
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, DC 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): **February 22, 2022**

OCUGEN, INC.
(Exact Name of Registrant as Specified in its Charter)

Delaware
(State or Other Jurisdiction of
Incorporation)

001-36751
(Commission
File Number)

04-3522315
(I.R.S. Employer
Identification Number)

**263 Great Valley Parkway
Malvern, Pennsylvania 19355
(484) 328-4701**

(Addresses, including zip code, and telephone numbers, including area code, of principal executive offices)

N/A
(Former Name or Former Address, if Changed Since Last Report)

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 (see General Instruction A.2. below):

- 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))
-

Securities 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, \$0.01 par value per share	OCGN	The Nasdaq Stock Market LLC (The Nasdaq Capital Market)

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

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.

Item 8.01 Other Events.

Attached as Exhibit 99.1 hereto and incorporated herein by reference is a presentation that Ocugen, Inc. will post on its website on February 22, 2022 and may use from time to time in presentations or discussions with investors, analysts, and other parties.

Item 9.01 Financial Statements and Exhibits.

The following exhibits are being filed herewith:

(d) Exhibits

<u>Exhibit No.</u>	<u>Document</u>
99.1	Ocugen, Inc. Presentation.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document).

SIGNATURE

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

Date: February 22, 2022

OCUGEN, INC.

By: /s/ Shankar Musunuri
Name: Shankar Musunuri
Title: Chief Executive Officer and Chairman



Taking Science to New Heights for Patients

February 2022
NASDAQ: OCGN

Forward Looking Statement

This presentation contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995, which are subject to risks and uncertainties. We may, in some cases, use terms such as “predicts,” “believes,” “potential,” “proposed,” “continue,” “estimates,” “anticipates,” “expects,” “plans,” “intends,” “may,” “could,” “might,” “will,” “should” or other words that convey uncertainty of future events or outcomes to identify these forward-looking statements. Such forward-looking statements include information about qualitative assessments of available data, potential benefits, expectations for clinical trials, and anticipated timing of clinical trial readouts and regulatory submissions. This information involves risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements. Risks and uncertainties include, among other things, the uncertainties inherent in research and development, including the ability to meet anticipated clinical endpoints, commencement and/or completion dates for clinical trials, regulatory submission dates, regulatory approval dates and/or launch dates, including the risk that such dates are not met due to impacts from the ongoing COVID-19 pandemic, as well as risks associated with preliminary and interim data, including the possibility of unfavorable new clinical trial data and further analyses of existing clinical trial data; the risk that the results of in-vitro studies will not be duplicated in human clinical trials; the risk that clinical trial data are subject to differing interpretations and assessments, including during the peer review/publication process, in the scientific community generally, and by regulatory authorities; whether and when data from Bharat Biotech’s clinical trials will be published in scientific journal publications and, if so, when and with what modifications; whether the data and results from preclinical and clinical studies of COVAXIN™, which have been conducted by Bharat Biotech in India, will be accepted by the U.S. Food and Drug Administration (“FDA”) or otherwise sufficient to support our Emergency Use Authorization (“EUA”) or Investigational New Drug applications (“IND”), as applicable; whether the FDA will accept our IND submissions without any changes, or if we are required to submit additional information to the FDA in support of our IND submissions, the extent and significance of any such changes; the size, scope, timing and outcome of any additional trials or studies that we may be required to conduct to support an EUA or Biologics License Application (“BLA”) for COVAXIN™, including our planned phase 3 clinical trial for which we have submitted an IND to the FDA; whether the U.S. Food and Drug Administration (“FDA”) will authorize COVAXIN™ for administration as a vaccine for pediatric uses against COVID-19 pursuant to the EUA we submitted with the FDA and the timing and scope of any such authorization; any additional chemistry, manufacturing, and controls information that we may be required to submit; the timing of our BLA filing; whether and when a BLA for COVAXIN™ will be submitted to the FDA; whether and when a BLA may be approved by the FDA, whether a New Drug Submission application may be approved by Health Canada, and whether the additional information that we provide to Health Canada will be sufficient to support an approval by Health Canada and any delays associated therewith; the authorizations or approvals will depend on myriad factors, including making a determination as to whether the vaccine candidate’s benefits outweigh its known risks and determination of the vaccine candidate’s efficacy and, if authorized or approved, whether it will be commercially successful; whether developments with respect to the COVID-19 pandemic will affect the regulatory pathway available for vaccines in the United States, Canada, or other jurisdictions; manufacturing capabilities, manufacturing capacity, and supply restrictions, including whether sufficient doses of COVAXIN™ can be manufactured or supplied within our projected time periods; market demand for COVAXIN™ in the United States or Canada; decisions by the FDA or Health Canada impacting labeling, manufacturing processes, safety, and/or other matters that could affect the availability or commercial potential of COVAXIN™ in the United States or Canada, including development of products or therapies by other companies. These and other risks and uncertainties are more fully described in our periodic filings with the Securities and Exchange Commission (“SEC”), including the risk factors described in the section entitled “Risk Factors” in the quarterly and annual reports that we file with the SEC. Any forward-looking statements that we make in this presentation speak only as of the date of this presentation. Except as required by law, we assume no obligation to update forward-looking statements contained in presentation whether as a result of new information, future events, or otherwise, after the date of this presentation.



Ocugen: A Diversified Portfolio Designed to Serve Unmet Needs



Vaccine development with a COVID-19 vaccine candidate.

