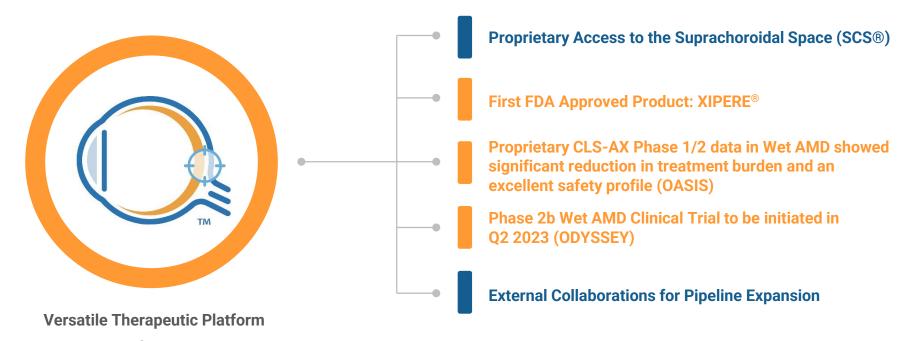


### Forward-Looking Statements

This presentation contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995, as amended. The words "may," "will," "could," "would," "should," "expect," "plan," "anticipate," "intend," "believe," "estimate," "predict," "project," "potential," "continue," "target" or the negative of these terms and other similar words or expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Clearside Biomedical, Inc.'s views as of the date of this presentation about future events and are subject to risks, uncertainties, assumptions, and changes in circumstances that may cause Clearside's actual results, performance, or achievements to differ significantly from those expressed or implied in any forward-looking statement. Although Clearside believes that the expectations reflected in the forward-looking statements are reasonable, new risks and uncertainties may emerge from time to time, and Clearside cannot guarantee future events, results, performance, or achievements. Some of the key factors that could cause actual results to differ from Clearside's expectations include its plans to develop and potentially commercialize its product candidates; adverse differences between preliminary or interim data and final data; Clearside's planned clinical trials and preclinical studies for its product candidates; the timing of and Clearside's ability to obtain and maintain regulatory approvals for its product candidates; the extent of clinical trials potentially required for Clearside's product candidates; the clinical utility and market acceptance of Clearside's product candidates; Clearside's commercialization, marketing and manufacturing capabilities and strategy; Clearside's intellectual property position; Clearside's ability to expand its pipeline; developments and projections relating to Clearside's competitors and its industry; the impact of government laws and regulations; the impact of public health epidemics affecting countries or regions in which Clearside has operations or does business, such as the COVID-19 pandemic; the timing and anticipated results of Clearside's preclinical studies and clinical trials and the risk that the results of Clearside's preclinical studies and clinical trials may not be predictive of future results in connection with future studies or clinical trials and may not support further development and marketing approval; findings from investigational review boards at clinical trial sites and publication review bodies; Clearside's estimates regarding future revenue, expenses, capital requirements and need for additional financing; and Clearside's ability to identify additional product candidates with significant commercial potential that are consistent with its commercial objectives. For further information regarding these risks, uncertainties and other factors you should read the "Risk Factors" section of Clearside's Annual Report on Form 10-K for the year ended December 31, 2022, filed with the SEC on March 14, 2023, and Clearside's other Periodic Reports filed with the SEC. Clearside expressly disclaims any obligation to update or revise the information herein, including the forward-looking statements, except as required by law. This presentation also contains estimates and other statistical data made by independent parties and by Clearside relating to market size and growth and other data about its industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. In addition, projections, assumptions and estimates of Clearside's future performance and the future performance of the markets in which Clearside operates are necessarily subject to a high degree of uncertainty and risk.

## Developing and Delivering Treatments that Restore and Preserve Vision for Serious Back of the Eye Diseases



SCS Microinjector® with proprietary drug formulations target the suprachoroidal space



### Core Advantages of Treating Via the Suprachoroidal Space (SCS®)







#### **TARGETED**

#### for efficacy<sup>1</sup>

The back of the eye is the location of many irreversible and debilitating visual impairments

#### **COMPARTMENTALIZED**

#### for safety<sup>2</sup>

Drug is compartmentalized in the suprachoroidal space, which helps keep it away from non-diseased tissues and entirely behind the visual field

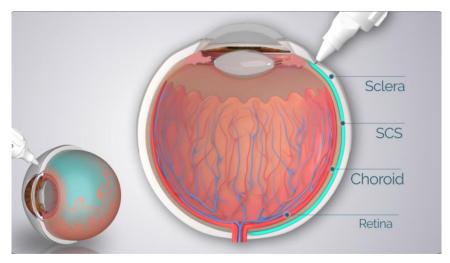
## BIOAVAILABLE & PROLONGED DRUG LEVELS

#### for durability<sup>3</sup>

Fluid spreads circumferentially and posteriorly when injected within the suprachoroidal space, bathing the choroid and adjacent areas with drug



