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): October 21, 2016

VistaGen Therapeutics, Inc.

(Exact name of registrant as specified in its charter)

NEVADA

000-54014

20-5093315

(State or other jurisdiction of incorporation)

(Commission File Number)

(IRS Employer Identification Number)

343 Allerton Ave.
South San Francisco, California 94090
(Address of principal executive offices)

(650) 577-3600

(Registrant's telephone number, including area code)

Not Applicable

(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 c provisions:	if the following
 □ 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)) 	

Item 7.01 Regulation FD Disclosure.

VistaGen Therapeutics, Inc. (the "Company") will begin using the corporate presentation materials, attached hereto as Exhibit 99.1, as early as October 24, 2016. The Company may continue to use these materials from time to time in conversations with investors and analysts.

In accordance with General Instruction B.2 for Form 8-K, the information in this Form 8-K, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

See Exhibit Index.

Disclaimer.

This Current Report on Form 8-K may contain, among other things, certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including, without limitation, (i) statements with respect to the Company's plans, objectives, expectations and intentions; and (ii) other statements identified by words such as "may", "could", "would", "should", "believes", "expects", "anticipates", "estimates", "intends", "plans" or similar expressions. These statements are based upon the current beliefs and expectations of the Company's management and are subject to significant risks and uncertainties.

Signatures

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 thereunto duly authorized.

VistaGen Therapeutics, Inc.

Date: October 21, 2016

By: <u>/s/ Shawn K. Singh</u> Shawn K. Singh Chief Executive Officer

EXHIBIT INDEX

Exhibit Number 99.1

Description
Corporate presentation materials, dated October 2016.





Developing Novel Medicines for CNS Disorders

Corporate Presentation

Nasdag : VTGN

www.vistagen.com



Forward-Looking Statements

This presentation contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements concern our product candidates, our development efforts, our collaborations, our intellectual property, our financial condition, our plans and our development programs. These statements involve risks, uncertainties and assumptions, and are based on the current estimates and assumptions of the management of VistaGen Therapeutics, Inc. (Company) as of the date of this presentation and are subject to uncertainty and changes. Given these uncertainties, you should not place undue reliance on these forward-looking statements. Important factors that could cause actual results to differ materially from those indicated by such forward-looking statements include, among others, those set forth in our Annual Reports on Form 10-K filed with the Securities and Exchange Commission (SEC) on June 24, 2016, as well as any updates to those risk factors filed with the SEC from time to time in our periodic and current reports on Forms 8-K and 10-Q. All statements contained in this presentation are made only as of the date of this presentation, and the Company undertakes no duty to update this information unless required by law.



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VistaGen Overview

· AV-101 (4-Cl-KYN), flagship clinical-stage oral CNS prodrug candidate

- New generation antidepressant with potential to displace atypical antipsychotics as primary adjunctive treatment for major depressive disorder (MDD); currently in Phase 2 development
- Results from ongoing NIH-funded Phase 2a MDD study expected Q2 2017 and preparing to launch Phase 2b study for adjunctive treatment of MDD in Q1 2017
- FDA Fast Track designation for adjunctive treatment of MDD anticipated in H1 2017
- Safe and well-tolerated in Phase 1; drug-drug interaction and "Black Box" metabolic safety issues not anticipated
- Multiple large CNS market opportunities, each with high clinical need
- High-value peer M&A underscores potential upside opportunity
- Experienced CNS-focused team leading execution



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11.2M US Drug Treated Patients with MDD 7.0M US Patients with Inadequate Response to Initial MDD Therapy 4.9M Drug Treated Patients
with Treatment-Resistant MDD

VistaGen > 1: World Health Organization; 2: U.S. National institutes of Mental Health; 3: Unipolar Depression | Disease Landscape and Forecast | 67, January 11, 2016;
Therefore 5: Bush Al et al. Am 1 Pearhistry, 2006, 163(11): 1006-1917 (CTABTO Study), 5: Decision Beautypes (Bathordises, 2015)

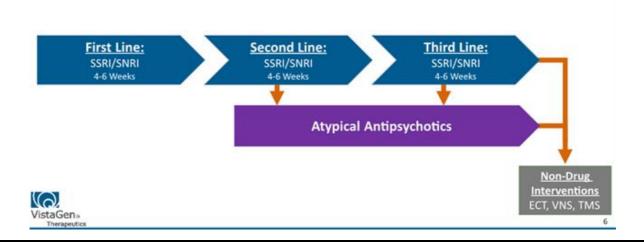
(a)