Modifier gene therapies designed to cure multiple rare and broad diseases with one product.

Novel biologic treatment targeting diabetic macular edema, diabetic retinopathy, and wet age-related macular degeneration






An integrated capability to bring innovations to the market

Research | Clinical Development
| Manufacturing | Medical |
Regulatory | Commercial

Strong balance sheet

Pipeline Overview

	 Asset/Program	 Indication	 Status
Vaccine	COVAXIN™ (BBV152) Whole-Virion Inactivated Vaccine	COVID-19	US pediatric EUA under review* US Phase 2/3 (Immuno-bridging and Broadening)*
Modifier Gene Therapy Platform	OCU400 *** AAV-hNR2E3	Gene mutation-associated retinal degeneration**	
		<i>NR2E3 Mutation</i>	Phase 1/2
		<i>RHO Mutation</i>	Phase 1/2
		<i>CEP290 Mutation</i>	To be submitted
		<i>PDE6B Mutation</i>	To be submitted
OCU410 AAV-hRORA	Dry Age-Related Macular Degeneration (Dry AMD)**	Preclinical	
Novel Biologic	OCU200 Transferrin – Tumstatin	Diabetic Macular Edema	Preclinical
		Diabetic Retinopathy	Preclinical
		Wet Age-Related Macular Degeneration (Wet AMD)	Preclinical



* Based upon preclinical, CMC, and clinical and safety data provided by Bharat Biotech

** No approved therapies exist

<https://www.aao.org/eye-health/diseases/retinitis-pigmentosa-treatment> | <https://www.aao.org/eye-health/diseases/amd-treatment>

*** Orphan designation in the US

Broad orphan medicinal product designation in the EU for the treatment of both retinitis pigmentosa (RP) and Leber Congenital amaurosis (LCA)



COVAXIN™ (BBV152)

A Whole-Virion Inactivated COVID-19
Vaccine Candidate
Licensed from Bharat Biotech (BBIL) for the
US and Canadian Markets

Forward Momentum for COVAXIN™ (BBV152)



01

U.S. FDA lifts clinical hold on IND submission of COVAXIN™, paving way for clinical trials supporting BLA

Pediatric (2-18) Emergency Use Authorization submission updated with safety and Omicron data



02

Results of Phase 3 clinical trial for COVAXIN™ published in *The Lancet*;

WHO grants COVAXIN™ Emergency Use Listing, broadening global portfolio of COVID-19 options;

Comprehensive responses submitted to Health Canada against notice of deficiencies



03

Letter-of-Intent signed with Liminal BioSciences for acquisition of new Canada-based manufacturing facility

Manufacturing partner selected;

Tech transfer from Bharat Biotech in progress;

Targeting 100M doses/year

Product Profile

COVAXIN™ (BBV152): Whole Virion Inactivated SARS-CoV-2 Antigen & Adjuvant: 6ug/SHD + Algel-IMDG (TLR7/8 Agonist)



Proposed indication

Prevention of COVID-19 caused by SARS-CoV-2



Target population

Pediatric: 2-18 years of age
Adult: 18 years of age and older



Dose Level and Regimen

6 ug per 0.5 mL suspension;
2 Doses: Day 0 & Day 28



Presentation

Ten doses per vial



Expected Shelf Life

Two years in storage conditions of 2°- 8°C and stable for six months at room temp (25°C)



SHD = single human dose
IMDG = Imidazo quinolin gallamide

Why COVAXIN™ (BBV152)?

Designed to augment our North American arsenal of vaccines against COVID-19

DESIGNED FOR BROAD SPECTRUM IMMUNE RESPONSE 01

- Data suggest both humoral & cellular responses generated against multiple viral proteins
- Data support that the vaccine induces a Th1 response (cell-mediated immunity) which can be vital for durable protection

RESULTS AGAINST OVERALL, SEVERE AND DELTA VARIANT 02

- Only vaccine with Phase 3 clinical trial data suggesting broad protection against variants of concern

KNOWN SAFETY PROFILE 03

- Phase 3 adverse event profile similar to placebo
- Technology platform used to produce Polio, Influenza and Rabies vaccines

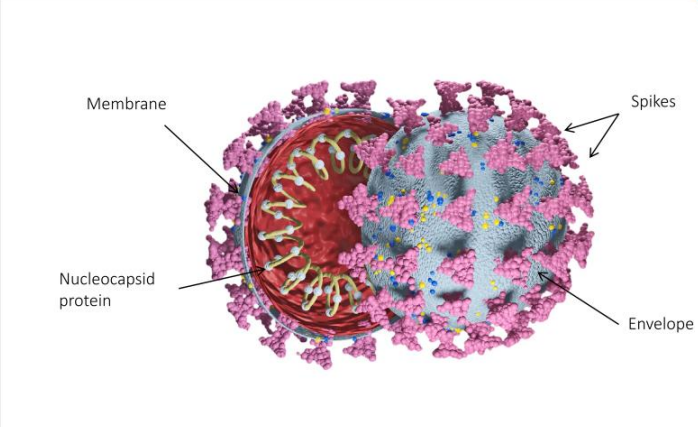
TRANSPORTATION AND STORAGE EASE 04

- 10 dose vial that can be stored and shipped at 2° - 8° C, with an expected 2-year shelf life in storage conditions at 2° - 8° C and stable for six months at room temperature (25°C)