# Clearside's SCS Microinjector®: The Only Commercially-Accepted Approach for Suprachoroidal Drug Delivery



#### SUPRACHOROIDAL SPACE INJECTION

Novel SCS Microinjector® shows a demonstrated ability for precise delivery into the suprachoroidal space



## SCS injection procedure commercially accepted by retinal physicians following launch of XIPERE®

Thousands of SCS injections performed



#### Safety profile comparable to intravitreal injections<sup>1</sup>

 No Serious Adverse Events (SAEs) involving lens injury, suprachoroidal hemorrhage, or endophthalmitis have been observed



6 clinical trials ongoing including partner programs



## XIPERE®: First FDA Approved Suprachoroidal Therapy Establishes Foundation for Small Molecule Suspension Pipeline



- Macular edema is the leading cause of vision loss in patients with non-infectious uveitis
- Commercialization and development partnerships With Bausch + Lomb and Arctic Vision to enhance value and expand patient access
- NDA approved on October 22, 2021
- Launched Q1 2022 in US by Bausch + Lomb

First approved therapeutic delivered into the suprachoroidal space First therapy for macular edema associated with First commercial product developed by Clearside First trial for uveitic macular edema using visual acuity change as a primary endpoint\*



## Pioneers in the Suprachoroidal Space (SCS®) with Patented Technology

#### **KEY INTELLECTUAL PROPERTY COMPONENTS**

- 1. Comprehensive IP portfolio that includes protection of: SCS delivery technology, proprietary SCS Microinjector®, treatment of various conditions with SCS administration of therapeutic products
- 2. 26 U.S. and >70 European and International issued patents with multiple pending patent applications
- 3. Granted patents provide exclusivity for our delivery technology and product candidates to mid-2030s with pending applications potentially extending exclusivity beyond 2040



#### **DEVICE PATENTS**

- SCS Microinjector® features
- Methods of using SCS Microinjector<sup>®</sup> for drug delivery
- · Device using an adjustable needle



#### **DRUG PATENTS**

- Administration of a variety of drugs to the suprachoroidal space by microinjection
- Administration of a variety of drugs to the eye by inserting a microinjector into the sclera



#### **DISEASE PATENTS**

 Methods of treating posterior ocular disorders by SCS administration





# **Exclusive Access to the Back of the Eye Using Clearside's Proprietary SCS Microinjector®**



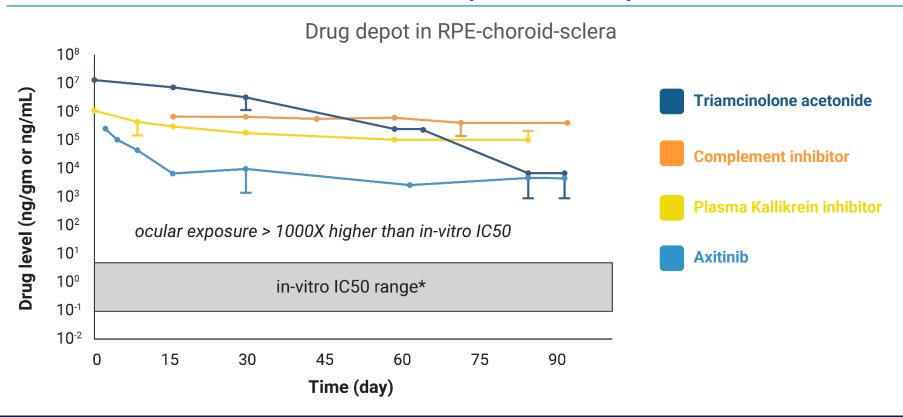


## **CLS-AX Delivered with SCS Microinjector® for Wet AMD**





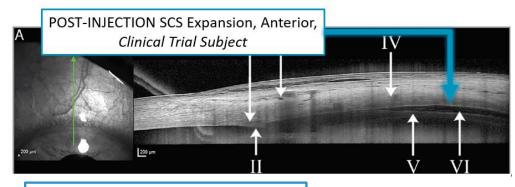
# Preclinical Data Supports Durability Potential of Small Molecule Suspensions Delivered into the Suprachoroidal Space

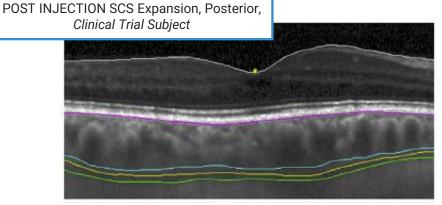




# SCS Microinjector® Expands the SCS Circumferentially and Posteriorly to Deliver Drugs to the Macula

- A natural pressure gradient exists such that IOP > Anterior SCS Pressure > Posterior SCS Pressure
  - This gradient drives injectate towards the lower pressured posterior SCS
- OCT images demonstrate expansion of the SCS after injection, including the macula SCS in humans
- Suprachoroidally injected drug levels are similar peripherally and centrally in the retina and SCS in a preclinical model



