; plans and expectations to seek partners or collaborators for certain of our programs; the potential for isaralgagene civaparvovec to qualify for the FDA's Accelerated Approval program, including the adequacy of data generated in the Phase 1/2 STAAR study to support any such approval; expectations concerning the availability of additional data to support a potential BLA submission for isaralgagene civaparvovec. and the timing of such submission; the potential to accelerate the expected timeline to approval and bring isaralgagene civaparvovec to patients sooner than previously expected; the anticipated advancement of isaralgagene civaparvovec to registration; the advancement of our preclinical neurology programs, including the potential of ST-503 to transform the chronic neuropathic pain landscape, plans to initiate patient enrollment and dosing for ST-503 and announcement of such preliminary proof of efficacy data, and anticipated prion disease CTA submission and announcement of related preliminary clinical data; plans regarding our financial resources, including the impact of a potential Fabry commercialization license agreement to provide cash runway through clinical data readouts for lead neurology programs, iSFN and prion disease; plans to reduce our operating expenses; the impact of our streamlined structure and future potential cost reductions, anticipated plans and timelines for us and our collaborators conducting our ongoing and potential future clinical trials and presenting data from our clinical trials and those of our partners and making regulatory submissions; the anticipated advancement of our product candidates to late-stage development, including potential future registrational trials, execution of our corporate strategy, our pipeline, the identification of additional targets, and the advancement of preclinical programs to the clinic, key milestones and catalysts, and other statements that are not historical fact. These statements are not guarantees of future performance and are subject to certain risks and uncertainties that are difficult to predict. Our actual results may differ materially and adversely from those expressed. Factors that could cause actual results to differ include, without limitation, the uncertain and costly research and development process, including the risk that preclinical results may not be indicative of any future clinical trials, to the effects of macroeconomic factors or financial challenges, including as a result of ongoing overseas conflicts, tariffs, geopolitical instability, inflation and fluctuations in interest rates on the global business environment, healthcare systems and business and operations of us and our collaborators, including the initiation and operation of clinical trials; the research and development process; the uncertain timing and unpredictable results of clinical trials, including whether preliminary or initial clinical trial data will be representative of final clinical trial data and whether final clinical trial data will validate the safety, efficacy and durability of product candidates; the impacts of clinical trial delays, pauses and holds on clinical trial timelines and commercialization of product candidates; the unpredictable regulatory approval process for product candidates across multiple regulatory authorities; the potential for Sangamo to cease development of the Hemophilia A program, whether due to its inability to secure options to bring the program forward or otherwise; the manufacturing of products, product candidates and capsids; the commercialization of approved products; the potential for technological developments that obviate technologies used by us and our collaborators; the potential for us or our collaborators to breach or terminate collaboration agreements; the potential for us to fail to realize our expected benefits of our collaborations; the uncertainty of our future capital requirements, financial performance and results, our lack of capital resources to fully develop, obtain regulatory approval for and commercialize our product candidates, including our ability to secure collaboration for some of our programs, our ability to secure the funding required to advance our preclinical programs in a timely manner or at all; and our lack of capital resources and need for substantial additional funding to execute our operating plan and to operate as a going concern, including the risk we will be unable to obtain the funding or partnerships, in particular for our Fabry disease program, or additional collaboration partners necessary to advance our preclinical and clinical programs and to otherwise operate as a going concern in which case we may be required to cease operations entirely, liquidate all or portion of our assets and/or seek protection under applicable bankruptcy laws middle all or a portion of out. There can be no assurance that we and our collaborators will be able to develop commercially viable products. These risks and uncertainties are described more fully in our Annual Report on Form 10-K for the fiscal year ended December 31, 2024, as filed with the Securities and Exchange Commission ("SEC") and future reports filed with the SEC. Forward-looking statements contained in this presentation speak only as of the date hereof, and we undertake no duty to update such information except as required under applicable law. This presentation concerns investigational product candidates that are under preclinical and/or clinical investigation, and which have not yet been approved for marketing by any regulatory agency. They are currently limited to investigational use, and no representations are made as to their safety or efficacy for the purposes for which they are being investigated. Any discussions of safety or efficacy are only in reference to the specific results presented here and may not be indicative of an ultimate finding of safety or efficacy by regulatory agencies.



Sangamo is a differentiated genomic medicine company focused on treating debilitating neurological diseases

Sangame THERAPEUTICS



Potent zinc finger epigenetic regulation technology, with neurology programs advancing towards the clinic



Industry-leading AAV capsid discovery platform

has demonstrated noninvasive intrathecal and intravenous delivery to the brain



Powerful research platform continually innovates in new modes of genome modulation to support value creation opportunities for both wholly owned programs and potential partners



Strong roster of current partners and a clear regulatory pathway to Accelerated Approval agreed with U.S. FDA in Fabry disease, with partner negotiations ongoing

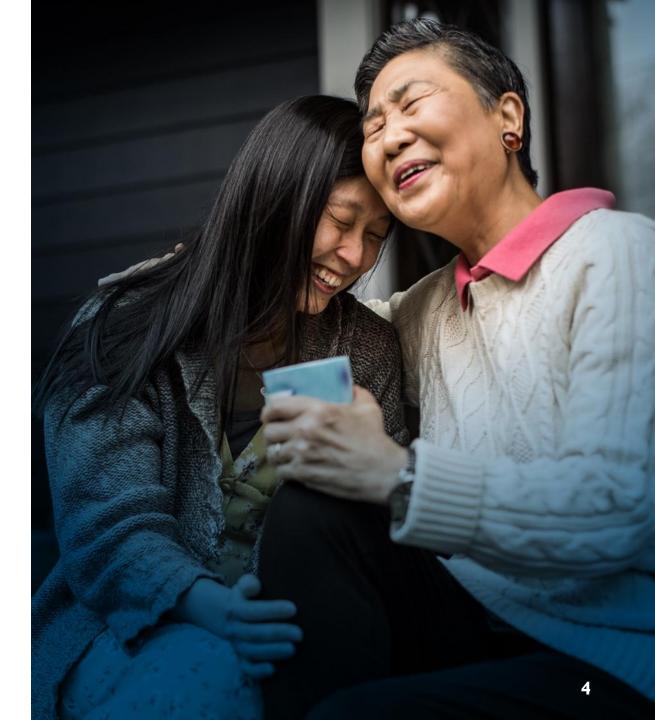
SHARP STRATEGIC FOCUS IN NEUROLOGY

OPTIMIZING ASSET VALUE

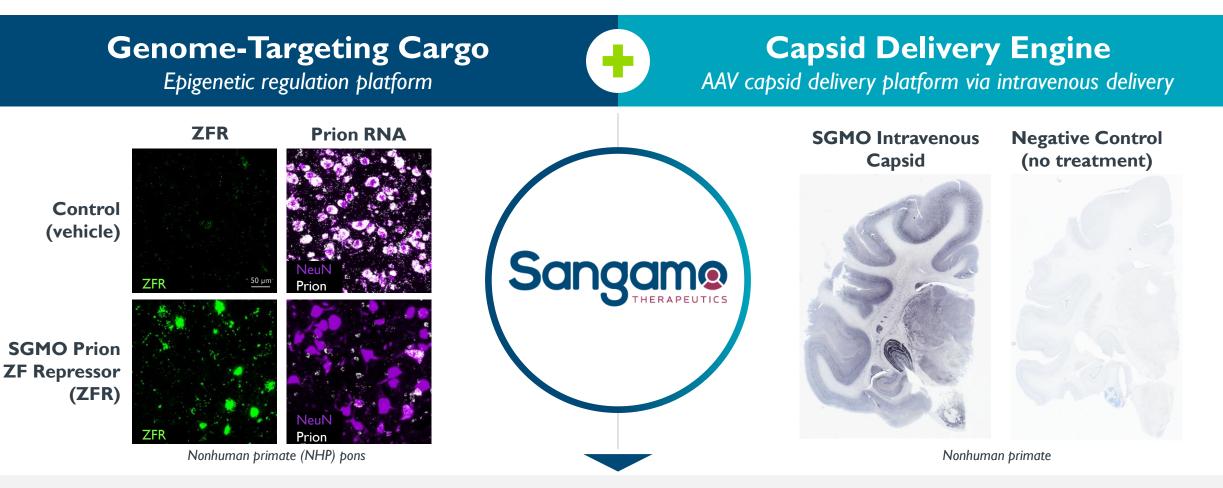


Why neurology genomic medicines?