Image for illustrative purposes only

Why COVAXIN™ (BBV152)? Broad Spectrum Response

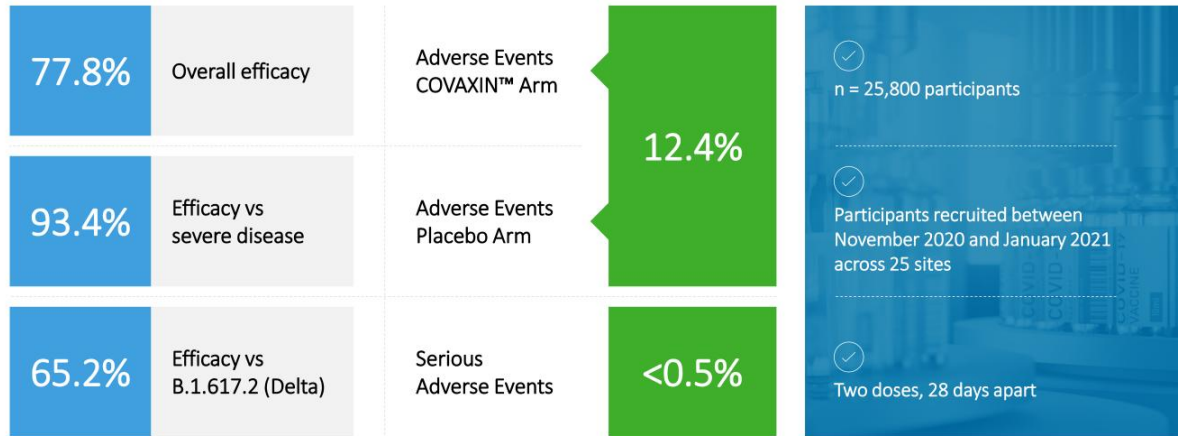


The diagram illustrates the structure of a SARS-CoV-2 virus particle. It is a spherical virus with a red outer layer labeled 'Membrane' and a blue inner layer labeled 'Envelope'. The surface is covered with pink, crown-like structures labeled 'Spikes'. Inside the virus, a red, cylindrical structure is labeled 'Nucleocapsid protein'.

Research suggests COVAXIN™ elicits a strong IgG responses against spike protein, receptor-binding domain, and the nucleocapsid protein of SARS-CoV-2 along with strong cellular responses

Current mRNA and adenovirus-based vaccines only elicit responses against the spike protein

Why COVAXIN™ (BBV152)? The Only COVID-19 Vaccine Candidate with Clinical Results Against Delta Variant



Source: Elna, Reddy, Blackwelder, Potdar, Yadav, Sarangi et al. (2021) Efficacy, safety, and lot-to-lot immunogenicity of an inactivated SARS-CoV-2 vaccine (BBV152): interim results of a randomised, double-blind, controlled, phase 3 trial; The Lancet. Advanced online publication: [https://doi.org/10.1016/S0140-6736\(21\)00000-6](https://doi.org/10.1016/S0140-6736(21)00000-6) Accessed November 31, 2021

Summary of Efficacy and Safety Results from Phase 3 Clinical Trial

Parameter	Cases			Vaccine efficacy (95% CI)
	BBV152	Placebo	Total	
Symptomatic	24	106	130	77.8% (65.2 – 86.4)
Severe	1	15	16	93.4% (57.1 – 99.8)
Asymptomatic	13	33	46	63.6% (29.0 – 82.4)

Adverse Events	BBV152 (n=12879)		Placebo (n=12874)		Total (n=25753)	
	m	n (%)	m	n (%)	m	n (%)
All adverse events	2930	1597 (12.40)	3029	1597 (12.41)	5959	3194 (12.40)
Unsolicited adverse events	981	489 (3.80)	1309	609 (4.73)	2290	1098 (4.26)
All serious adverse events	40	39 (0.30)	66	60 (0.47)	106	99 (0.38)

1

Primary endpoint:
Preventing symptomatic COVID-19 occurring at least 14 days after second dose

2

Secondary endpoint:
Efficacy in subgroups based on age (18 – 59 years; ≥60 years)

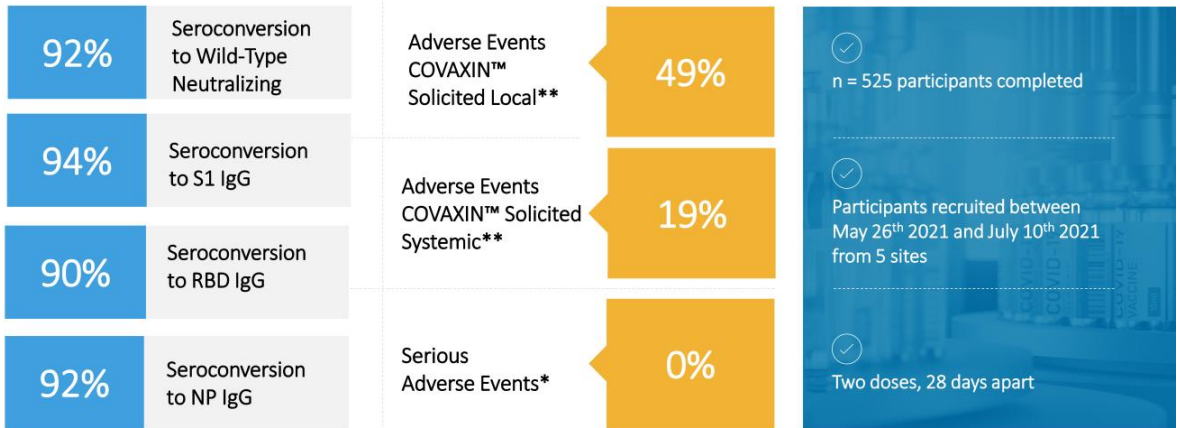
Source: Elib, Reddy, Blackwelder, Potdar, Yadav, Sarangi et al. (2021) Efficacy, safety, and lot-to-lot immunogenicity of an inactivated SARS-CoV-2 vaccine (BBV152): interim results of a randomised, double-blind, controlled, phase 3 trial; The Lancet. Advanced online publication: [https://doi.org/10.1016/S0140-6736\(21\)00000-6](https://doi.org/10.1016/S0140-6736(21)00000-6) Accessed November 31, 2021