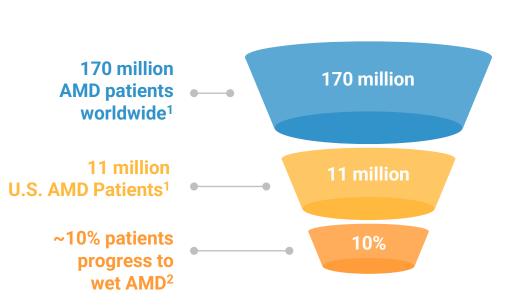


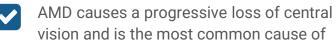




### **Age-Related Macular Degeneration (AMD)**

#### A large and growing market opportunity





- Neovascular or Wet AMD accounts for the majority of blindness<sup>1</sup>
- U.S. prevalence expected to increase to 22 million by the year 2050<sup>1</sup>

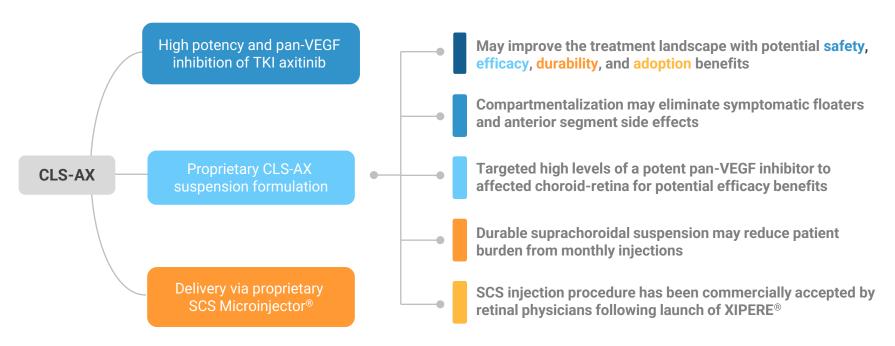
blindness in individuals over age 55<sup>1</sup>

- Global prevalence expected to increase to 288 million by the year 2040<sup>1</sup>
- Current treatments require frequent injections
  - Subset of patients with disappointing visual outcomes<sup>2</sup>



## CLS-AX (axitinib injectable suspension) for Suprachoroidal Use

Leveraging a Highly Potent Pan-VEGF Inhibitor with Suprachoroidal Delivery





### Axitinib: a Highly Potent, Pan-VEGF TKI to Treat Wet AMD



Axitinib's intrinsic pan-VEGF inhibition through receptor blockade

Approved treatments are focused VEGF-A inhibitors



Inhibits VEGFR-1, VEGFR-2, VEGFR-3 receptors

More active than anti-VEGF-A in in-vitro angiogenesis model<sup>1-2</sup>

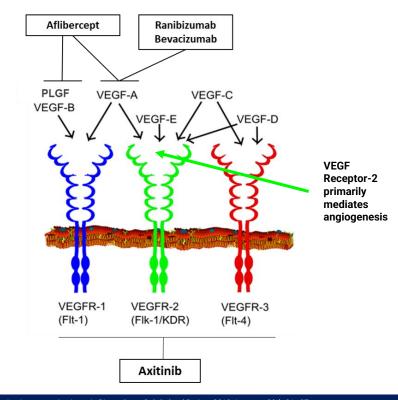


Highly potent tyrosine kinase inhibitor (TKI)

- >10x more potent than other TKIs in preclinical studies
- Better ocular cell biocompatibility than other TKIs<sup>3</sup>
- More active than other TKIs for experimental corneal neovascularization in preclinical models

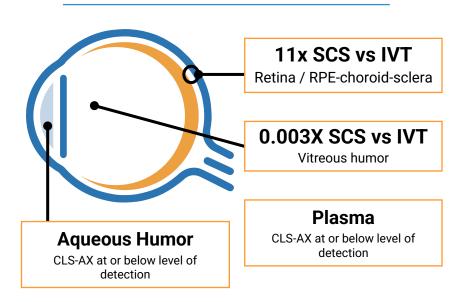


Preclinical data showed axitinib inhibition and regression of angiogenesis





# CLS-AX Injected Suprachoroidally Provides Targeted Delivery Relative to Intravitreal Injection at Same Dose

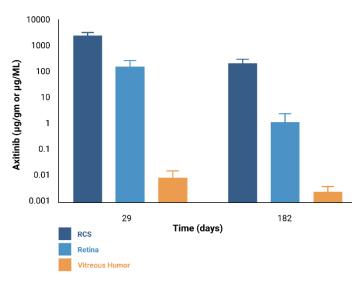


#### Rabbit Model Values: area under the curve ratios, SCS / IVT

SCS : 1 mg/eye, 100  $\mu$ L. | IVT: 1 mg/eye, 25  $\mu$ L Single bilateral injection, 1-wk rabbit PK studies

#### CLS-AX has Potential for Meaningful Durability Based on CLS-AX Levels to 6 Months

High Retina Levels: Sufficient to block VEGF pathway Low Plasma Levels: <1 ng/mL



**Rabbit toxicology study** with single bilateral suprachoroidal injection of axitinib, 1.05 mg/eye (n=4 eyes/ timepoint)





