#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

#### FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 27, 2024

### Ocuphire Pharma, Inc.

(Exact name of registrant as specified in its charter)

**Delaware** (State or other jurisdiction of incorporation)

**001-34079** (Commission File Number)

11-3516358 (IRS Employer Identification No.)

37000 Grand River Avenue, Suite 120 Farmington Hills, MI (Address of principal executive offices)

**48335** (Zip Code)

Registrant's telephone number, including area code: (248) 957-9024

(Former name or former address, if changed since last report.)

	(Former name of former address, if changed since last report.)				
Ch	Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:				
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)				
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)				
	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))				
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))				
Sec	curities registered pursuant to Section 12(b) of the Act:				

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.0001 par value per share	OCUP	The Nasdag Stock Market LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 ( $\S230.405$  of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 ( $\S240.12b-2$  of this chapter). Emerging growth company  $\square$ 

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.  $\Box$ 

#### Item 7.01 Regulation FD Disclosure

Representatives of Ocuphire Pharma, Inc. (the "Company") plan to share the Investor Presentation attached hereto as Exhibit 99.1 in upcoming meetings with investors and others

The information in this Item 7.01 of this Current Report on Form 8-K, and Exhibit 99.1, is furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), nor shall it be deemed incorporated by reference in any filing made by the Company under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof, except as expressly set forth by specific reference in such a filing.

#### Item 9.01. Financial Statements and Exhibits.

Exhibit No.	Description
<u>99.1</u>	Investor Presentation March 2024
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

#### SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: March 27, 2024 OCUPHIRE PHARMA, INC.

/s/ Dr. George Magrath

By: /s/ Dr. George Magrath
Name: Dr. George Magrath
Title: Chief Executive Officer



Ocuphire Investor Presentation March 2024

#### Disclosures and Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements include, but are not limited to, statements concerning the End-of-Phase 2 meeting with the FDA to align on late-stage registration endpoints and study parameters, the launching of RYZUMVI, the continued development of PS and LDP, our partnership with Viatris, the strength of our cash position, and the potential of APX3330 as an oral treatment for patients with non-proliferative diabetic retinopathy. These forward-looking statements relate to us, our business prospects and our results of operations and are subject to certain risks and uncertainties posed by many factors and events that could cause our actual business, prospects and results of operations to differ materially from those anticipated by such forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those described under the heading "Risk Factors" included in our Annual Report on Form 10-K. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this presentation. In some cases, you can identify forward-looking statements by the following words: "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "ongoing," "plan," "potential," "predict," "project," "should," "will," "would" or the negative of these terms or other comparable terminology, although not all forward-looking statements contain these words. We undertake no obligation to revise any forward-looking statements in order to reflect events or circumstances that might subsequently arise. These forward-looking statements are based upon Ocuphire's current expectations and involve assumptions that may never materialize or may prove to be incorrect. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of various risks and uncertainties, including, without limitation: the success and timing of regulatory submissions and pre-clinical and clinical trials, including enrollment and data readouts; regulatory requirements or developments; changes to or unanticipated events in connection with clinical trial designs and regulatory pathways; delays or difficulties in the enrollment of patients in clinical trials; substantial competition and rapid technological change; our development of sales and marketing infrastructure; future revenue losses and profitability; our relatively short operating history; changes in capital resource requirements; risks related to the inability of Ocuphire to obtain sufficient additional capital to continue to advance its product candidates and its preclinical programs; domestic and worldwide legislative, regulatory, political and economic developments; employee misconduct, changes in market opportunities and acceptance, reliance on third-parties, future, potential product liability and securities litigation, system failures, unplanned events, or cyber incidents; the substantial number of shares subject to potential issuance associated with our Equity Line of Credit arrangement with LPC; risks that our partnership with Viatris, or our other licensing arrangements, may not facilitate the commercialization or market acceptance of Ocuphire's product candidates; future fluctuations in the market price of our common stock; the success and timing of commercialization of any of Ocuphire's product candidates; and obtaining and maintaining Ocuphire's intellectual property rights.