COVAXIN™ (BBV152) Pediatric Trial Data Summary

Immunobridging study to the adult safety and efficacy trial demonstrated equivalency of immune protection based on neutralization antibody response.

GMTR observed was 1.32 that was statistically significant above the margin of 0.67



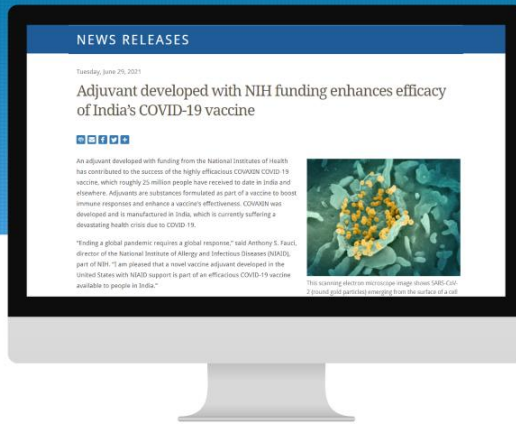
*SAEs characterized as hospitalizations, myocarditis, pericarditis, Guillan-Barré Syndrome, thrombosis, anaphylactic reactions

**AEs included site pain, redness, swelling, stiffness, tenderness, body pains, fatigue, headache - mostly mild and resolving within 24 hours



Source: Vadrevu K, Reddy S, Jogdand H, et al. Immunogenicity and safety of an inactivated SARS-CoV-2 vaccine (BBV152) in children from 2 to 18 years of age: an open-label, age-de-escalation phase 2/3 study; <https://www.medrxiv.org/content/10.1101/2021.12.28.21268468v1>

The Role of the Adjuvant in COVAXIN™ (BBV152)



Source: National Institutes of Health; June 29, 2021. <https://www.nih.gov/news-events/news-releases/adjuvant-developed-nih-funding-enhances-efficacy-indias-covid-19-vaccine>; accessed July 12, 2021



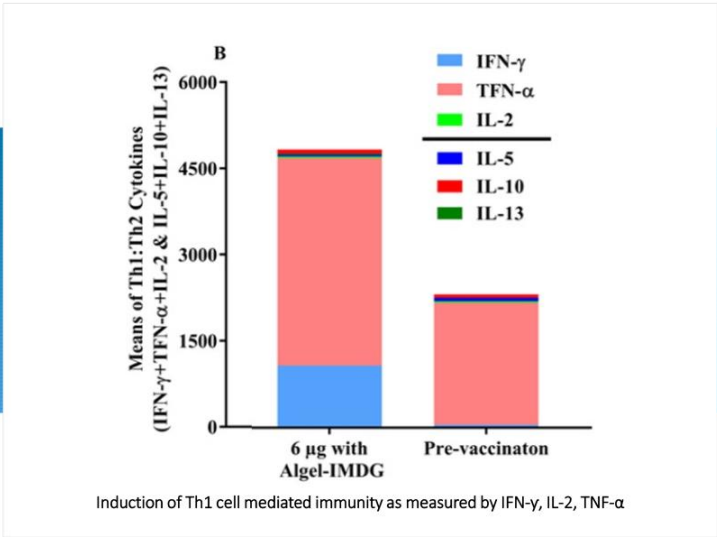
Expert commentary suggests adjuvant provides additional enhancement to elicit immune responses supporting broad protection

Adjuvatisation helps to optimise COVID-19 vaccine candidate

Overall, Algel-IMDG-adjuvanted BBV152 was safe, immunogenic, and able to induce Th1-biased T-cell responses, and could therefore be a potentially superior vaccine over the alum-adjuvanted inactivated COVID-19 vaccines.

Source: Adjuvatisation helps to optimize COVID-19 vaccine candidate; Jing Xin, L. Feng Cai, Z. Lancet Infect Dis 2021; Published Online March 8, 2021; [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(21\)00094-3/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(21)00094-3/fulltext); accessed Sept 7, 2021