# OASIS and Extension Study: CLS-AX Phase 1/2a Clinical Trial in Treatment-Experienced Wet AMD Patients with Active Disease at Screening

#### TRIAL DESIGN AND OBJECTIVES

- Open-label study with a primary endpoint to evaluate safety and tolerability of escalating single doses of CLS-AX administered through suprachoroidal injection following IVT aflibercept
- Wet AMD patients with ≥2 anti-VEGF treatments in the prior 4 months, reading center confirmation of persistent active disease
- Dose-escalation of CLS-AX (in mg): Cohort 1 at 0.03; Cohort 2 at 0.1; Cohort 3 at 0.5; Cohort 4 at 1.0
- Secondary endpoints: visual function, ocular anatomy, and need for additional treatment
- Monthly assessment for additional treatment with aflibercept: loss from best measurement of ≥10 letters in BCVA with exudation; increase in CST >75 microns; a vision-threatening hemorrhage
- Extension study: A total of 6 months' follow-up for patients in Cohorts 2, 3, & 4 who chose to continue for an additional 3 months

Screening

Baseline

OASIS Month 1

OASIS Month 2

OASIS Month 3

Ext Study Month 4

Ext Study Month 5

Ext Study Month 5

Ext Study Month 6

CLS-AX dosed at baseline (1 Month post screening)



### OASIS Enrolled Heavily anti-VEGF Treatment-Experienced Wet AMD Patients

#### Patients were <u>sub-responders</u> with <u>active disease</u> at screening confirmed by reading center

#### Why target this patient population instead of treatment naïve or patients with controlled disease?

- · Patients have a high need for effective therapy with lower treatment burden
- Minimizes the risk of false signals of biologic effect
- Facilitates assessment for biological effect in a difficult-to-treat nAMD patient population
- · Facilitates assessment of an appropriate dose, based on safety and biologic effect
- Represents a significant number of patients in clinical practice, with >30% sub-responders
- · Supports future clinical trials

#### Desired outcomes in this heavily treated patient population:

- · Demonstrate safety and tolerability of CLS-AX
- Maintain stability of visual acuity and central subfield thickness with lower treatment burden

Enrolling difficult to treat anti-VEGF sub-responders allowed observation of possible signs of biologic effect while minimizing false signals



# Enrolled Patients All with Active Disease at Screening and Confirmed by Independent Reading Center

### Demographics and Wet AMD History

Wet AMD Disease Characteristics	COHORT 1: 0.03 mg	COHORT 2: 0.1 mg	COHORT 3: 0.5 mg	COHORT 4: 1.0 mg
No. of participants	6	5	8	8
Mean age (range), years	81.8 (66-93)	78.2 (65-90)	86.3 (75-97)	76.5 (66-83)
Mean baseline best corrected visual acuity (range), letters	59.0 (29-74)	65.6 (52-75)	58.5 (37-74)	65.8 (50-74)
Mean baseline central subfield retinal thickness (range), μm	231.2 (208-294)	209.4 (184-227)	202.0 (175-238)	218.8 (152-295)
Mean duration of wAMD diagnosis (range), months	50.13 (12.4-110.3)	49.78 (24.7-81.3)	66.64 (6.8-102.1)	48.21 (4.5-132.8)
Number of anti-VEGF injections reported prior to CLS-AX administration on Day 1, mean (range)	26.8 (7-41)	24.2 (12-39)	37.0 (6-90)	28.8 (5-89)
Annualized number of anti-VEGF injections prior to CLS-AX administration on Day 1, mean (range)	9.36 (6.3-12.7)	9.54 (5.4-12.2)	8.47 (4.9-11.8)	11.96 (8.9-13.6)





## OASIS (3 Month) and Extension Study (6 Month) Cohorts 3 and 4: Promising CLS-AX Safety Data, Durability and Biologic Effect

#### SAFETY DATA

Excellent safety profile at all doses and timepoints

No Serious Adverse Events

· No dose limiting toxicities

No Adverse Events (AEs) from inflammation

No AEs related to intraocular pressure

#### **DURABILITY**

• In OASIS, to 3 months:

≥72% reduction in treatment burden

• In Extension Study, to 6 months:

>77% reduction in treatment burden.

Patients not requiring additional therapy:

• ≥ 3 Months: 11/12 (92%)

≥ 4 Months: 10/12 (83%)

≥ 6 Months: 8/12 (67%)

• > 6 Months: 6/12 (50%)



#### **BIOLOGIC EFFECT**

- Stable mean Best Corrected Visual Acuity (BCVA)
- Stable mean Central Subfield Thickness (CST)
- On optical coherence tomography (OCT), anatomical signs of tyrosine kinase inhibitor (TKI) biologic effect were observed in anti-VEGF treatment-experienced sub-responders

#### **NEXT STEPS**

 Expect to initiate Phase 2b clinical trial in Q2 2023 with Topline Results anticipated in Q3 2024