- Widespread, debilitating diseases, largely unserved by current approaches
- Many neurology indications are single-gene or geneassociated
- Genomic medicines are well suited to neurology:
 - Targeting diseases at the DNA level reduces therapeutic complexity
 - Gene expression can be fine-tuned to the level needed for proper brain function
 - Potential for durable effect as most brain cells do not divide
- Addressing the issues of widespread brain delivery is critical to creating an effective neurology medicine



Sangamo pairs the epigenetic regulation *and* capsid delivery capabilities needed to create neurology genomic medicines



Future of Neurology Genomic Medicines



Company pipeline and business development opportunities

NEUROLOGY PIPELINE - WHOLLY OWNED Indication Preclinical Phase 1/2 Partner Commentary Pivotal IND cleared, patient enrollment and dosing planned **Idiopathic Small Fiber Neuropathy** mid-2025. (ST-503) **Prion Disease** CTA submission anticipated in QI 2026 Undisclosed neurology target(s) **NEUROLOGY PIPELINE – PARTNERED** Partnered Indication Preclinical Phase 1/2 Commentary Pivotal Partner Genentech **Tauopathies** August 2024: Announced epigenetic regulation and capsid delivery license agreement Genentech ١ Undisclosed neurology target December 2024: Announced capsid license astellas Undisclosed neurology target agreement for up to five neurological diseases ALS/FTD {(**§**)} ALEXION' {(**§**)} Huntington's Disease Takeda **OTHER PROGRAMS** Indication Preclinical Phase I/2 **Pivotal** Commentary Partner **Pfizer Hemophilia A** (Giroctogene fitelparvovec) July 2024: Positive readout in Phase 3 AFFINE trial. *until April 21, 2025 Oct 2024: Agreed Accelerated Approval pathway **Fabry Disease** (Isaralgagene civaparvovec)

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Cargo 💭 Capsid

IND: Investigational New Drug; CTA: Clinical Trial Authorisation; BLA: Biologics License Application 6 Wholly owned programs subject to our ability to secure adequate additional funding

with FDA. BLA submission expected 2H 2025.

Gateway neurology indication: ST-503 for chronic neuropathic pain



Epigenetic regulation

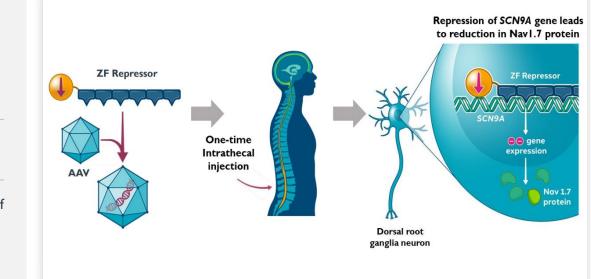
has the potential to fundamentally reshape the treatment of chronic intractable pain, which impacts millions globally, with few adequate treatment options

KEY ANTICIPATED MILESTONES

Q4 2024: IND cleared by FDA

Mid-2025: Initiate patient enrollment and dosing

Q4 2026: Preliminary proof of efficacy data



- Starting in **idiopathic small fiber neuropathy (iSFN),** a debilitating chronic neuropathic pain impacting **43,00 in the U.S.**
- NavI.7 sodium channel, encoded by the SCN9A gene, is involved in a spectrum of inherited neuropathies
- Engineered ZFR resulted in ~70% repression of SCN9A gene and reduced pain hypersensitivity in mice, with high level of Nav1.7 specificity
- Intrathecal delivery of ZFR in NHPs by AAV9 demonstrated up to 60% repression of SCN9A in dorsal root ganglia (DRG) tissue
- **Short timescale** to expected preliminary clinical efficacy readout
- **Gateway pain indication:** if successful, ST-503 could be broadened to other types of chronic neuropathic pain e.g. trigeminal neuralgia

Gateway neurology indication: Prion disease



Clear path

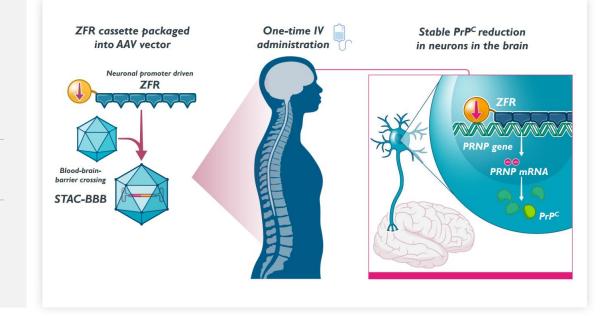
to potential clinical validation in a devastating disease with no current approved treatment options

KEY ANTICIPATED MILESTONES

QI 2026: Prion CTA submission

Mid-2026: Clinical trial enrollment and dosing

Q4 2026: Preliminary clinical data



- Progressive condition leading to rapid neurodegeneration and death, with no disease modifying therapy
- > At least 1,300 new cases each year in U.S. and Europe*
- Caused by the **misfolding of the prion protein (PrP)** into toxic species
- > ZFR-driven reduction of neuronal PrP expression in prion-inoculated mice profoundly extended survival, reduced PrP in the brain and improved biomarker and behavioral readouts
- Widespread ZFR expression and prion gene repression seen in NHP brains following intravenous (IV) STAC-BBB administration
- First-in-human trial of novel STAC-BBB capsid, which if successful, could validate broader neurology pipeline

Widespread CNS delivery is challenging with conventional AAVs

Our capsid engineering platform has demonstrated the ability to expand delivery, with industryleading results



STAC-BBB

Showed robust penetration of the BBB and widespread transgene expression throughout the brain in NHPs following intravenous administration **STAC-BBB** (Nuclear-localized GFP)

Negative control (no AAV treatment)



2e13 vg/kg STAC-BBB, 19 days post administration

- Enabled strong expression of zinc-finger cargo throughout the brain, including all key brain regions
- **Industry-leading** performance: **700-fold higher** transgene expression than benchmark capsid AAV9
- Capsid-enabled delivery of zinc finger payloads targeting prion disease and tauopathies resulted in widespread repression of target genes
- > Vector genomes were enriched in the CNS and appear de-targeted from the DRG and the liver
- STAC-BBB is already the subject of **two blue-chip pharma agreements** (Genentech and Astellas), with a third potential license agreement in advanced negotiations

Biopharma agreements have demonstrated industry interest in STAC-BBB and could provide significant economics for Sangamo

STAC-BBB partnerships **Genentech** A Member of the Roche Group



In advanced negotiations for a third potential STAC-BBB license agreement

Numerous Benefits of Partnerships:

Partner buy-in validates the science

Provides potential non-dilutive capital to advance pipeline

\$70m cash received from partners to date Up to \$3.2b in potential future milestones and exercise fees assuming exercise of all options and targets Additional potential product royalties Leverages partner domain expertise

Promotes optimal resource allocation to advance late-stage clinical development



Company Highlights



Advancing epigenetic regulation for important gateway neurology diseases like chronic neuropathic pain and prion disease, with preliminary clinical data anticipated in Q4 2026 for both



Proprietary AAV blood-brain barrier penetrant capsid (STAC-BBB) with industry leading CNS tropism in NHPs. Already the subject of license agreements with Genentech and Astellas, with a third potential license agreement in advanced negotiations.



STAC-BBB potentially unlocks multiple neurology epigenetic programs that could be advanced ourselves or with partners



Novel next-generation modular integrase (MINT) platform allows targeting of a serine recombinase engineered to enable large-scale genome editing



Fabry program generating compelling Phase 1/2 clinical data. Clear pathway to Accelerated Approval with FDA, with potential BLA submission in 2H 2025 (3-year acceleration). Engaged in potential commercialization partner negotiations.



4Q24 Business Updates

4Q24 Key Takeaways

Announced capsid license agreement with Astellas to deliver genomic medicines for up to five neurological disease targets



Received \$20 million in upfront license fees for first target and eligible to earn up to \$1.3 billion in additional licensed target fees and milestone payments, plus tiered royalties on potential net sales.

Neurology Pipeline

- IND application cleared by FDA for ST-503 for treatment of intractable pain due to idiopathic small fiber neuropathy (iSFN), a type of chronic neuropathic pain.
- Expect to commence patient enrollment and dosing for ST-503 in mid-2025, with preliminary proof of efficacy data anticipated in Q4 2026.
- CTA enabling activities continue to advance for prion disease, with a submission expected in IQ26.
- Published a manuscript in bioRxiv demonstrating nonclinical proof of concept for prion disease.
- Engaged in advanced contract negotiations for a third potential STAC-BBB license agreement.

Fabry Disease

- Announced updated Phase I/2 STAAR study data that showed sustained benefit, improvements in kidney function and favorable safety profile.
- Positive mean eGFR slope of 3.061 mL/min/1.73m2/year was observed in the 23 patients who had reached at least one-year follow-up, indicating notable improvements in renal function.
- The 52-week eGFR slope data from all enrolled patients in the Phase 1/2 STAAR study will be available in the first half of 2025. A potential BLA submission is anticipated in the second half of 2025.



Financial Highlights

- Received from Astellas a \$20 million upfront license fee. Eligible to earn up to \$1.3 billion in additional licensed target fees and milestone payments, plus tiered royalties on net sales.
- Approximately \$41.9 million in cash and cash equivalents as of December 31, 2024, which, together with \$10.1m in funds generated to-date through our atthe-market offering program in 2025, and the \$5.0 million payment expected from Pfizer by the end of March, will be sufficient to fund our planned operations into the middle of the second guarter of 2025.





Q4 Pipeline Progress & Anticipated Milestones

CORPORATE UPDATES

- ✓ Announced capsid license agreement with Astellas to deliver genomic medicines for up to five neurological disease targets. Received a \$20 million upfront license fee.
- Engaged in advanced contract negotiations for a third potential STAC-BBB license agreement.
- Announced Sangamo is scheduled to regain full rights to giroctocogene fitelparvovec for the treatment of Hemophilia A, following a decision by Pfizer to terminate the global collaboration and license agreement.