Data Suggest Th1 Mediated Response Boosted by Novel Adjuvant

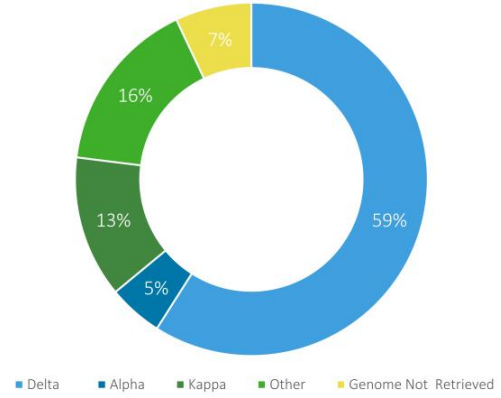
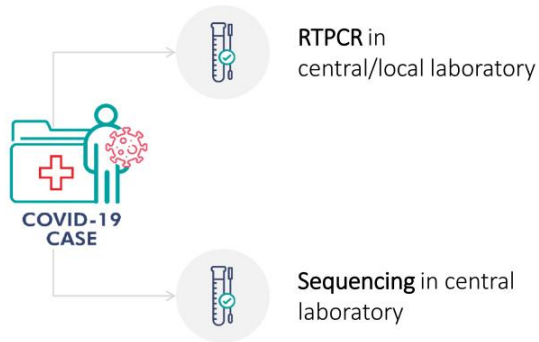


Source: *Lancet Infect Dis* 2021; 21: 950-61 Published Online March 8, 2021 [https://doi.org/10.1016/S1473-3099\(21\)00070-0](https://doi.org/10.1016/S1473-3099(21)00070-0)

Percentage of Infections by Variants



Data on file



N=85 Swab Samples Genome Sequenced in Central Lab



COVAXIN™ (BBV152) Efficacy Against Variants in Phase 3 Trial

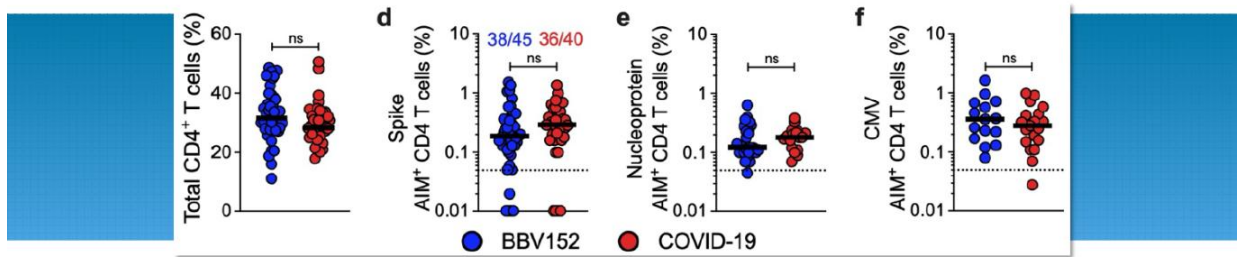
Variants (VOC/VOI)	Total number of cases n/N	BBV152 n/N	Placebo n/N	Vaccine efficacy % (CI)*
B.1.617.2 (Delta)	50/16973	13/8471	37/8502	65.2 (33.1 – 83.0)
B.1.617.1 (Kappa)	11/16973	1/8471	10/8502	90.1 (30.4 – 99.8)
B.1.1.7 (Alpha)	4/16973	1/8471	3/8502	--
Other	14/16973	3/8471	11/8502	73.0 (-2.2 – 95.2)
Completed genome not retrieved	6/16973	0/8471	6/8502	--
All variant related severe COVID-19	4/16973	0/8471	4/8502	--

Data include per protocol population only. Efficacy estimates were only reported for at least 10 symptomatic cases. In those participants who met the definition for symptomatic COVID-19 and were PCR positive an additional nasopharyngeal swab for genotyping was collected. Other pangolin lineages detected include D614G (n=7), B.1.36 (n = 3), B.1.1.419 (n = 1), B. 1.153 (n = 1), B. 1.351 and B.1.618 (n = 1 each in placebo). The > 1 lower bound of 95%CI for mean ratio indicates a statistical significance. In breakthrough symptomatic Delta variant infections, the viral load in the vaccine arm was significantly lower than the placebo arm.



Source: Lancet Infect Dis 2021; 21: 950–61 Published Online March 8, 2021 [https://doi.org/10.1016/S1473-3099\(21\)00070-0](https://doi.org/10.1016/S1473-3099(21)00070-0)

Data shows COVAXIN™ produces a robust immune memory against multiple targets comparable to those following natural COVID-19 infection



- 71 vaccinated subjects and 73 subjects naturally-infected with COVID-19 were tested for cellular immune memory to SARS-CoV-2, variants of concern
- COVAXIN™ induced robust immune memory in T and B cells to SARS-CoV-2 and VOCs which persisted at least 6 months after vaccination
- Level of vaccine-induced spike and nucleoprotein antibodies titers demonstrated to be comparable to natural infection
- Immune memory against conserved nucleoprotein may provide an added advantage over spike-only responses

COVAXIN™ (BBV152) May Help Reduce *Transmission Rate* from Breakthrough Infections



~150-fold reduction in viral load in nasopharyngeal swabs of COVAXIN™ vaccinated individual compared to placebo

Ct values	All cases	BBV152	Placebo mean	Mean ratio of BBV152/ Placebo (95% CI)
B.1.617.2 (Delta) – E gene	20.11	25.55	18.20	1.42 (1.28, 1.57)
B.1.617.2 (Delta) – ORF gene	22.97	28.29	21.09	1.35 (1.24, 1.46)

Source: Elna, Reddy, Blackwelder, Potdar, Yadav, Sarangi et al. (2021) Efficacy, safety, and lot-to-lot immunogenicity of an inactivated SARS-CoV-2 vaccine (BBV152): interim results of a randomised, double-blind, controlled, phase 3 trial; The Lancet. Advanced online publication: [https://doi.org/10.1016/S0140-6736\(21\)00000-6](https://doi.org/10.1016/S0140-6736(21)00000-6) Accessed November 31, 2021



Extensive Publication Portfolio of the COVAXIN™ (BBV152) Clinical Development Journey

Publications found at ocugen.com





MODIFIER GENE THERAPY PLATFORM

Breakthrough technology designed to address many rare diseases
as well as complex diseases that affect millions

Forward Momentum for OCU400/OCU410



01

Phase 1/2 clinical trials studying **OCU400** for the treatment of retinitis pigmentosa resulting from genetic mutations of NR2E3 and RHO now enrolling



02

Successfully completed manufacturing at commercial scale (200L) at CanSinoBio to support OCU400 clinical studies



03

Expanded manufacturing agreement with CanSinoBio to include support for **OCU410**

Our Focus: Nuclear Hormone Receptor Genes (NHRs)

WHY?