### **CLS-AX Demonstrated a Positive Safety Profile in All Four Cohorts**

#### 3-Month & 6-Month Extension Study Data

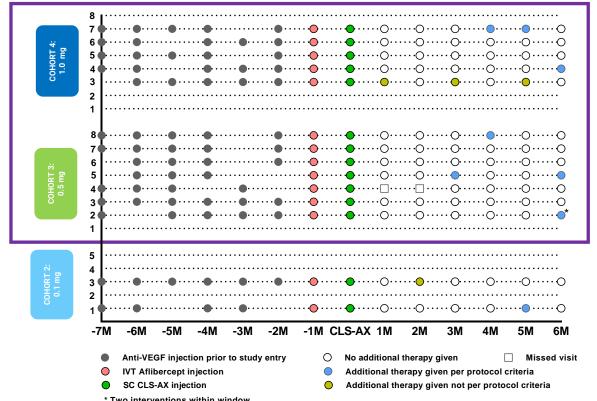
#### **SAFETY DATA**

#### **Excellent Safety Profile at all doses and timepoints**

- No serious adverse events (SAEs)
- No treatment emergent adverse events (TEAEs) related to study treatment
- No dose limiting toxicities
- No adverse events related to inflammation, vasculitis or vascular occlusion
- No vitreous "floaters" or dispersion of CLS-AX into the vitreous
- No retinal detachment
- No endophthalmitis
- No adverse events related to intraocular pressure



### **Extension Study (6 Month Data): Prior Anti-VEGF Therapies and All Additional Therapies**



#### DURABILITY

Cohorts 3 & 4

No Additional Therapy

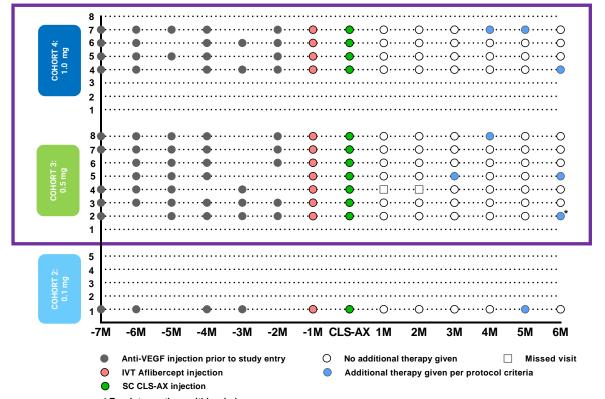
- ≥ 3 Months: 11/12 (92%)
- ≥ 4 Months: 10/12 (83%)
- ≥ 6 Months: 8/12 (67%)
- > 6 Months: 6/12 (50%)

\* Two interventions within window.





## Extension Study (6 Month Data): Prior Anti-VEGF Therapies and <u>Additional Therapies Per Protocol Criteria</u>



#### **DURABILITY**

Cohorts 3 & 4

No Additional Therapy

- ≥ 3 Months: 11/11 (100%)
- ≥ 4 Months: 10/11 (91%)
- ≥ 6 Months: 8/11 (73%)
- > 6 Months: 6/11 (55%)



<sup>\*</sup> Two interventions within window.

## Extension Study (6 Month): CLS-AX Demonstrated Reduction of Treatment Burden Across Cohorts

## Observed Reduction in Treatment Burden All Therapies

## Observed Reduction in Treatment Burden Therapies Per Protocol Criteria

Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction
4	5	0.87	0.20	77.0
3	7	0.81	0.12	85.2
2	2	0.83	0.17	79.5

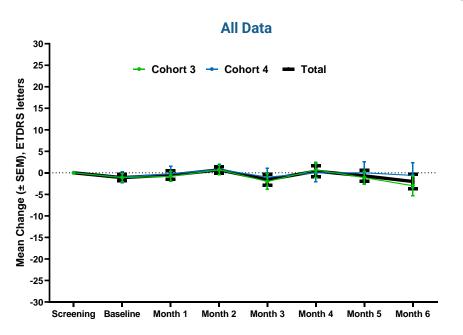
Cohort	Number of Participants	Avg Monthly Injections Before CLS-AX Administration	Avg Monthly Injections After CLS-AX Administration	% Reduction
4	4	0.83	0.13	84.3
3	7	0.81	0.12	85.2
2	1	0.67	0.17	74.6

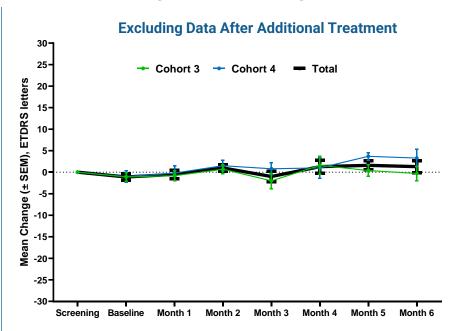
77 – 85% Reduction in Treatment Burden in Cohorts 3 and 4