The foregoing review of important factors that could cause actual events to differ from expectations should not be construed as exhaustive. Readers are urged to carefully review and consider the various disclosures made by us in this presentation and in our reports filed with the SEC that advise interested parties of the risks and factors that may affect our business. All forward-looking statements contained in this presentation speak only as of the date on which they were made. Ocuphire undertakes no obligation to update such statements to reflect events that occur or circumstances that exist after the date on which they were made.



2

### Positioned to Transform the Treatment of Diabetic Retinopathy



Diabetic retinopathy market is large and underserved

- DR is the leading cause of blindness in working age adults, impacting 10M patients in the US1,2
- Most patients have early-stage disease (non-proliferative diabetic retinopathy), which is generally untreated and represents a \$6B market3



Oral APX3330 targets earlier-stage DR via multiple pathways

- Current therapies are invasive, often reserved for advanced DR, and do not address multiple disease pathways
- APX3330 may represent a promising oral option for slowing DR progression by inhibiting Ref-1, simultaneously addressing angiogenesis, oxidative stress, and inflammation



- Fewer APX3330-treated subjects experienced DR worsening compared to placebo, demonstrating efficacy on the FDA-confirmed endpoint of ≥ 3-step DRSS worsening on binocular scale
- Fewer APX3330-treated subjects developed proliferative diabetic retinopathy (advanced DR) compared to placebo



Primed for upcoming pivotal Phase 2/3 study

- End-of-phase 2 meeting completed with FDA alignment on primary endpoint
- SPA submitted to secure alignment on study design and statistical analysis plan



Proven development

- Over 60 years of combined Ophthalmology experience
- Senior management involved in the research, development, and approval of numerous Ophthalmic products, including Vabysmo®, Syfovre®, Miebo™, Oxervate®, Ryzumvi™, Xiidra®, Eysuvis®, and Inveltys®



- In partnership with Viatris, Ryzumvi™ expected to launch 1H 2024 for reversal of pharmacologically-induced mydriasis and two ongoing, funded Phase 3 studies in decreased visual acuity under low light conditions and presbyopia
- Provides for potential double-digit royalties and milestone payments

NPDR market calculated based on total DR market size of 8.98 in 2023 and NPDR revenue share of 70.38% in 2023.
AILID, age-related maculoid degeneration, DR, diabetic retinopathy, DRSS, Diabetic Retinopathy Seventy Scale, FDA, Food & Drug Administration; GA, geographic atrophy; NPDR, non-proliferative diabetic retinopathy, PDR, proliferative diabetic retinopathy.

PSR, Special Protocol Assessment.

PA. Special Protocol Assessment.

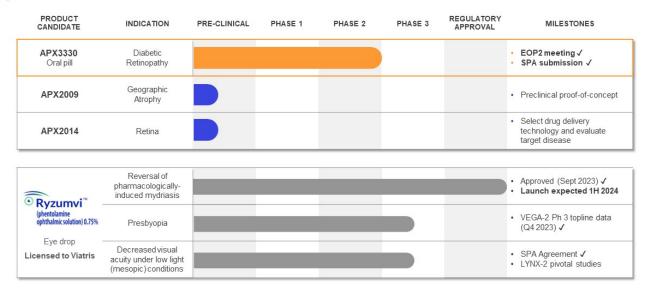
Syspand's a trademark of Generated in in . Syfovre\*is a registered trademark of Apellis Pharmaceuticals, Inc.: Melbo \*\*is a trademark of Bausch + Lomb Incorporated or its affiliates; Oxervate\*is a registered trademark of Dompé Farmaceutici S.p.a.; 
YZUMVI\*\* is a trademark of Ocuphire Pharma, Inc.; Xidra\* is a registered trademark of Sausch + Lomb Incorporated or its affiliates; Eyauvis\* and Inveltys are registered trademarks of Alcon, Inc.

Total Company Preferred Protocol Prevention, Accessed December 21, 2023. 

Total Company Prevention, Accessed D



## APX3330 is the Foundation of Our Retina Pipeline



\*RYZUMVI TM is indicated for the treatment of pharmacologically-induced mydriasis produced by adrenergic agonists (eg, phenylephrine) or parasympatholytic agents (eg, tropicamide). EOP, end of Phase; SPA, Special Protocol Assessment RYZUMVI™ is a trademark of Ocuphire Pharma, Inc.