NHRs are modulators of retinal development & function, acting as “master genes” in the retina



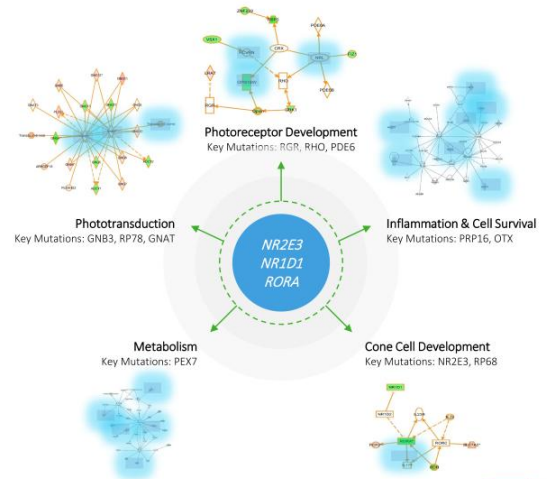
Molecular reset of key transcription factors and associated gene networks – retinal homeostasis



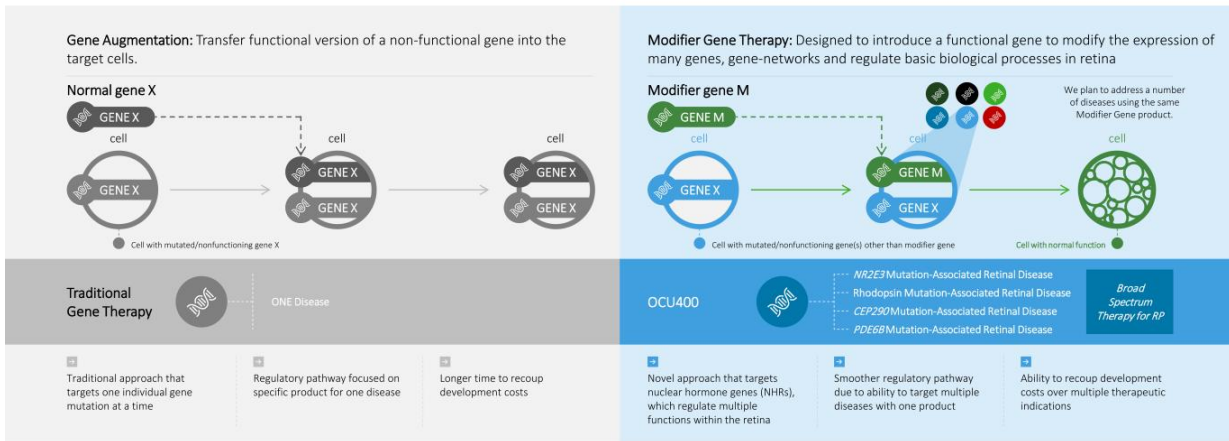
Gene modifier concept including, its impact on clinical phenotypes, is well known in other disease areas, such as cystic fibrosis and spinal muscular atrophy

*References:

<https://pubmed.ncbi.nlm.nih.gov/28556246/> | <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5409218/>
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4339951/> | <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0183326>



Our Vision: Modifier Gene Therapy vs Traditional Gene Augmentation



Our Proof of Principle: Published in Nature Gene Therapy

- Efficacy results shown in 5 unique mouse models of RP
- Technology developed at Harvard Medical School, Dr. Neena Haider's Lab
- Study suggests potency of modifier gene therapy to elicit broad-spectrum therapeutic benefits in early and advanced stages of RP
- Results suggest evidence of vision rescue in Early & Advanced Stages of disease



Important milestone for development of therapy; demonstrated proof of principle



Protection elicited in multiple animal models of degeneration caused by different mutations

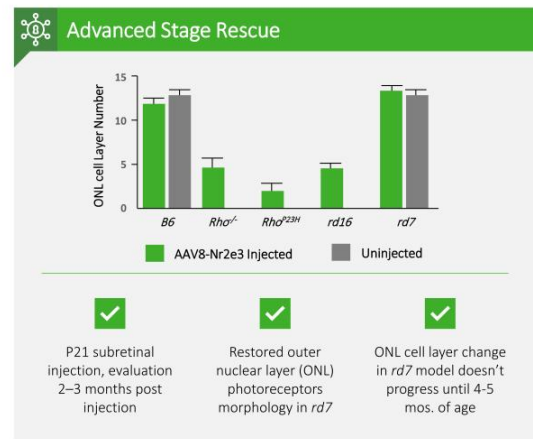
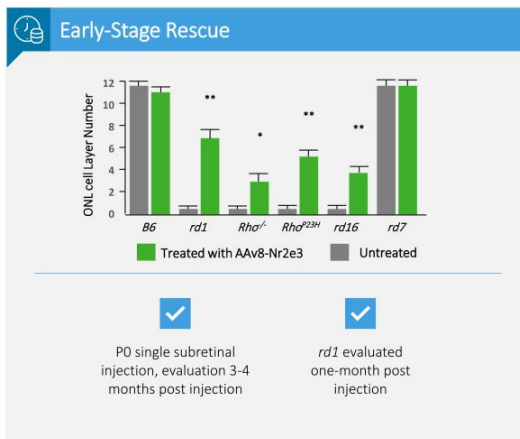