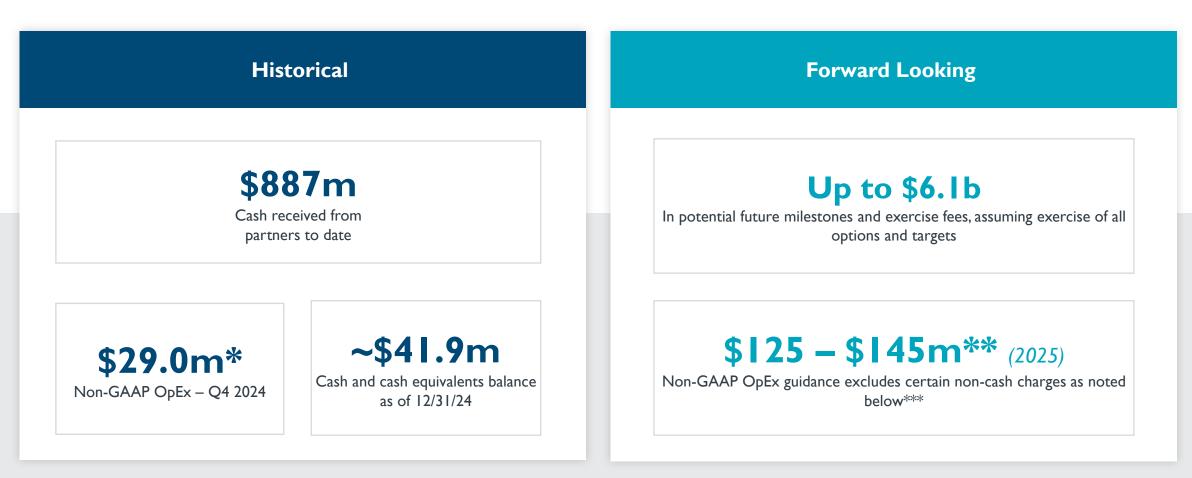
NEUROLOGY

- ✓ IND application cleared by the FDA for ST-503, an investigational epigenetic regulator for the treatment of intractable pain due to iSFN, a type of chronic neuropathic pain.
- Expect to comment patient enrollment and dosing for ST-503 in mid-2025.
- Preliminary ST-503 proof of efficacy data anticipated in Q4 2026.
- ✓ Continued to advance CTA-enabling activities for prion disease, leveraging STAC-BBB.
- ✓ Published a manuscript in bioRxiv showing that a single intravenous infusion of the ZFR significantly reduced expression of prion mRNA and protein in the mouse brain, extended mouse survival and improved molecular, histological and behavior readouts – even when administered post-symptomatically to mice with prion disease.
- A CTA submission for prion is expected in Q1 2026.
- Preliminary prion clinical data anticipated in Q4 2026.

FABRY DISEASE

- ✓ Presented updated Phase 1/2 STAAR study data at the WORLDSymposium showing sustained benefit, improvements in kidney function and a favorable safety profile.
- \checkmark Elevated expression of α -Gal A activity maintained for nearly four years for the longest treated patient.
- ✓ Positive mean eGFR slope of 3.061 mL/min/1.73m2/year (95% confidence interval: 0.863, 5.258) was observed in the 23 patients who had reached at least one-year follow-up.
- ✓ Clear regulatory pathway to Accelerated Approval from FDA using data from ongoing Phase 1/2 STAAR study.
- 52-week eGFR slope data from all Phase I/2 STAAR study patients will be available in the first half of 2025.
- A potential BLA submission is anticipated in the second half of 2025.

We have focused resources and reduced OpEx by ~45% year-on-year. We expect 2025 OpEx to be in the same range as 2024.





* On a GAAP basis, the Q4 2024 operating expenses were \$33.5 million which included depreciation and amortization of \$1.2 million and stock-based compensation expense of \$3.3 million.

** Assuming adequate additional funding.

*** On a GAAP basis we expect our 2025 operating expenses to be in the range of \$135 - \$155 million, including depreciation and amortization of \$3 million and stock-based compensation expense of \$7 million.

Engineering Versatile Zinc Finger Payloads for Neurology

Sangamo has the tools needed to advance a next-generation neurology genomic medicine company



Potent Zinc Finger Cargo

Level of potency is precisely customizable to the indication being targeted



Small Size. Easily Packaged.

Zinc fingers can be easily packaged into viral vectors



Versatility and Exquisite Specificity

We believe any gene in the genome is targetable for up- or down-regulation



Powerful AAV Delivery Platform

Widespread zinc-finger 'cargo' delivery – via both intravenous AND intrathecal delivery



All Human Derived

Potentially avoids issues with immunogenicity

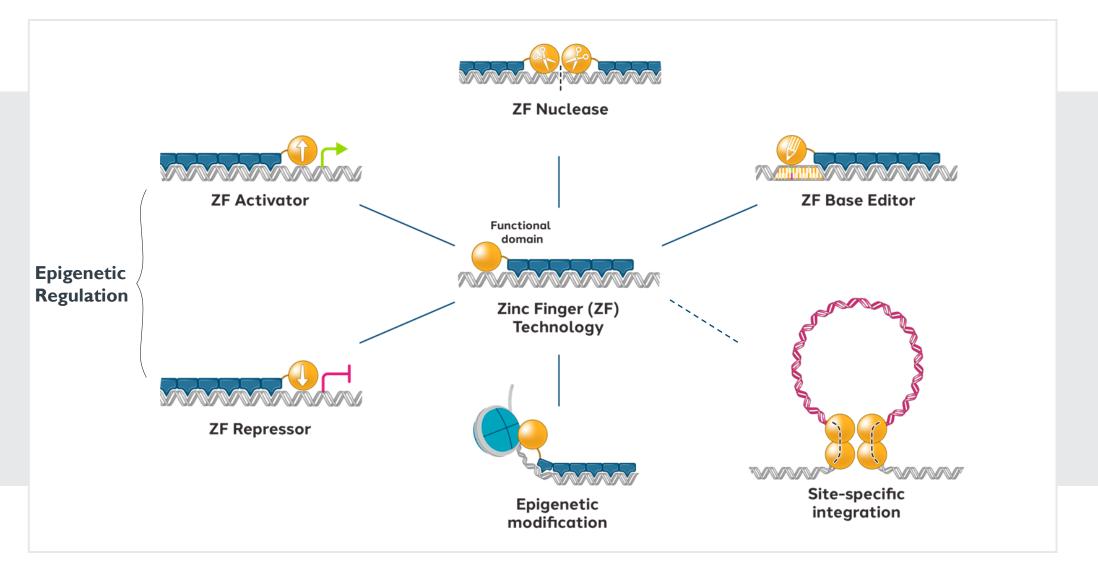


Potentially Industry Leading CNS Tropism

Robust penetration of the blood-brain barrier and widespread brain distribution in NHPs

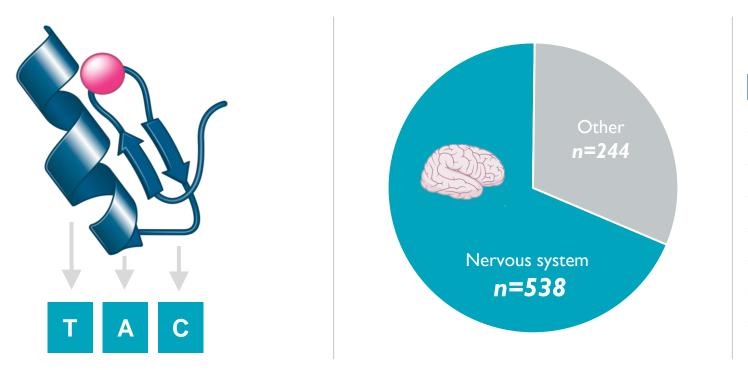


Sangamo's differentiated genomic engineering platform is flexible, creating specific tools for the needs of each target





Zinc finger epigenetic regulators are the ideal cargo for neurology-focused genomic medicines



		Comment	
	ZFR/ZFA	ASO	CRISPR
Single administration	\odot	\bigotimes	\odot
Human derived	\odot	\bigotimes	\otimes
Target any sequence	\odot	\bigotimes	\otimes
Cell-type specificity	\odot	\bigotimes	Θ
Compact / multiplexing	\odot	\odot	\otimes
Supplement with cDNA	\odot	\bigotimes	\otimes
All RNA / protein forms	\odot	\odot	\odot
Allele specific	\odot	\otimes	Θ

Zinc Fingers are natural proteins that bind DNA with high specificity

n=782 C2H2 ZF-containing genes Sources: Ensembl human genes; GTEx: CNS (>5 TPM) ASO: antisense oligonucleotide