# Diabetic Retinopathy is the Leading Cause of Vision Loss in Working-Age Adults in the US



Common complication of diabetes, and results from damage to blood vessels in the retina, progressively leading to vision loss and impaired quality of life

	NPDR Non-proliferative Diabetic Retinopathy	PDR Proliferative Diabetic Retinopathy
CLINICAL PRESENTATION	Blood vessels weaken, bulge, close off, or leak into the retina	Growth of new abnormal blood vessels in the retina (neovascularization), vitreous hemorrhage, and scar tissue
C O M M O N S Y M P T O M S	Asymptomatic (early stages) Floaters, blurry vision, dark spots (later stages)	Vision loss, blindness
TREATMENT	"Watch and wait" is SoC IVI anti-VEGF injections (advanced disease)	IVI anti-VEGF injections Panretinal laser photocoagulation Vitrectomy surgery

anti-VEGF, anti-vascular endothelial growth factor therapy, DR, diabetic retinopathy; IVI, intravitreal injection; NPDR, non-proliferative diabetic retinopathy; PDR, proliferative diabetic retinopathy; SoC, standard of care.

1. Diabetic Eyo Disease. National Institute of Diabetes and Digestive and Kidney Diseasess. https://www.ndidk.nh.gov/health-information/diabeties/over/ew/preventing-problems/diabetic-eve-diseases\*: +ts-pibetie/ek/2007-pathy/2018-6/2019-fe/2019-



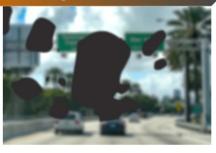
5

## DR Progression Can Have a Significant Impact On Functional Vision

NPDR Minimal visual disruption PDR Significant vision loss







~50% of patients with severe NPDR will progress to PDR in 1 year<sup>1</sup>

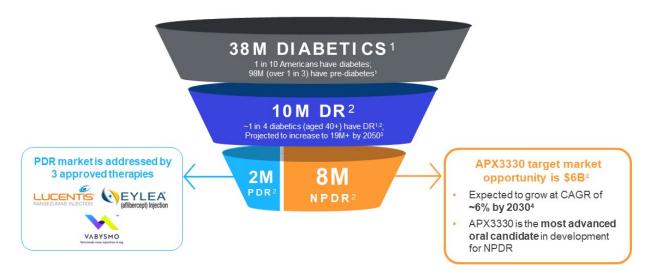
Treating diabetic retinopathy early can reduce the risk of blindness by 95%<sup>2</sup>



c

NOTE: The severity of vision loss varies between individuals with DR
DR, disabetic retinopathy, NPDR, non-proliferative disabetic retinopathy, PDR, proliferative disabetic retinopathy,
1, No authors itseld\_ETDRS\_report number 12 Cophthalmology, 1991;98:623-833. 2. Disabetic Eye Disease. National Institute of
Disabetes and Digestive and Kidney Diseases. https://www.niddk.nih.gov/health-infpmation/disabetes/oven/sev/preventingproblems/disabetic-eye-disease#:-rtext=Disabetic%20retinopathy%20is%20the%20most;of%20bindness%20by%2095%20percent.
Accessed on March 5, 2024.

## NPDR Represents a Large Segment of the Growing DR Market



NPDR market calculated based on total DR market size of 8.98 in 2023 and NPDR revenue share of 70.38% in 2023.\*

CAGR, compound annual growth rate; DR, diabetic retinopathy; NPDR, non-proliferative diabetic retinopathy; PDR, proliferative diabetic retinopathy; DR, provide d