Potential to represent first broad-spectrum therapy and to provide rescue even after disease onset

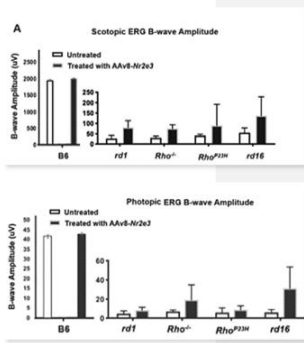
natureresearch

<https://www.nature.com/articles/s41434-020-0134-z>

Data Show How OCU400 Inhibits Disease Progression and Rescues Vision in Both Early and Advanced Stages



OCU400 Demonstrates Improved Vision Signals in Retina



Electroretinogram (ERG) Response Reveals Rescue under Both Scotopic (dim-lit) as well as Photopic (well-lit) Conditions



ERG response:
P0 single subretinal injection, evaluation
3-4 months post injection

How these data matter:

Human vision is enabled by three primary modes

Scotopic vision

Monochromatic vision in very low light, which functions primarily due to rod cells in the eye

Photopic vision

Vision under well-lit conditions, which provides for color perception and functions primarily due to cone cells in the eye

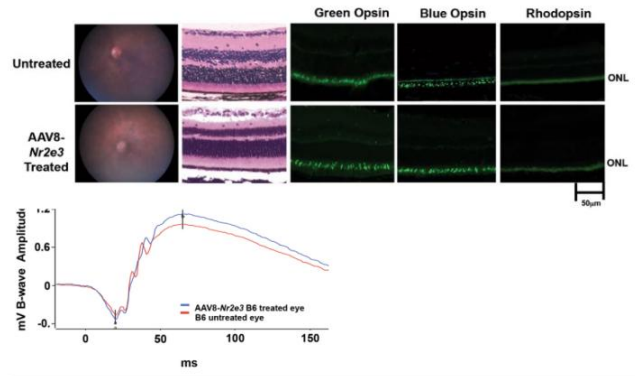
Mesopic vision

A combination of photopic vision and scotopic vision in low lighting, which functions due to a combination of rod and cone cells in the eye

OCU400 Demonstrated Safety in Mouse Model



Study results confirm overexpression of *Nr2e3* by subretinal injection is not detrimental to retina creating no off-target effects















nature research
<https://www.nature.com/articles/s41434-020-0134-z>

OCU400 – Clinical and Regulatory Strategy

Planned timeline



OCU400 – Competitive Overview

Features	OCU400	Traditional Gene Therapy	Cell Therapy
		       	  
One product for many IRDs (including broad RP indication)	✓	✗	✓ Limited
Technology established in the ocular disease space	✓	✓	✗
POC data in RP models with different genetic mutations	✓	✗	✗
Expected long-term outcome	Potentially longer benefit due to promotion of homeostasis	Potentially limited due to loss of retinal cells over time	Not established
Target Patient Population	Large	Small (specific to mutation)	Variable
Developmental cost	Low (economies of scale)	High (No economies of scale)	High

 Potential Competitors pursuing treatment of RP with Traditional Gene Therapy

 Potential Competitors pursuing treatment of RP with Cell Therapy

OCU410 (AAV-RORA): Dry Age-Related Macular Degeneration

We believe OCU410 has the potential to address this disease through its multi-factor approach



Normal Retina



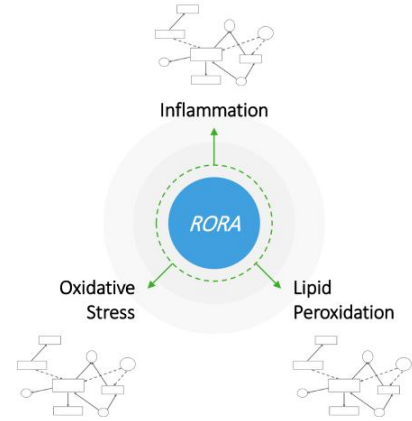
Dry AMD

Dry AMD

- Leads to irreversible blindness due to degeneration of the retina
- ~9-10M patients in the U.S.
- Currently no approved treatment for Dry AMD

Contributing Factors

- Aging
- Genetics
- Environmental Factors



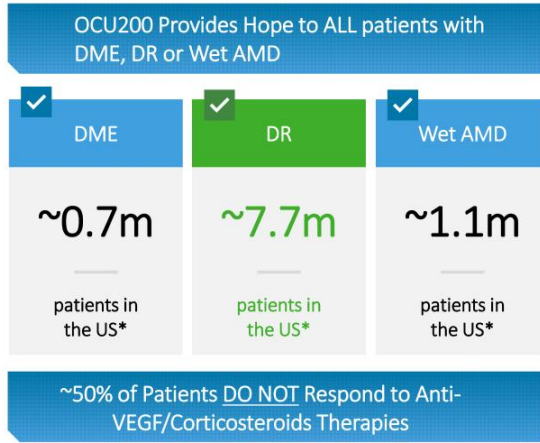
References
<https://www.brightfocus.org/macular/article/age-related-macular-facts-figures>
<https://www.uniprot.org/uniprot/P35398#function>
<https://pubmed.ncbi.nlm.nih.gov/21998696/>
<https://pubmed.ncbi.nlm.nih.gov/19786043/>