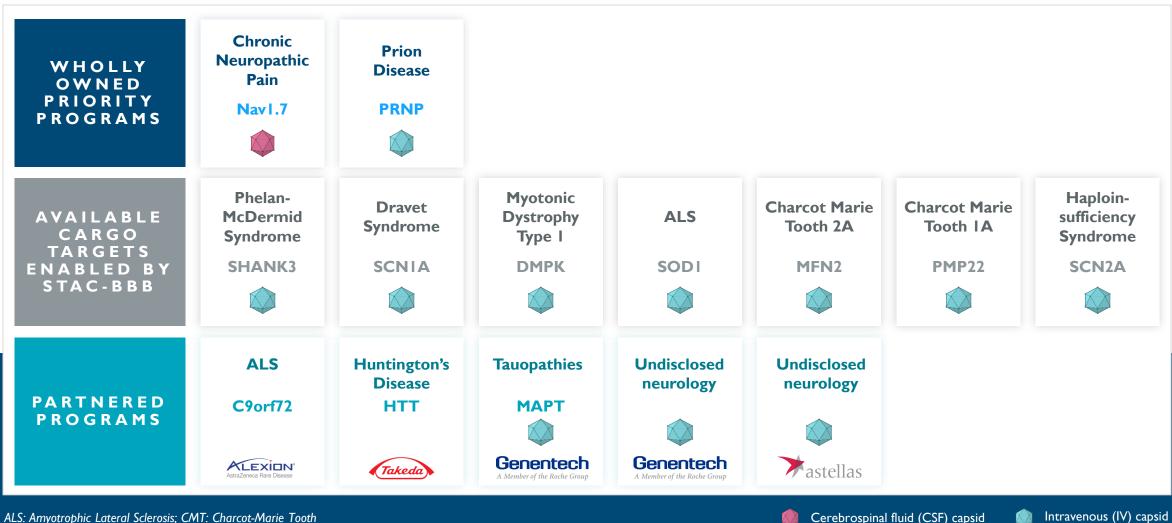
Sangame

At least 782 human genes encode Zinc Finger Proteins

Most regulate the epigenetic state of other genes

Zinc fingers are differentiated in key therapeutic features for potentially treating neurologic diseases

Sangamo's neurology portfolio provides opportunities for wholly owned program advancement and potential partnering opportunities



ALS: Amyotrophic Lateral Sclerosis; CMT: Charcot-Marie Tooth



Epigenetic regulation to address chronic neuropathic pain

The urgent need for novel chronic neuropathic pain therapeutics



Epigenetic regulation

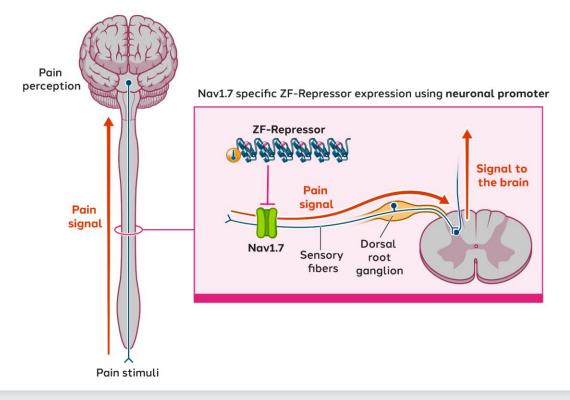
has the potential to fundamentally reshape the treatment of intractable pain



- ST-503 is an **investigational epigenetic regulator** for the treatment of **intractable**, **chronic neuropathic pain**
- > Peripheral neuropathies are estimated to affect ~40 million Americans
- Our **first study** assesses ST-503 in **idiopathic small fiber neuropathy** (iSFN), a type of chronic neuropathic pain
- iSFN is a chronic, highly debilitating pain syndrome, with an estimated prevalence of at least
 43,000 patients in the U.S
- \triangleright
- **High unmet medical need**, with insufficient current treatment options (anticonvulsants, opioids and topical therapies)
 - Short timescale to expected clinical efficacy readout
- Gateway indication: if successful, ST-503 could be broadened to other types of chronic neuropathic pain

Targeting the Nav1.7 pathway at the DNA level, we seek to succeed where others have failed

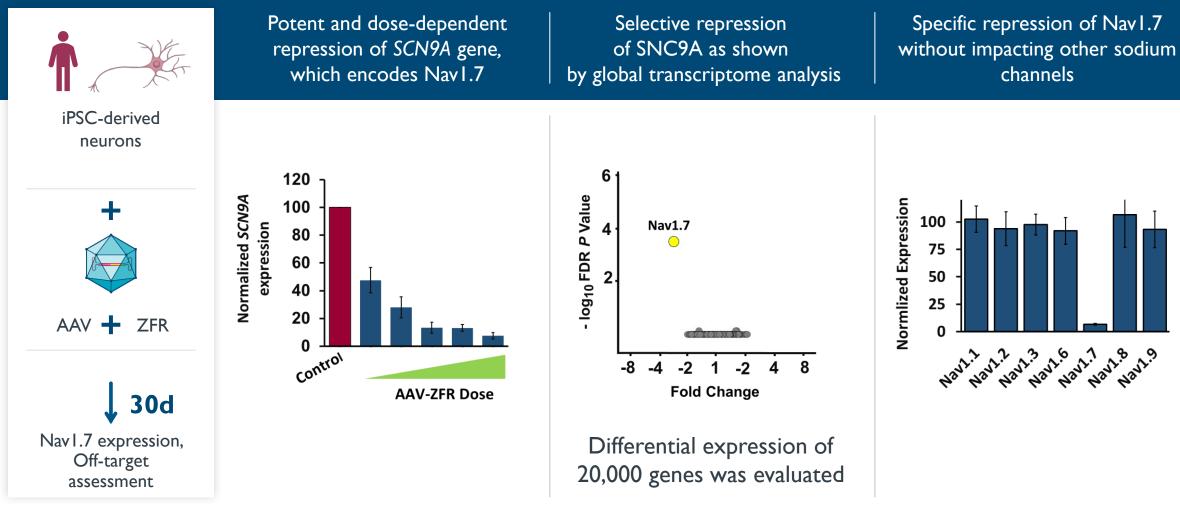
ST-503 targets a gene validated by human genetics and leverages an AAV delivery capsid already in the clinic



- A significant body of evidence implicates **sodium channels** in mediating the **pathophysiology of neuropathic pain**
- Nav1.7 is a voltage gated sodium channel expressed in the Dorsal Root Ganglion (DRG)
- Blocking NavI.7 in the DRG is expected to prevent the **transmission of nociceptive pain signals** to the brain
- This allows us to target multiple **neuropathic pain indications**, regardless of the cause of the pain
- Reducing pain by inhibiting Nav1.7 is not predicted to be associated with **any neurological side effects**
- Administered **intrathecally via AAV9**, a well-established, welltolerated capsid

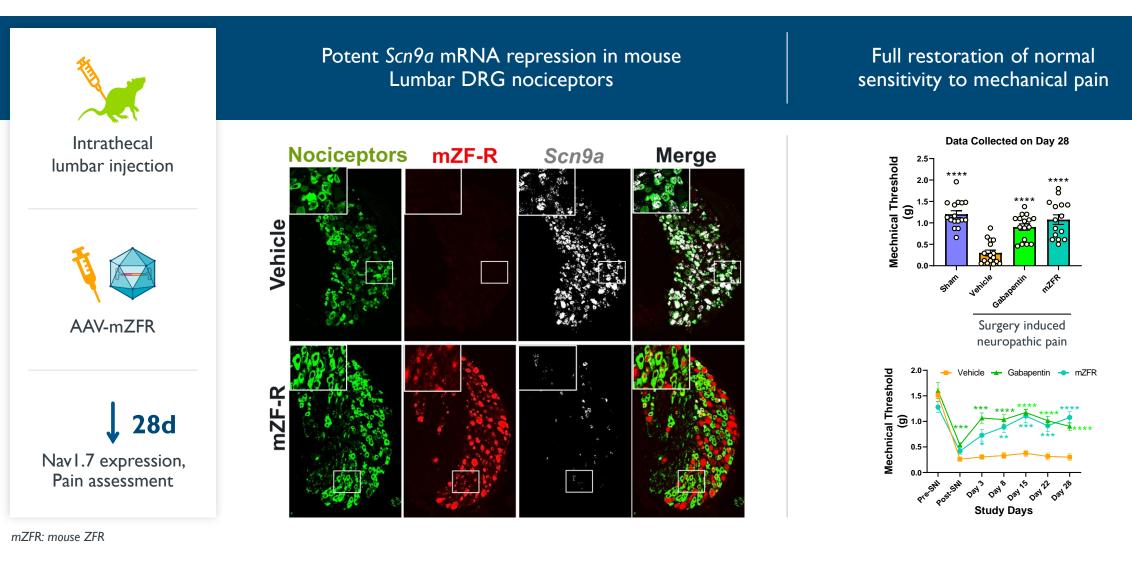


Zinc finger repressors potently reduced Nav1.7 in human neurons with high level of specificity