## APX3330 has the Potential to be the First Oral Treatment for DR

	COMPANY	DRUG	PHASE	TARGET	ROA
Φ	Ocuphire	APX3330	Phase 2/3	Ref-1 inhibitor	Oral
ω <u>&lt;</u>	DAÇER E	Runcaciguat	Phase 2	Guanylate cyclase activator	Oral
а Б	Valo	OPL-0401	Phase 2	ROCK 1/2 inhibitor	Oral
e L	<b>W</b> intage	VX-1	Phase 2	AOC-3 inhibitor	Oral
2	Roche	RG7774	Discontinued	CB2 receptor (cannabinoid)	Oral
	OCUTERRA NERAMBUNCS	OTT166	Phase 2 Missed efficacy endpoint	Integrin inhibitor	Eye drop
	COMPANY	DRUG	PHASE	TARGET	ROA
<u></u>	REGENERON	Eylea® (aflibercept)*	Commercial	VEGF-A/B; PIGF	Intravitreal
o i o i	Genentech  A Monther of the Rocke Group	Lucentis® (ranibizumab)†	Commercial	VEGF-A	Intravitreal
5 0	KODIAK	KSI-301 (tarcocimab)	Phase 3	VEGF	Intravitreal
, a	EYEPOINT PHARMACCUTICALS	EYP-1901	Phase 2	Voloronib (TKI)‡	Intravitreal
supr	Boehringer Ingelheim	BI 764524	Phase 2	Anti-Sema3A	Intravitreal
- ×	Ocular	OTX-TKI	Phase 1	Axitinib (TKI)‡	Intravitreal
===	REGENXBIO	RGX-314	Phase 2	AAV8 VEGF	Suprachoroida (gene therapy)

AAV8, adeno-associated virus 8; AOC-3, Amine oxidase copper-containing 3; CB2, cannabinoid receptor 2; DR, diabetic retinopathy; PIGF, placental growth factor, Ref-1, reduction-oxidation effector factor-1; ROCK, rho kinase; Sema3A, semaphorin3A; TKI, tyrosine kinase inhibitor, VEGF, vascular endothelial growth factor.

Fylea\*\* is a registered trademark of Regeneron Paramosaticas, is, i. Lucentis\*\* is a registered trademark of Generon thereto, inc.

Note: Two Tyrosine Kinase and a Plasma Kallikrein Inhibitors failed as orals in Phase 2 due to dose limiting adverse events (e.g., liver and cardiovascular).

Trials to support approval: Panorama clinical trials † Tria

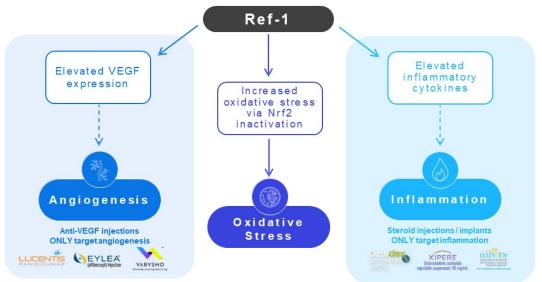


# APX3330

The most advanced oral program currently in development for diabetic retinopathy



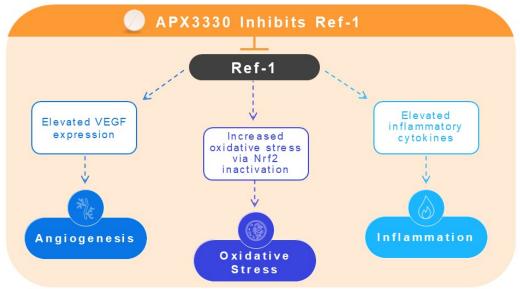
# Ref-1 Mediates Multiple Pathways Involved in DR Current Invasive Treatments Only Target a Single Pathway



NOTE: Ozurdex®, Xipere®, and Iluvien® are not indicated for the treatment of DR.
Lucentis® is a registered trademark of Genentech, inc.; Cyardex is a registered trademark of Regeneron Pharmaceuticals, inc.; Vabysmo® is a trademark of Genentech, inc.; Ozurdex is a registered trademark of Allergan, inc., an AbbVie company, Xipere® is a registered trademark of Clearside Blomedical, inc.; Iluvien is a registered trademark of Allergan, inc., an AbbVie company, Xipere® is a registered trademark of Clearside Pharmaceuticals, inc.; Iluvien is a registered trademark of Allergan for Allergan, inc., an AbbVie company, Xipere® is a registered trademark of Clearside Pharmaceuticals, inc.; Iluvien is a registered trademark of Allergan for Allergan fo