OCU200

Novel biologic for treating Diabetic Macular Edema (DME), Diabetic Retinopathy (DR) and Wet Age-Related Macular Degeneration (Wet AMD)

OCU200: Potential to Treat DME, DR & Wet AMD

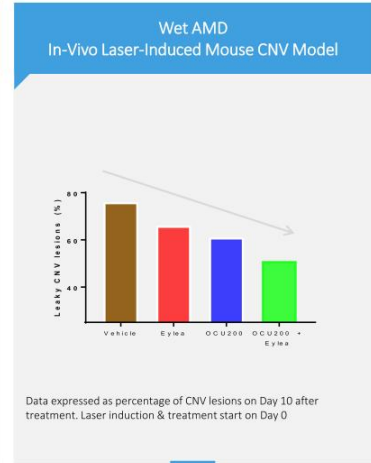
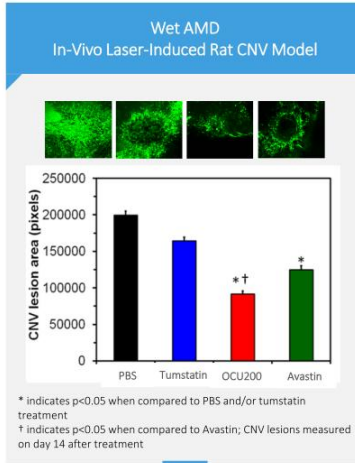
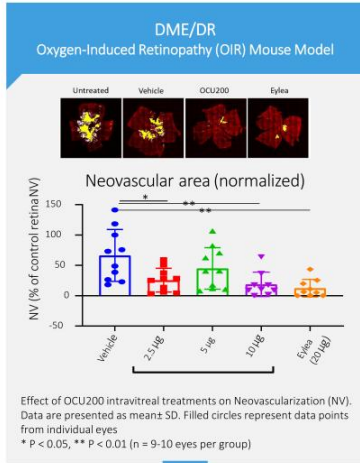


- ✓ OCU200 is a Transferrin-Tumstatin Fusion Protein
 - Tumstatin: Multiple MOAs for treatment and prevention of macular degeneration and neovascularization
 - Transferrin: Targets the site of action and improves uptake (better target engagement)
- ✓ Integrin Targeting provides hope to these patients who are non-responders to current therapies
- ✓ Distinct MOA through targeting Integrin pathways can potentially also help reduce number of injections for patients who do respond to Anti-VEGF & corticosteroids therapies
- ✓ Significant global market potential



(*) <https://www.gene.com/stories/retinal-diseases-fact-sheet>
<https://www.brightfocus.org/macular/article/age-related-macular-facts-figures>

OCU200 Demonstrated Superior Efficacy Compared to Existing Anti-VEGF Therapies





Leadership and Scientific Advisors

Leadership Team



Shankar Musunuri, PhD, MBA
Chairman, CEO and Co-Founder



Sanjay Subramanian, MBA
CFO and Head of Corporate Development



Bruce D. Forrest, MB, BS, MD, MBA
Acting CMO



Nirdosh Jagota, PhD
*SVP, Regulatory Affairs,
Compliance and Safety*



J.P. Gabriel
SVP, Technical Operations



Huma Qamar, MD, MPH, CMI
AVP, Clinical Development



Michael Shine, MBA
SVP, Commercial



Arun Upadhyay, PhD
SVP, Head of Research & Development



Zara Gaudioso, SHRM-CP
*AVP, Head of Human Resources,
Chief of Staff*



Jessica Crespo, CPA
Corporate Controller and Treasurer

Scientific Advisory Boards

Retina Scientific Advisory Board



David Boyer, MD



Carl D. Regillo, MD, FACS



Mark Pennesi, MD, PhD



Geeta Lalwani, MD



Vaccine Scientific Advisory Board



Satish Chandran, PhD



David Fajgenbaum, MD, MBA, MSc, FCPP



Bruce D. Forrest, MB, BS, MD, MBA



Catherine Pachuk, PhD



Harvey Rubin, MD, PhD



Susan Weiss, PhD



Forward Momentum for Ocugen

COVAXIN™ (BBV152)

- » Pediatric Emergency Use Authorization submission updated with additional real-world, post-vaccination safety data of 36 million+ children (under age 18)
- » U.S. FDA lifts clinical hold on IND submission of COVAXIN™, paving way for clinical trials supporting BLA; WHO grants COVAXIN™ Emergency Use Listing, broadening global portfolio of COVID-19 options
- » Comprehensive responses submitted to Health Canada against notice of deficiencies

OCU400/410

- » Phase 1/2 clinical trials studying OCU400 for the treatment of retinitis pigmentosa resulting from genetic mutations of NR2E3 and RHO now enrolling
- » Successfully completed manufacturing at commercial scale (200L) at CanSinoBio to support clinical studies
- » Expanded manufacturing agreement with CanSinoBio to include support for OCU410



Taking Science to New Heights for Patients

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NASDAQ: OCGN