## **Extension Study (6 Month): Stable Visual Acuity**

Mean Best Corrected Visual Acuity Letter Score, Change from Screening

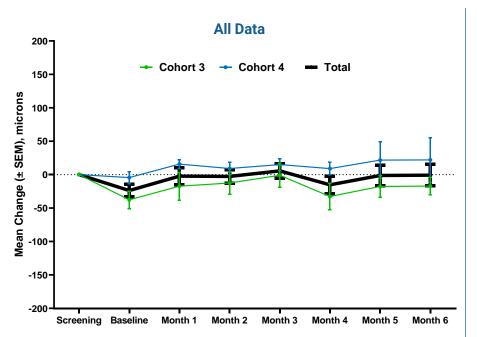


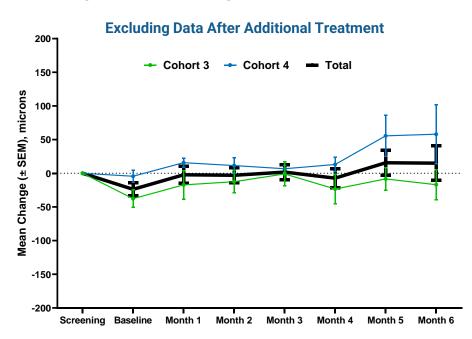




## **Extension Study (6 Month): Stable Central Subfield Thickness**

Mean Central Subfield Thickness, Change from Screening







# CLS-AX in Suprachoroidal Space Demonstrates Promising Safety Data, Durability and Biologic Effect in Anti-VEGF Treatment Experienced Sub-responders

	OASIS Results	Potential Competitive Advantages*
Safety Data (All Cohorts)	<ul> <li>Excellent Safety Profile at all doses and timepoints</li> <li>No SAEs, No TEAEs related to study treatment</li> <li>No dose limiting toxicities</li> <li>No AEs related to inflammation, vasculitis or vascular occlusion</li> <li>No vitreous "floaters" or dispersion of CLS-AX into the vitreous</li> <li>No retinal detachments or endophthalmitis</li> <li>No AEs related to intraocular pressure</li> </ul>	<ul> <li>As a well-characterized small molecule, less risk for inflammation than a novel biologic agent</li> <li>No need for an operating room setting</li> <li>No observed incidents of drug migration or vitreous "floaters" or haze in clinical trials, to date</li> <li>SCS injection procedure commercially accepted by retinal physicians following launch of XIPERE®</li> </ul>
Durability (Cohorts 3&4)	In Extension Study (N=12):  • ≥77% reduction in treatment burden  • Patients not requiring additional therapy:  ≥ 3 Months: 11/12 (92%)  ≥ 4 Months: 10/12 (83%)  ≥ 6 Months: 8/12 (67%)  > 6 Months: 6/12 (50%)	<ul> <li>CLS-AX showed preliminary signs of durability favorably comparing to other current and investigational intravitreally injected biologic agents</li> <li>Based on extension data at higher doses, CLS-AX suprachoroidal suspension demonstrated it may have durability of effect that favorably compares to other extended release TKI formulations</li> </ul>
Biologic Effect (Cohorts 3&4)	<ul> <li>CLS-AX showed signs of biologic effect:</li> <li>Stable mean BCVA</li> <li>Stable mean CST</li> <li>On OCT, anatomical signs of TKI biologic effect were observed in anti-VEGF treatment-experienced sub-responders</li> </ul>	<ul> <li>The most potent TKI in nAMD trials, differentiated from focused VEGF-A blockade</li> <li>Targeted high levels to affected choroid-retina may further leverage efficacy, particularly in anti-VEGF sub-responders</li> </ul>





### **ODYSSEY Phase 2b Trial: Treatment Experienced Participants with Active Disease**

#### Randomized, Double-Masked, Parallel-Group, Active-Controlled Multicenter Wet AMD Trial



#### **Trial Objectives:**

Evaluate safety & efficacy of CLS-AX in participants with wet AMD



#### **Number of Participants:**

60 Total with 2:1 Randomization\* (40 in CLS-AX arm & 20 in aflibercept arm)

- Key inclusion criteria:
  - · Diagnosed with neovascular AMD (wet AMD) within 36 months of screening
  - History of 2 to 4 anti-VEGF treatments in 6 months before screening
  - History of response to prior anti-VEGF treatment for wet AMD
  - Reading center confirmation of persistent active disease
  - Best corrected visual acuity (BCVA) of 20 to 80 letters#
- Loading Doses: Participants in both arms will receive 3 aflibercept (2 mg) loading doses; in CLS-AX arm, participants will receive one dose of CLS-AX (1.0 mg) at same visit as second loading dose of aflibercept (Baseline)
- Monthly disease activity assessments: Weeks 12 through 32 in both arms to determine
  if there is need for supplemental treatment
- Supplemental treatment criteria<sup>^</sup>: Decrease in BCVA, increase in central subfield thickness (CST), or new or worsening vision-threatening hemorrhage due to wet AMD
- Primary outcome measures: Mean change in BCVA from Baseline to Week 36; safety & tolerability
- Secondary outcome measures:
  - Other changes in visual function and ocular anatomy, such as CST
  - Need for supplemental treatment
  - Treatment burden as measured by total injections over trial duration



<sup>\*</sup> Affibercept is dosed via intravitreal injection (IVT); CLS-AX is dosed via suprachoroidal injection. 
# Using the Early Treatment Diabetic Retinopathy Study (ETDRS) measurement.