### APX3330 Inhibits Ref-1-mediated Angiogenesis, Oxidative Stress, and Inflammation

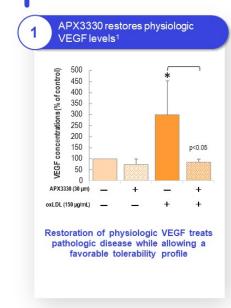


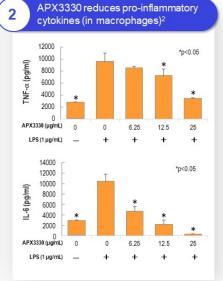
Nr12, nuclear factor erythroid 2-related factor 2; Ref-1, reduction-oxidation effector factor-1; TNF-0; tumor necrosis factor alpha; VEGF, vascular endothelial growth factor.

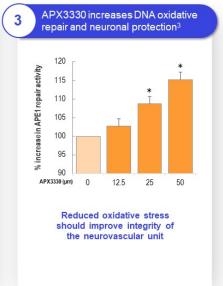
1. Logsdon DP, et al. Sci Rep. 2018;8:13759. 2. Li Y, et al. Redox Biology 2. 2014;485-494. FDA



### In vitro Data Validates Three Clinically Meaningful Pathways in DR







APE-1, apyrimidinic endonuclease 1; ARPE, spontaneously arising retinal epithelial cell line; LPS, lipopolysaccharide; oxLDL, oxidized low density lipoprotein, TNF-α, tumor necrosis factor-alpha; IL-6, interleukin 6; VEGF, vascular endothelial growth factor.

1. Li Y, et al. Redox Biology 2. 2014;485-494. 2. Jedinak A, et al. Anticancer Research. 2011;379-386. 3. Kelley MR, et al. PLoS One. 2014;9:e106485.



# **ZETA-1 Clinical Trial**

A Phase 2 Randomized, Placebo-Controlled, Double-Masked Study of APX3330 in DR is Complete



## ZETA-1 Phase 2 Study Design and Demographics

- Primary endpoint: % of subjects with  $a \ge 2$  step improvement in monocular ETDRS DRSS at week 24
- Study eye: DR graded moderately severe to severe NPDR or mild PDR (monocular DRSS 47, 53, or 61)
- Fellow eye: No exclusion\*



Baseline D	RSS Scores	Placebo (n=52)	<b>APX3330</b> (n=51)
DRSS Scor	re – Study Eye		
47	Moderately severe to severe NPDR	18 (35%)	22 (43%)
53	Moderately severe to severe NPDR	28 (54%)	25 (49%)
61	Mild PDR	6 (12%)	4 (8%)
DRSS Sco	re – Fellow Eye		
43 or Lower	Mild to moderate NPDR or better	12 (23%)	15 (29%)
47	Moderately severe to severe NPDR	22 (42%)	15 (29%)
53	Moderately severe to severe NPDR	11 (21%)	14 (28%)
61	Mild PDR	4 (8%)	1 (2%)
65 or Higher	Moderate to severe PDR	3 (6%)	4 (8%)

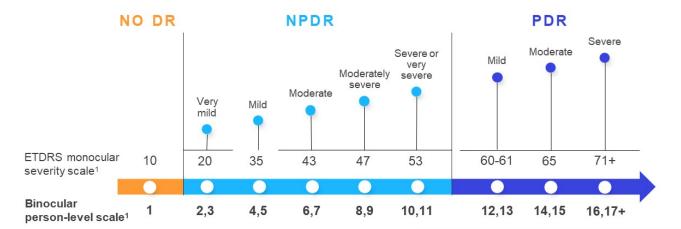
Note: 15 fellow eyes were CST>320 microns (center-involved DME)

"Two APX3330 subjects did not have available DRSS scores in the fellow eye at screening.