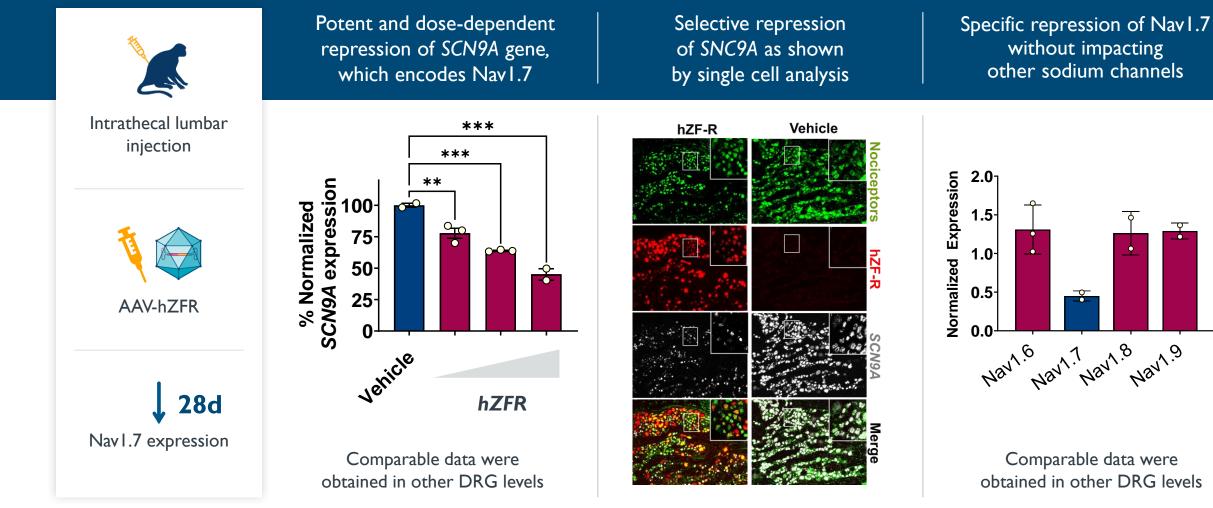
Data presented at ASGCT 2023

Nav1.7 repressor reversed neuropathic pain in preclinical mouse models





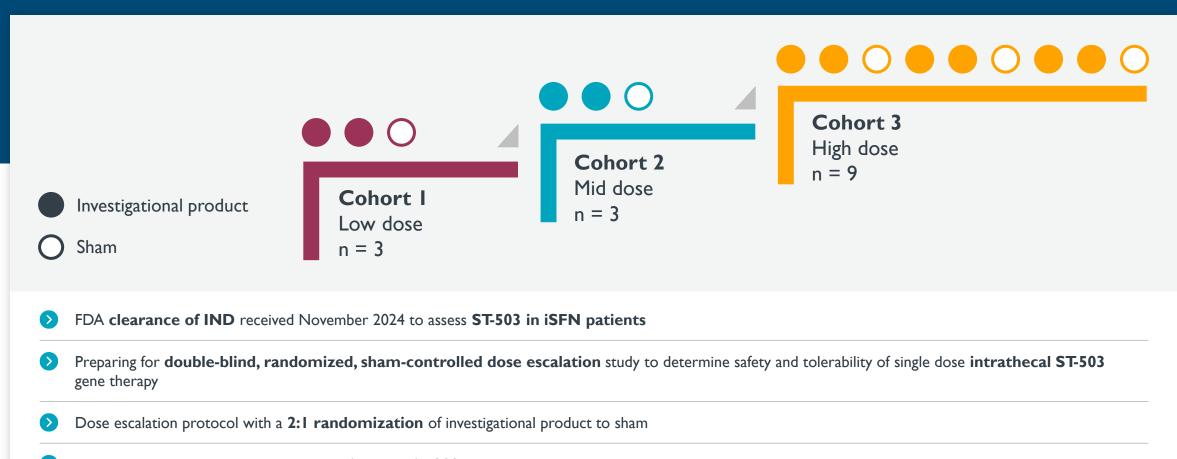
Potent and selective repression of SCN9A observed in NHPs, with no clinical signs of toxicity or adverse clinical pathology



hZFR: human ZFR

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Clinical study preparations are advancing, with preliminary proof of efficacy data anticipated in Q4 2026



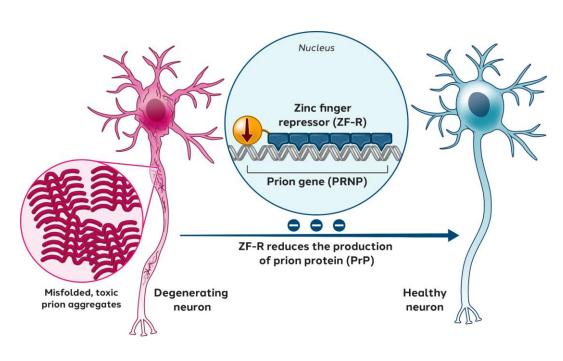
- > Plan to initiate patient enrollment and **dosing by mid-2025**
- Anticipate preliminary **proof of efficacy data in Q4 2026**



Epigenetic regulation to address prion disease, leveraging STAC-BBB

Prion disease is rapidly progressive and always fatal

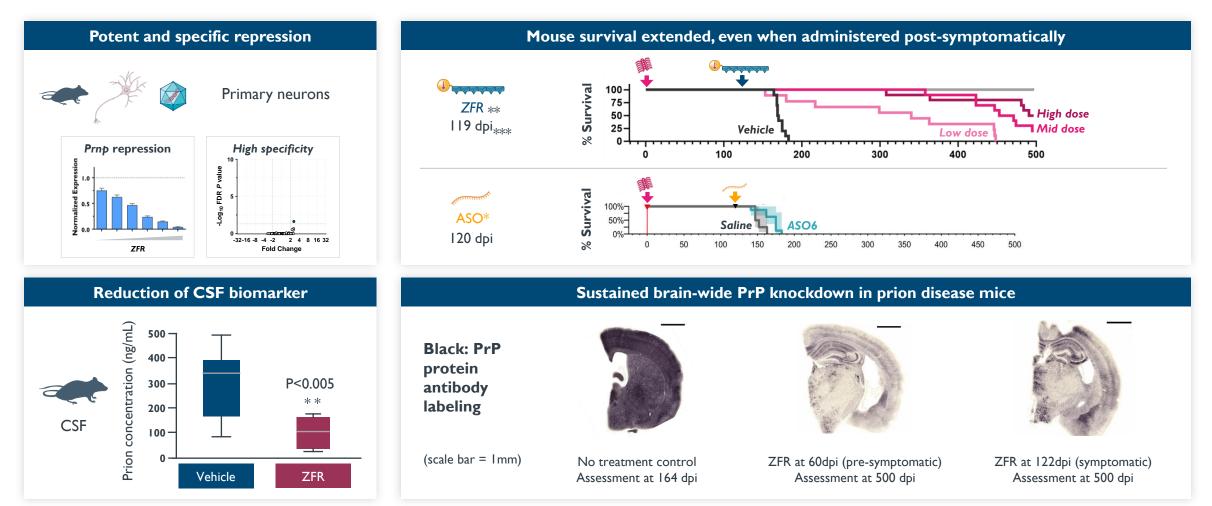
Path to potential clinical validation in a devastating disease with no current approved treatment options



- Progressive condition, with **no disease modifying therapy**
- Caused by the misfolding of the prion protein (PrP) into toxic species, **leading to neurodegeneration and death**
- At least 1,300 new cases each year in U.S. and Europe*
- Sporadic, inherited and acquired forms
- Well-defined patient population
- Excellent fit for a zinc finger repression approach
 - Prion knockout animals do not get disease
 - Prion reduction can delay disease
- Repression of prion expression in the brain should slow or halt disease progression and neurodegeneration
- **First-in-human** trial of **STAC-BBB** capsid, which if successful, could validate broader wholly owned and partnered programs



Zinc finger repressors extended survival in a mouse model of aggressive prion disease, even when administered post-symptomatically



* Antisense oligonucleotide (ASO) data from Minikel et al 2020 ** ZFR administered intravenously using PHPB capsid *** dpi: days post inoculation

Data presented at ASGCT 2023, Prion 2024

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STAC-BBB demonstrated widespread and robust expression throughout the nonhuman primate brain

	STAC-BBB (Nuclear-localized GFP)	Negative control (no AAV treatment) – No signal	
Grey matter (cell bodies) White matter (nerve fibers)			<section-header><text><text><text></text></text></text></section-header>
	2e13 vg/kg STAC-BBB, 19 days post administration		



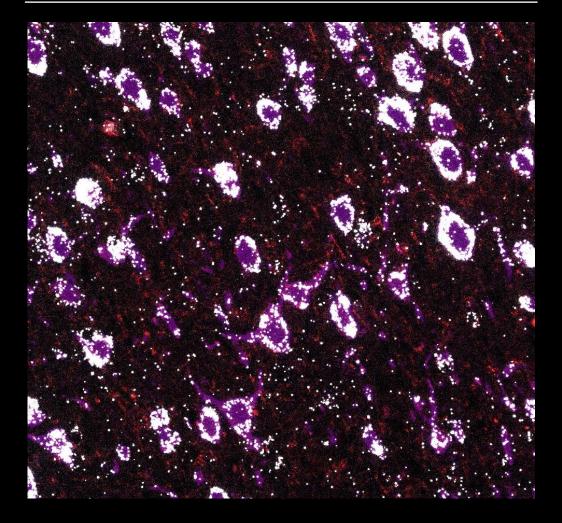
STAC-BBB mediated ZFR expression and Prion repression in the NHP brain