BCVA reduction of >10 letters from Baseline measurement due to wet AMD.

- Increase in CST of >100 microns on SD-0CT from Baseline measurement due to wet AMD.

- BCVA reduction of > 5 letters from Baseline measurement due to wet AMD AND increase in CST of >75 microns on SD-0CT from Baseline measurement due to wet AMD and increase in CST of >75 microns on SD-0CT from Baseline measurement due to wet AMD.

- Presence of new or worsening vision-threatening hemorrhage due to wet AMD.

### **ODYSSEY Phase 2b Wet AMD Trial Design Rationale**

#### Comparator

- Aflibercept (2 mg) is current standard of care for wet AMD patients
- Intended to position CLS-AX for Phase 3 to conform with FDA draft guidance for wet AMD drug development

#### **Target Participants**

- Large population of treatment-experienced participants to facilitate trial enrollment
- · Minimizes recruitment of anti-VEGF sub- and non-responders

#### **Dosing Regimen**

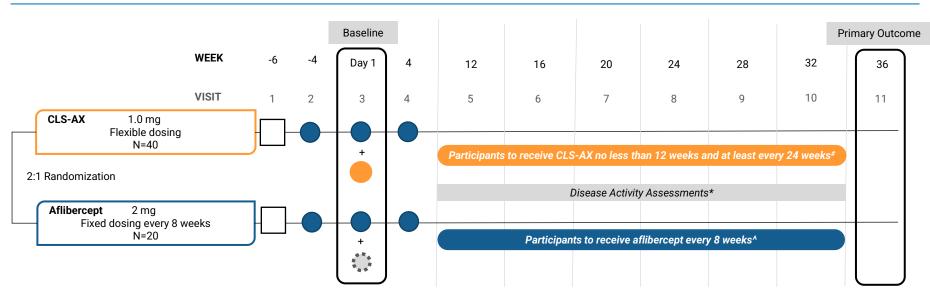
- Designed to evaluate safety, efficacy and duration of CLS-AX in participants with wet AMD
- CLS-AX has potential for 2-3x/year maintenance dosing compared to on-label maintenance dosing for approved drugs: LUCENTIS®: 12x/year, EYLEA®: 6x/year, VABYSMO®: up to 6x/year

## Trial Size and Timeline

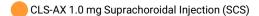
- Number of participants in line with recent anti-VEGF Phase 2 trials in wet AMD
- 36-week duration to obtain necessary data to design Phase 3 program using FDA draft guidance
- Balanced to meet objectives effectively and efficiently with topline results expected in Q3 2024



## **ODYSSEY Trial Designed to Provide Data for Phase 3**







Aflibercept 2 mg Intravitreal Injection (IVT)





<sup>\*</sup> Disease Activity Assessments (DAA): Conducted at Week 12 through 32 to determine need for supplemental treatment.

<sup>#</sup> In CLS-AX arm, following 3 loading doses of aflibercept and initial dose of CLS-AX at Baseline, participants will receive CLS-AX at least every 24 weeks unless more frequently required based on DAA;

if disease is active and participant is <12 weeks since last CLS-AX injection, participant receives dose of aflibercept; if disease is active and participant is >12 weeks since last CLS-AX injection, participant receives dose of CLS-AX.

<sup>^</sup> In affibercept arm, following 3 loading doses of affibercept, participants will receive affibercept on fixed dosing regimen every 8 weeks unless more frequently required based on DAA; if disease is active, participant receives dose of affibercept.



## Clinical Programs Utilizing Clearside's SCS Microinjector®

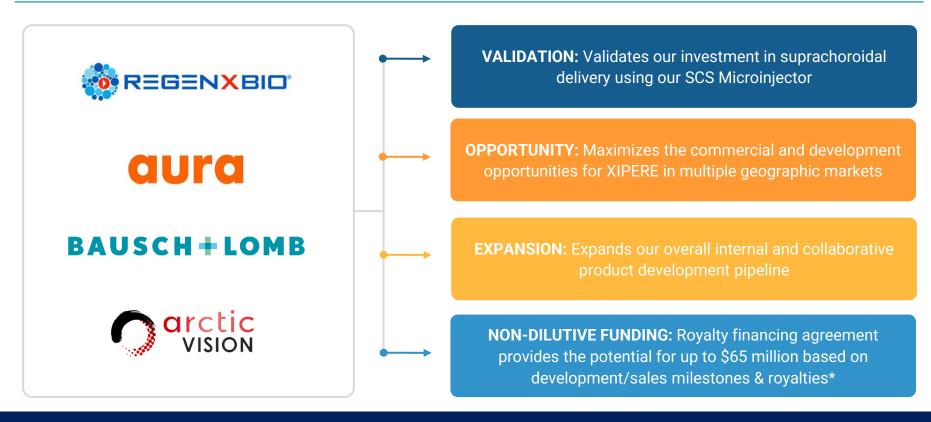
	Clinical Development					
PROGRAM	THERAPEUTC ENTITY	INDICATION	PHASE 1	PHASE 2	PHASE 3	APPROVAL
CLS-AX (axitinib): CLEARSIDE	Small Molecule	Wet AMD (ODYSSEY)	P2b Planned Q2 2023			