BID, twice-daily: CST, central subfield thickness; DME, diabetic macular edema, DRSS, Diabetic Retinopathy Severity Scale; NPDR, non-proliferative diabetic retinopathy; PDR, proliferative diabetic retinopathy; PDR, proliferative diabetic retinopathy; DR, proliferative diabetic retinopathy; PDR, proliferative diabet



### Binocular DRSS is a Validated and Well-Established Scale to **Evaluate Systemic Therapies**



≥ 3-step worsening on the binocular DRSS is considered clinically meaningful

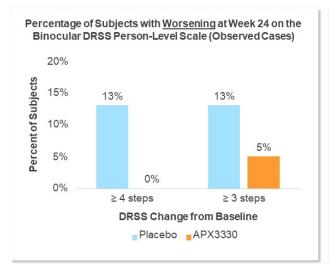
Subjects graded based on fundus photographs (images of the retina taken with a fundus camera).

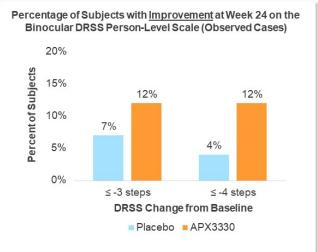
DR, diabetic retinopathy; DRSs, Diabetic Retinopathy Severity Scale; ETDRS, Early Treatment Diabetic Retinopathy Study; NPDR, non-proliferative diabetic retinopathy; PDR, proliferative diabetic retinopathy.

1. Chew EY, et al. N Engl J Med. 2010;383:233-44.



### ZETA-1 Analysis: Fewer APX3330-treated Subjects Worsened and More Improved

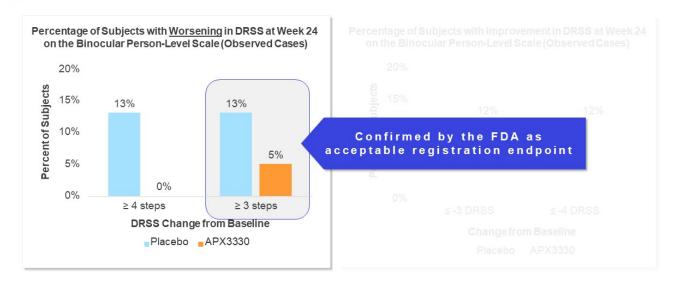




Observed differences between groups were not statistically significant. DRSS, Diabetic Retinopathy Severity Scale.
Observed cases: Subjects with DRSS scores at week 24.
Source: Zeta 1 Table 14: 2.2.9.2



## ZETA-1 Analysis: Fewer APX3330-treated Subjects Worsened

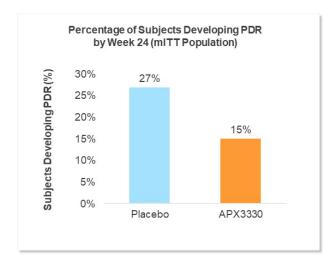


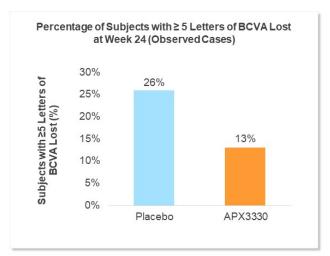
Observed differences between groups were not statistically significant. DRSS, Diabetic Retinopathy Severity Scale; FDA, Food & Drug Administration. Observed cases: Subjects with DRSS scores at week 24. Source: Zeta 1 Table 14.2.2.9.2



### APX3330 Decreased Rates of Developing PDR and Vision Loss

APX3330 prevented progression of structural retinal abnormalities





Observed differences between groups were not statistically significant. BCVA, best-corrected visual acuity, mITT, modified intention-to-treat; PDR, proliferative diabetic retinopathy. Observed cases: Subjects with DRSS score at week 24. Source: ZETA-1 Table 14.2.6.7.2; Table 14.3.6.5



### APX3330 Demonstrated a Favorable Safety and Tolerability Profile Consistent with Prior Studies

	Placebo (n=52)	APX3330 (n=51)
Total AEs	120	91
Total treatment-related AEs	14	14
Subjects with treatment- related AEs	10 (20%)	10 (19%)
Withdrawals due to treatment-related AEs	1 (2%)	1 (2%)