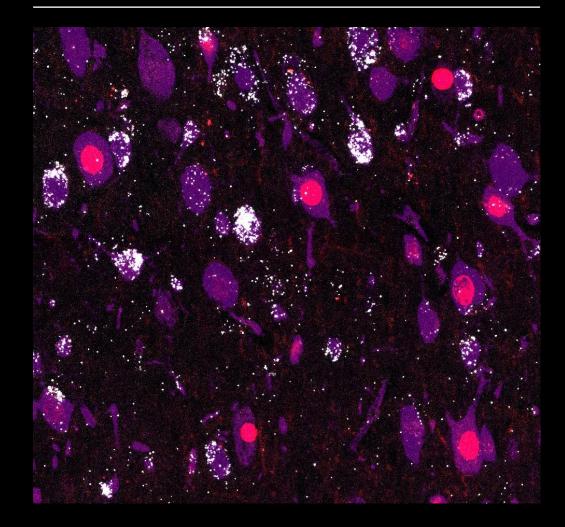
Vehicle Control



STAC-BBB

ZFR+ cells (GFP) Neurons (NeuN) Prion mRNA





STAC-BBB transgene encodes a nuclear-localized GFP and PRNP-targeted ZFR Multiplexed RNAscope ISH / IHC assay for NeuN, GFP, PRNP mRNA, and ZFR mRNA 2e13 vg/kg dose, 19 days post administration



Brain-wide PRNP repression seen in NHPs in the range of that associated with marked survival in mouse



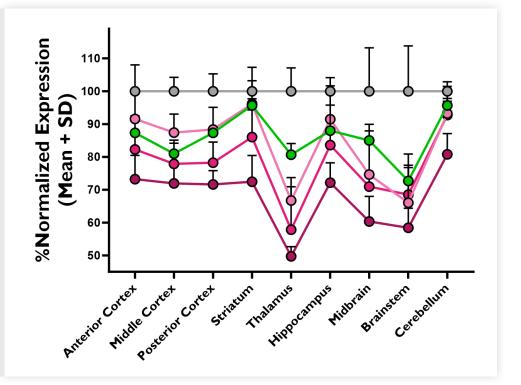
PHP.B capsid with mouse-specific ZFR lel3 vg/kg 3el3 vg/kg lel4 vg/kg Vehicle

Data presented at ASGCT 2023, Prion 2024

Higher doses in NHP are feasible and should provide higher repression of PRNP

Prnp mRNA repression seen across key brain regions:

- **Pink:** repression in mouse survival study at three doses
- Green: repression in NHP study at 2e13 vg/kg dose
- Prion repression in NHP similar to mouse at comparable doses
- Anticipate greater repression with clinical manufacturing process and higher doses in NHP



Phase 1/2 CTA-enabling activities and clinical study preparations are ongoing

Item	Category criteria	Sco
Bowel function	At least one episode of incontinence in last 7 days Continent for last 7 days	0 1
Bladder function	Always incontinent or catheterized Continent or occasional accidents	0 1
Toilet use	Fully dependent Needs some help	0 1
	Independent	2
Bathing	Fully dependent or needs some help Independent	0 1
Feeding	Unable or NG/PEG/RIG fed (takes nothing by mouth) Needs help but can swallow (even if unsafe)	0 1
	Independent	2
Transfers and mobility	Bedbound, unable to sit Can sit, but cannot mobilize or transfer without help (from person or	0 1
	walking aid) Can transfer or mobilize independently or both	2
		-
Stairs	Unable Needs help	0
	Independent	2
Best verbal response	Mute	0
	Incomprehensible sounds	1
	Single words Sentences, but difficulty in finding words, uses incorrect words or is often disoriented/confused	2 3
	Normal conversation	4
Memory and orientation	Shows no awareness of surroundings or any evidence of memory	0
to surroundings	Evidence of retaining some highly learned material (e.g. recognizing familiar people) or awareness of surroundings but no evidence of acquiring new material	1
	Acquiring new material Able to retain some new information but memory consistently impaired	2
	Memory normal or some impairment off and on	3
Judgement and problem	Unable to show any judgement or problem-solving	0
solving	Able to show some judgement or problem-solving, even if this is se- verely impaired	1
Use of tools	Unable to use any tools or objects Able to use some tools or objects, with help if necessary	0 1

NG = nasogastric; PEG = percutaneous endoscopic gastrostomy; RIG = radiologically inserted gastrostomy.

MRC Prion Disease Rating Scale

CTA submission anticipated in QI 2026

Clinical study expected to be a **Bayesian Optimal Interval (BOIN) design** to assess safety and efficacy, while potentially enabling rapid escalation to maximum tolerated dose

Study will use the **MRC prion disease rating scale** to assess efficacy of the ZFR and **compare to matched historic controls**

Aim is to delay progression of disease, offering potential for meaningful extension of survival

Plan to initiate clinical study in **mid-2026**

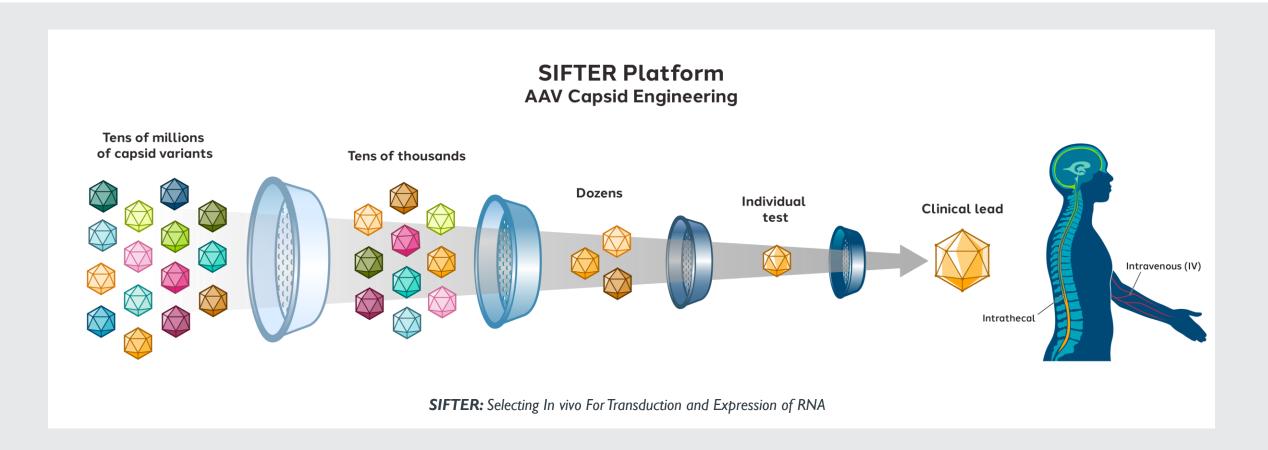
Anticipate preliminary clinical data in Q4 2026



MRC: Medical Research Council Thompson, AGB; Lowe, J; Fox, Z; et al. Brain 2013: 136; 1116 - 1127

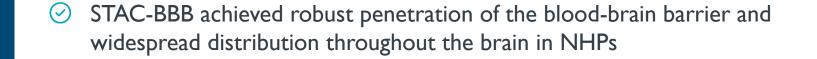
Achieving Widespread Central Nervous System Delivery for Optimal Therapeutic Benefit

Widespread CNS delivery is challenging with conventional AAVs. Our SIFTER platform is designed to enable the selection of neurotropic AAV capsids to potentially advance our innovative preclinical programs to the clinic.





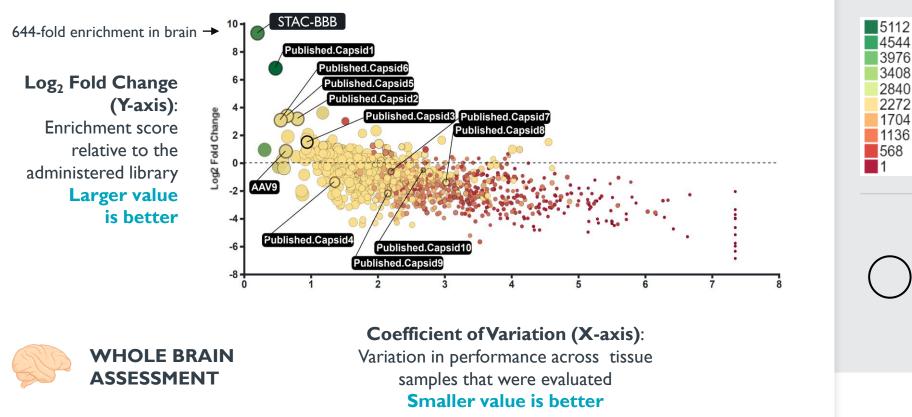
Sangamo STAC-BBB findings exceeded expectations for a successful bloodbrain barrier penetrant capsid



- Industry-leading performance: 700-fold better enrichment than the benchmark AAV9
- O Appears to primarily target neurons regardless of promoter
- Results are consistent across individual animals and groups
- Enabled robust expression of zinc-finger cargo throughout the brain, including all key brain regions
- Vector genomes are enriched in the CNS and appear de-targeted from the DRG and the liver
- We believe STAC-BBB is manufacturable at scale

In vivo library evaluation in cynomolgus macaques identified STAC-BBB as the top performing BBB-penetrant capsid, with additional enhancements in progress