SCS Microinjector® Partner Programs						
PARTNER	Therapeutic Entity	LICENSED Indication	IND-Enabling	PHASE 2	PHASE 3	APPROVAL
RGX-314: REGENXBIO	AAV-based Gene Therapy	Wet AMD (AAVIATE)				
RGX-314: REGENXBIO	AAV-based Gene Therapy	Diabetic Retinopathy (ALTITUDE)				
AU-011: AURA BIOSCIENCES	Viral-like Drug Conjugate	Ocular Oncology/Choroidal Melanoma				

XIPERE® Commercial Partners						
PARTNER	INDICATION	LICENSED TERRITORY	PHASE 1	PHASE 2	PHASE 3	APPROVAL
BAUSCH + LOMB	Uveitic Macular Edema	U.S. & Canada				U.S.A.
A DOTIO VIOIONI	Uveitic Macular Edema	Greater China, South Korea, ASEAN Countries, India, Australia, New Zealand			Arcatus™	
ARCTIC VISION	Diabetic Macular Edema		Arcatus™			



### **Four Validating Partnerships to Drive Growth**





## SCS Microinjector®: Two Global Development & Commercialization Partners



## aura

#### **GENE THERAPY FOR RETINAL DISEASES**

- Exclusive worldwide rights for SCS delivery of adeno-associated virus (AAV) vector gene-based therapy RGX-314 to treat wet AMD, diabetic retinopathy and certain other conditions
- Two ongoing multi-center, open-label, randomized, controlled, doseescalation studies evaluating the efficacy, safety and tolerability of suprachoroidal delivery of RGX-314
- First data ever presented utilizing gene therapy delivered into the suprachoroidal space\*
- · TERMS:
  - Up to \$136M in regulatory, development and sales milestones across certain vascular endothelial growth factor ("VEGF") mediated retinal diseases
  - Mid single digit royalties on net sales of SCS Microinjector products

#### **OCULAR ONCOLOGY**

- Exclusive worldwide licensing agreement for the SCS delivery of their proprietary drug candidates into the SCS for the potential treatment of certain ocular cancers, including choroidal melanoma (CM)
- CM is the most common, primary intraocular cancer in adults
- · Completing Phase 2 trial
- Planning to initiate Phase 3 pivotal trial in 2023 using SCS administration
- TERMS:
  - Up to \$21M in regulatory, commercial sales and development milestones
  - Low to mid single digit royalties on net sales of SCS Microinjector<sup>®</sup> products



### XIPERE®: Two Global Commercialization & Development Partners



## **BAUSCH+LOMB**

- License for the U.S. and Canada
- Received \$20M in upfront, U.S. approval and pre-launch milestones
- Up to \$55M in milestone payments
- Tiered royalties from the high-teens to 20%



- License for Greater China, South Korea, ASEAN Countries, India, Australia, New Zealand
- Received \$11M in upfront and U.S. approval payments
- Up to \$22.5M in milestone payments
- Tiered royalties of 10% to 12%



### **Targeted 2023 Catalysts**

#### **CLEARSIDE PROGRAMS**

#### **CLS-AX** (axitinib injectable suspension)

- ✓ Q1 2023: Final OASIS Phase 1/2a data from 6-month extension study
- Q2 2023: ODYSSEY Phase 2b trial initiation
- Q3 2024: ODYSSEY Phase 2b Topline Results

#### Medical/Scientific meeting presentations

- ✓ Q1 2023: Angiogenesis, Macula Society, Next Generation Ophthalmic Drug Delivery Summit -Suprachoroidal Delivery Workshop
- **Q2/Q3 2023**: ARVO, ASRS
- Q4 2023: AAO, Retina Society

#### **Publications**

- Expert panel practice guidelines on SCS® delivery
- OASIS Data

#### **PARTNER PROGRAMS**

#### Bausch + Lomb:

- ✓ XIPERE® marketing in North America
- ✓ XIPERE® submitted for regulatory approval in Canada

Arctic Vision: XIPERE® (Arcatus™) development in China

- ✓ Phase 3 UME trial enrolling
- Phase 1 DME trial data

**REGENXBIO:** RGX-314 delivered via SCS Microinjector®

- √ H1 2023: Complete enrollment in wet AMD & DR trials
- H2 2023: Report additional interim trial data

**Aura Biosciences:** AU-011 delivered via SCS Microinjector<sup>®</sup> in choroidal melanoma

- H1 2023: Initiate and enroll first patient in Phase 3 trial
- H2 2023: Report 12-month Phase 2 data