AEs in >5%	of Subjects	
	o. oabjooto	

* d	All AEs		Treatment-related AEs	
	Placebo (n=52)	APX3330 (n=51)	Placebo (n=52)	APX3330 (N=51)
Ocular AEs		1		
DME	5 (10%)	2 (4%)	1 (2%)	0
DR	6 (12%)	1 (2%)	1 (2%)	0
Vitreous detachment	3 (6%)	0	0	0
Cataract	1 (2%)	3 (6%)	0	0
Non-ocular AEs				
Pruritus (itching)	1 (2%)	6 (12%)	1 (2%)	3 (6%)
Rash	1 (2%)	3 (6%)	1 (2%)	2 (4%)
COVID-19	5 (10%)	1 (2%)	0	0
SARS CoV-2 test positive	3 (6%)	0	0	0

AE, adverse event; DME, diabetic macular edema, DR, diabetic retinopathy Source: ZETA-1 Clinical Trial. Tables: 14.3.1.1, 14.3.1.7, 14.3.1.10, 16.2.7.

#### **APX3330 Safety Profile**

- · Ocular AEs similar between APX3330 and placebo
- Lower incidence of clinical DME/DR worsening with APX3330
- · Pruritis was mild and resolved without APX3330 dose deescalation or discontinuation
- Subjects with DR continued routine medications to manage comorbid conditions



# **ZETA-2 Clinical Trial**

A Phase 2/3 Randomized, Placebo-Controlled, Double-Masked Study of APX3330 in NPDR is Planned

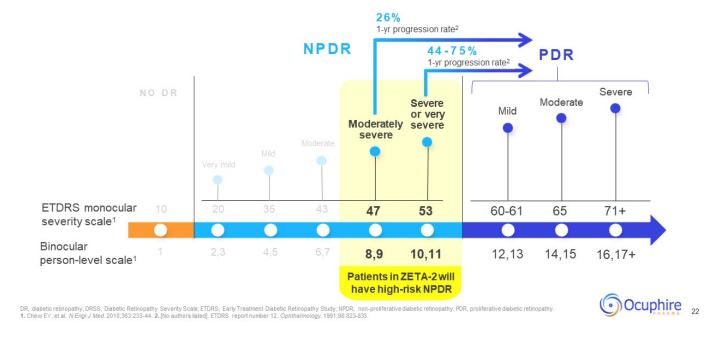


# Optimizing ZETA-2 for Success

Phase 2 ZETA-1		Phase 2/3 ZETA-2
Duration	24 weeks (6 months)	48 weeks (12 months)
Eligibility	Study eye (1 eye)	Binocular (2 eyes)
Sample size	N=103	N=300
Primary endpoint	≥ 2-step DRSS improvement in the study eye	≥ 3-step DRSS worsening on a binocular person-level scale
Baseline DRSS score	47, 53, 61 in study eye; Fellow eye no exclusion	47 or 53 in one eye; Fellow eye 43, 47, 53
Key exclusion	DME in study eye	PDR or DME in either eye



# High-Risk NPDR Patients are More Likely to Progress Thereby Providing an Enriched Study Population for ZETA-2



# Observed Rates of Progression Increase as DR Severity Increases Based on Landmark NEI ETDRS Study of Over 3,700 Patients

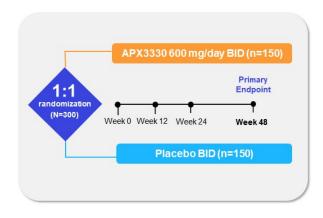
Dlacebo	DRSS lev	el	1-year progression rate to ANY PDR1	1-year progression rate to HIGH-RISK PDR <sup>2</sup>
Placebo progression	43	Moderate NPDR	12%	3%
rate	47	Moderately severe NPDR	26%	9%
≥3 steps correlates	53a to d	Severe NPDR	44 – 51%	15%
with PDR	53e	Very Severe NPDR	75%	45%
development		Mild PDR	1-	22%
	≥65	Moderate PDR	-	46%

In ZETA-1, 13% of placebo patients worsened by ≥3 steps at 6 months, consistent with observed rates in this landmark study<sup>3</sup>