Capsid-mediated expression of cargo in neurons



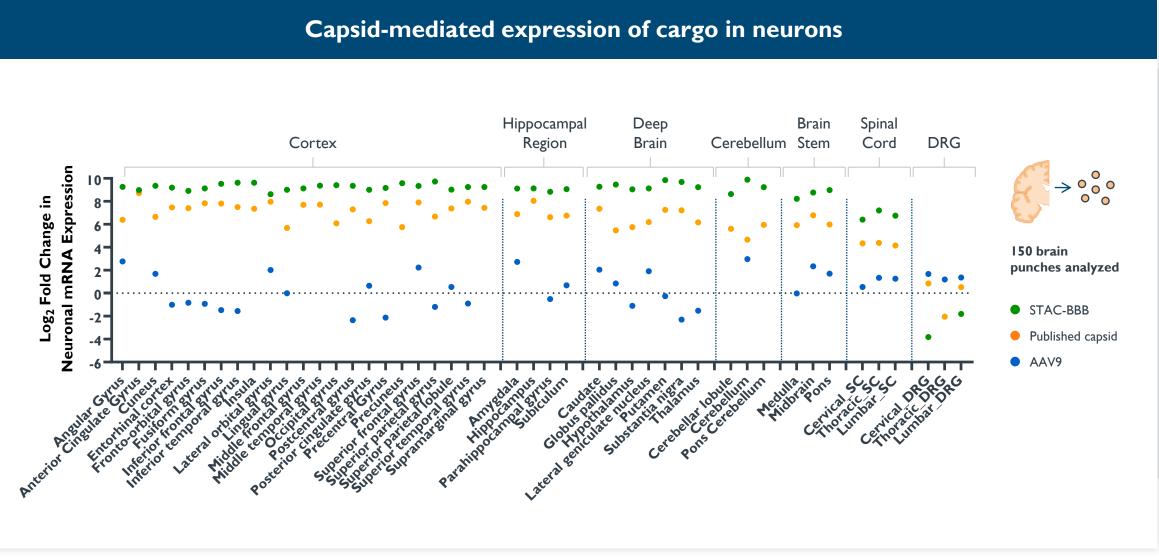
4544 **Unique Molecular** 3976 3408 Identifier count (Color): 2840 Informs number of unique 2272 AAV transduction events 1704 1136 **Darker green is better** 568



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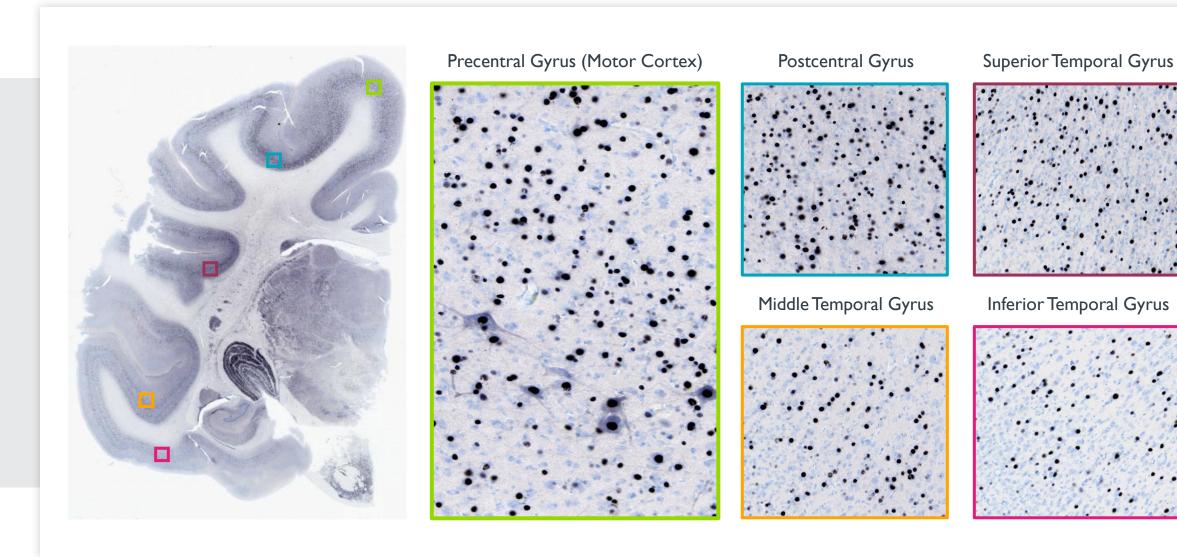
Fraction of replicates found (Bubble size): Informs consistency of replicate recovery Larger circle is better

STAC-BBB was enriched in neuronal RNA expression in all CNS regions



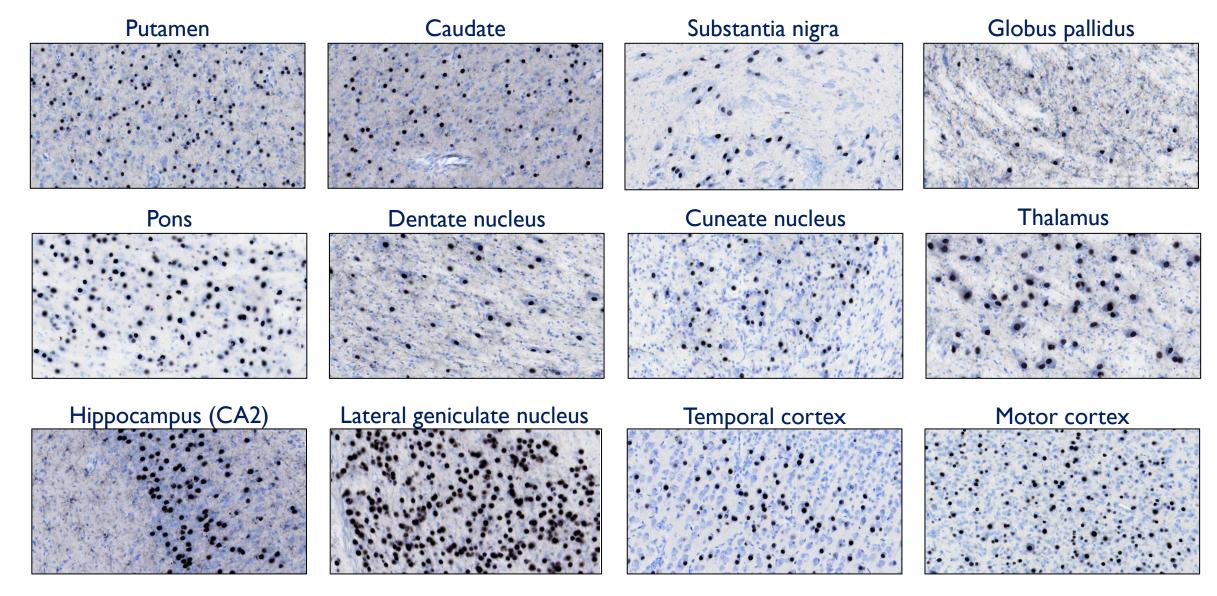


STAC-BBB showed widespread neuronal transduction across all cortical regions



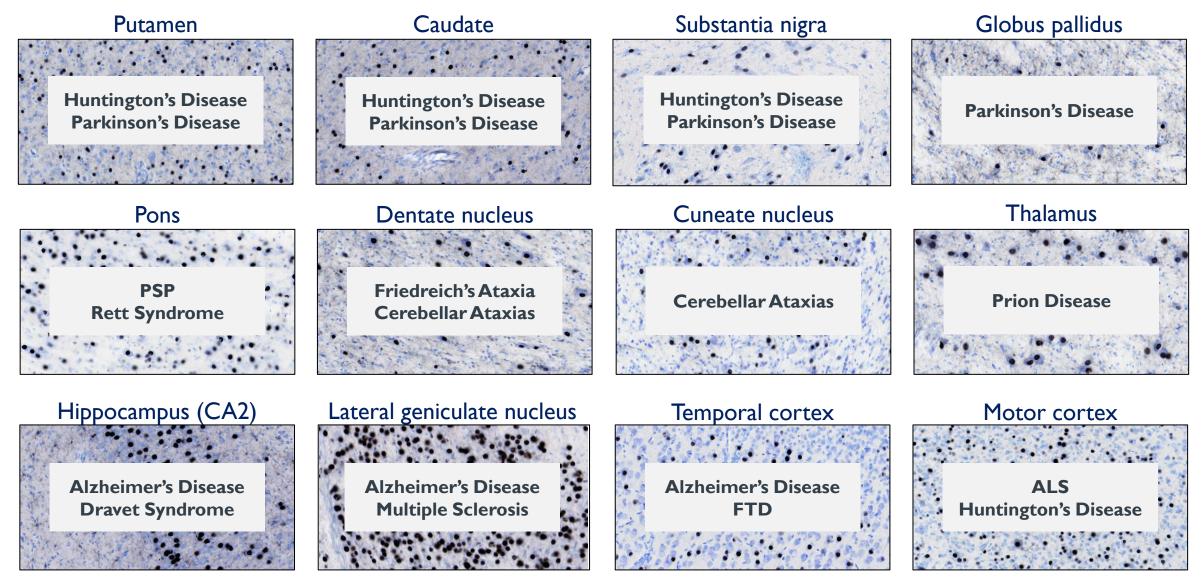


STAC-BBB mediated widespread brain transduction





Neurons were widely transduced in regions integral to disease pathology



ALS: Amyotrophic lateral sclerosis; FTD: Frontotemporal dementia; PSP: Progressive supranuclear palsy 2e13 vg/kg STAC-BBB, 19 days post administration **42**