DR, diabetic retinopathy; NEI, National Eye Institute; NPDR, non-proliferative diabetic retinopathy; PDR, proliferative diabetic retinopathy; PDR, proliferative



## Optimized Study Design Positions ZETA-2 for Success





- ≥3 step worsening is associated with a higher likelihood of PDR progression in the proposed study population
- Significant placebo progression rates expected due to duration and population
- Study is powered above 80% to detect delta between APX3330 and placebo, similar to ZETA-1

Ocuphire 24

BID, twice-daily; NPDR, non-proliferative diabetic retinopathy

## Globally Recognized Retina Specialists Support APX3330 Development



"If ZETA-1 results are repeated in Phase 3, I would place virtually all of my diabetic patients on oral APX3330 and treat locally only as needed."

Jeff Heier, MD Ophthalmic Consultants of Boston



"Ref-1 biology targets three pillars of diabetic eye disease: angiogenesis, inflammation, and oxidative stress. This is promising in the quest to provide non-invasive, early options for patients."

Peter Kaiser, MD Cleveland Clinic



"I enjoy working with the team to develop an innovative protocol design to enroll the patients most likely to have progressive disease while keeping the study practical to help enrollment."

Arshad Khanani, MD Sierra Eye Associates



# Partnership with Viatris

Ryzumvi ™ (phentolomine ophthalmic solution) 0.75%



RYZUMVI™ is a trademark of Ocuphire Pharma. Inc

### Global Partnership with Viatris for Ryzumvi ™



Partner for global commercialization



Fully-funded development; Viatris responsible for commercialization



Allows Ocuphire to focus on APX3330 and pipeline



Strengthens cash position

- Ryzumvi approved for the reversal of pharmacologicallyinduced mydriasis and expected to launch in 1H 2024
- Licensing agreement provides funding for 2 additional indications, with Viatris responsible for commercialization
- Two Phase 3 studies ongoing in presbyopia and dim light disturbances
- Received \$35M upfront cash payment upon licensing agreement
- \$120M in potential regulatory and commercial milestone payments → first \$10M milestone met for Ryzumvi approval
- Potential for tiered double-digit royalties



RYZUMVI™ is a trademark of Ocuphire Pharma, Inc.

## All 3 Indications Have Sizeable Potential US Patient Populations



100M

eye dilations conducted every year2



133M

presbyopes3



acuity under low light conditions

600-700K

laser vision correction procedures per year4

35% of LASIK patients report dim light disturbances5

\*RYZUMVI TM is indicated for the treatment of pharmacologically-induced mydriasis produced by adrenergic agonists (eg, phenylephrine) or parasympatholytic agents (eg, tropicamide).

RYZUMVI™ is a trademark of Ocuphire Pharma, Inc.
1. Ryzumvi Prescribing information. Ocuphire Pharma, Inc.; 2023. 2. Wilson FA, et al. J Ophthalmol. 2015;2015;435606.3. Berdahl J, et al. Clin Ophthalmol. 2020;14:3439:3450. 4. LindstromRL.
Millennials will be the next target for laser vision correction. Ocular Surgery News. April 1, 2019. Accessed December 12, 2023. https://www.healio.com/news/ophthalmology/20190329/millennials-will-be-the-next-larget-for-laser-vision-correction 6. Mamails N. J Calaract Refract Surg. 2014;40:343-344.



## Highly Experienced Team with Meaningful Expertise





#### **Ophthalmic Experts**

- Over 60 years of proven clinical, commercial, and transaction experience
- Involved in the research, development, and approval of numerous Ophthalmic products:





Ocuphire is Positioned to Transform the Treatment of Diabetic Retinopathy



Extensive understanding of large, underserved DR market



Addressing unmet needs by targeting multiple DR pathways with oral treatment



Demonstrated efficacy in slowing DR progression in completed Phase 2 study



Primed for pivotal Phase 2/3 study with FDA-confirmed endpoint



Proven development team with decades of Ophthalmic expertise



Revenue-generating partnership strengthens cash position

DR, diabetic retinopathy; FDA, Food and Drug Administration