We believe STAC-BBB is manufacturable at scale

- Capsid manufacturability is critical to create a successful potential commercial drug product for patients
- We believe STAC-BBB is:
 - Manufacturable at commercial scale using standard cell culture and purification processes
 - Soluble using known excipients
 - Can be characterized using available analytics
- We have successfully manufactured up to 50-liter scale, and further scale up to 500-liter is in progress



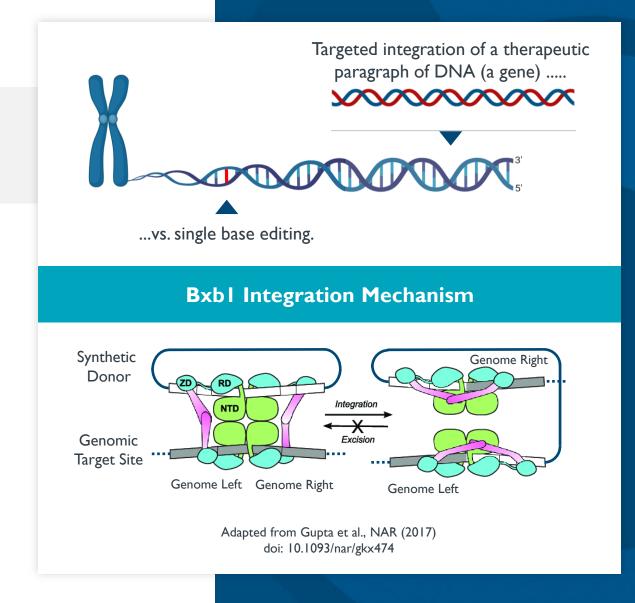


Advancing Next-Generation Genome Engineering

What is an integrase and why is it important?

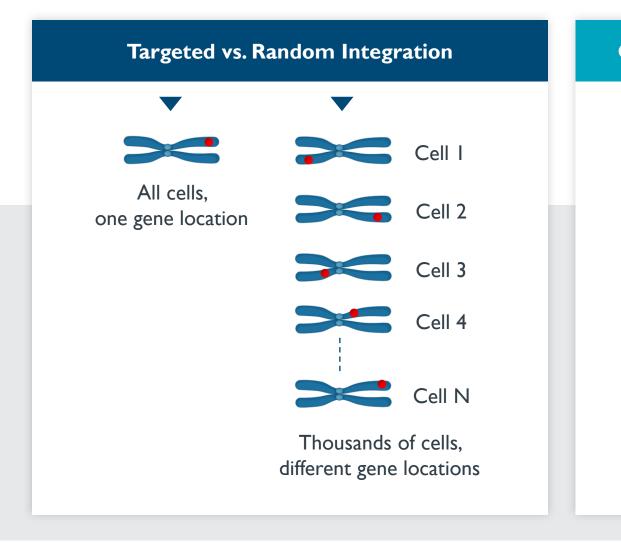
Targeted integration enables large scale genome editing

- ✓ Capable of delivering large payloads 10 kb+
- ⊘ No copying required low error rate
- Self sufficient no dependence on cell DNA repair machinery
- No DNA breaks reduced translocation risk

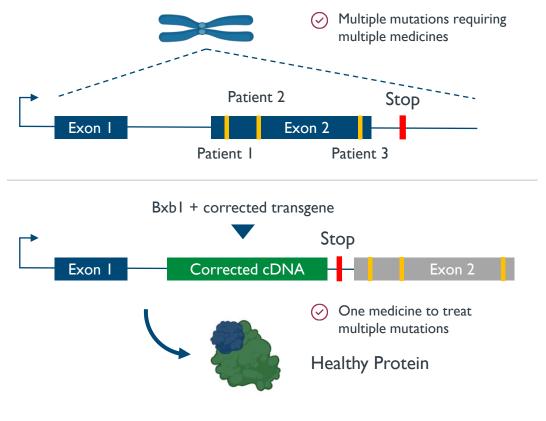




Targeted integration improves existing therapies, and enables new therapies



One medicine vs. multiple variants for each mutation



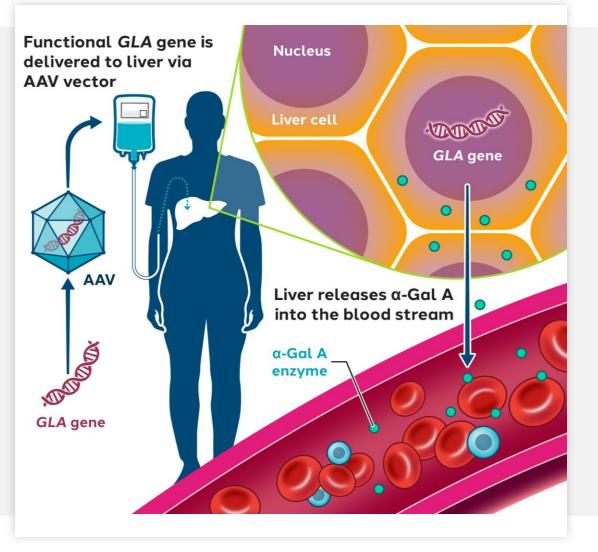
Images by Biorender



Optimizing Value of Clinical Programs

Fabry Disease: Isaralgagene civaparvovec (ST-920)

Abbreviated clinical pathway supports efforts to secure a commercialization partner



> Largest known gene therapy program in Fabry disease

- Dosing complete in Phase I/2 STAAR study (33 patients)
- All 18 patients who started the study on ERT are off ERT*

Ompelling clinical data

 Continue to amass encouraging clinical data, including positive mean eGFR slope in 23 patients treated >1yr

FDA alignment on Accelerated Approval pathway

- FDA confirmed that eGFR slope data at one year across all Phase 1/2 patients can serve as primary basis for accelerated approval
- Potential BLA submission expected in 2H 2025
- Ongoing discussions with EMA on regulatory pathway
- > Has EMA PRIME eligibility and UK MHRA ILAP status



Fabry Disease: isaralgagene civaparvovec (ST-920)

Summary of updated Phase 1/2 STAAR study data, as presented at WORLDSymposium 2025

- ST-920 gene therapy was well-tolerated with a **favorable safety profile** in this population of adults with Fabry disease:
 - Mainly Grade I and 2 Adverse Events and no discontinuation based on ST-920
 - No prophylactic steroids or other immunomodulatory agents administered. No LFT elevations requiring steroids.
- **Durable benefit** was demonstrated with supraphysiological α-Gal A activity up to **27 months** for those receiving the top dose (2.63×10¹³ vg/kg) and **47 months** for all subjects independent of dose
- Positive mean eGFR slope of 3.061 mL/min/1.73m2/year (95% confidence interval: 0.863, 5.258) observed in the 23 patients that have reached 1-year follow-up, indicating improvements in renal function

Clinically and statistically significant QOL improvements

- 68 % improvement in FOS-MSSI
- Improvement in SF-36 scores
- Improvements in gastrointestinal symptoms
- All 18 subjects who discontinued ERT remain off ERT, for up to 33 months
- Total or neutralizing α -Gal A antibodies decreased markedly in 9 subjects and became undetectable in 7 (70%)





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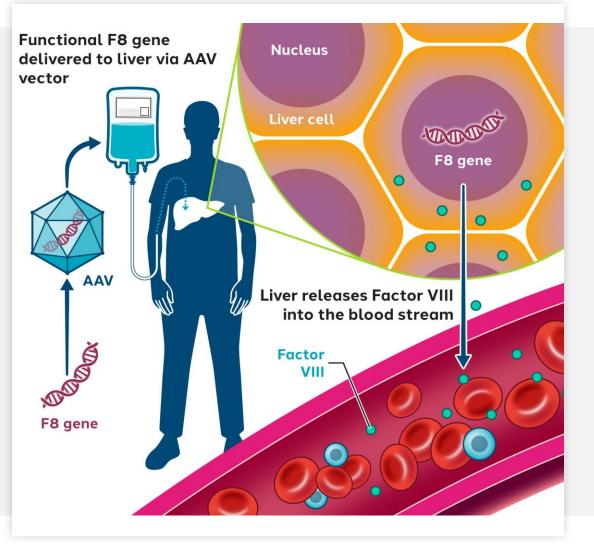
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Hemophilia A: Giroctocogene fitelparvovec (Pfizer)* Compelling readout for Phase 3 AFFINE trial



Sangame

- Pfizer reported positive topline results from the Phase 3 AFFINE trial in July 2024, which met primary and key secondary endpoints
- Phase 3 data presented at ASH Annual Meeting and Exposition in December 2024 via platform and poster presentations
- Sangamo announced in December 2024 that it is scheduled to regain development and commercialization rights to giroctocogene fitelparvovec following a decision by Pfizer to terminate the global collaboration and license agreement between the parties



Sangamo is a differentiated genomic medicine company focused on treating debilitating neurological diseases

Sangame THERAPEUTICS



Potent zinc finger epigenetic regulation technology, with neurology programs advancing towards the clinic



Industry-leading AAV capsid discovery platform

has demonstrated noninvasive intrathecal and intravenous delivery to the brain



Powerful research platform continually innovates in new modes of genome modulation to support value creation opportunities for both wholly owned programs and potential partners



Strong roster of current partners and a clear regulatory pathway to Accelerated Approval agreed with U.S. FDA in Fabry disease, with partner negotiations ongoing

SHARP STRATEGIC FOCUS IN NEUROLOGY

OPTIMIZING ASSET VALUE