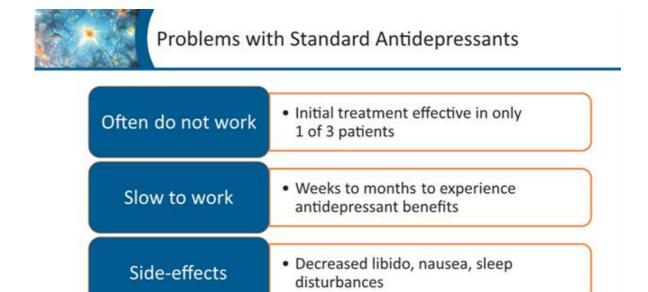
Current Depression Medications



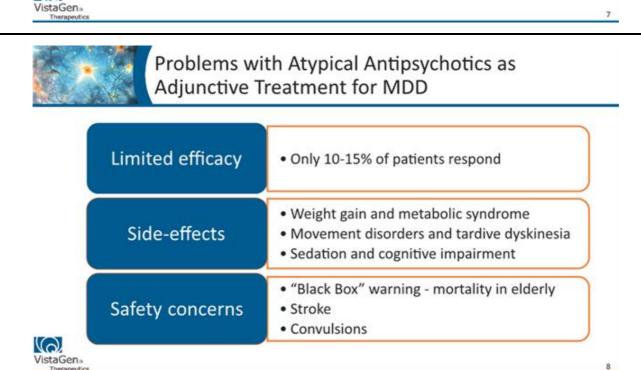
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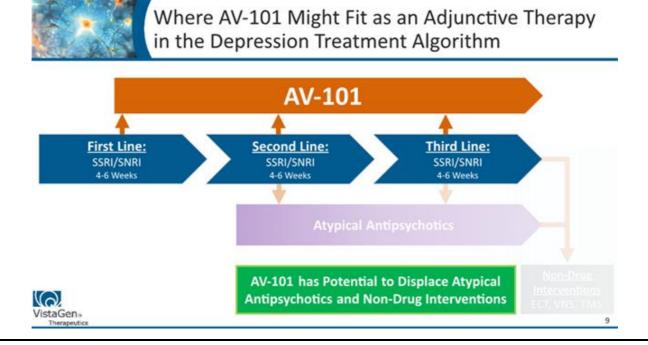
Standard Algorithm for Treatment of Depression





(a)







- FDA-approved anesthetic
- On WHO's Model List of Essential Medicines
- · Administered IV or IM
- NMDA receptor antagonist (ion channel blocker)
- · Schedule III Controlled Substance: risk of abuse
- Safety concerns include anxiety, disorientation, hallucinations, hypertension and psychotic episodes
- Commonly known as a Club Drug "Special K"







Ketamine: Potential Treatment for MDD



TIME 'Club Drug' Ketamine Provides Hope in Fight Against Depression

The New Hork Times

Special K, a Hallucinogen, Raises Hopes and Concerns as a Treatment for Depression

THE WALL STREET JOURNAL. Drugs to Lift Depression in Hours Rather Than Weeks

●CBS NEWS New Class of Drugs Could Offer Depression Breakthrough





NIH Paradigm Shift in Treatment of Depression

Dr. Carlos Zarate Jr.



- Chief, Section on Neurobiology and Treatment of Mood Disorders at NIMH
- Principal Investigator, NIMH paradigm-shifting clinical studies of ketamine in MDD

NIH paradigm-shifting clinical study showed transformative antidepressant effects of ketamine in treatment resistant MDD patients, within 24 hours of a single IV infusion

"Recent data suggest that ketamine, given intravenously, might be the most important breakthrough in antidepressant treatment in decades." Thomas Insel, Former Director of NIMH1

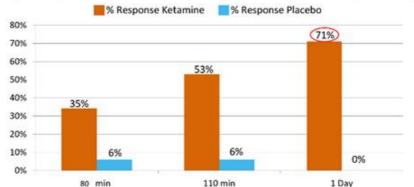




Rapid Antidepressant Effects of Ketamine in Dr. Zarate's NIH Study in MDD



*Proportion of patients with treatment-resistant MDD with at least 50% improvement in depression rating



VistaGen»

'Zarate, C. A., It., et al. (2006) "A randomized trial of an N-methyl-D-aspartate antagonist in treatment-resistant major depression." Arch Gen Psychiatry 63:856-864

Murrough, J. W., et al. (2013) "Antidepressant efficacy of ketamine in treatment-resistant major depression: a two-site randomized controlled trial." Am J Psychiatry 170:1134-114.

Zarate, C. A., Jr., et al. (2012) "Replication of ketamine's antidepressant efficacy in bipolar depression: a randomized controlled add-on trial." Biol Psychiatry 71:939-946.



AV-101: A New Generation Oral Antidepressant

Ketamine-like Antidepressant Effects without Ketamine's Serious Side-Effects

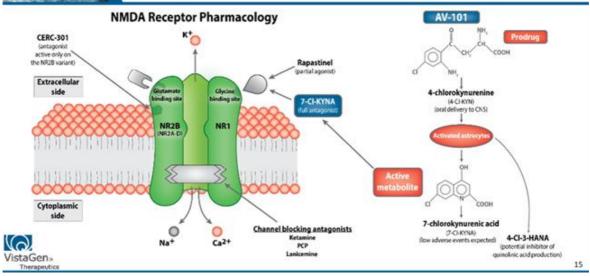
- New generation oral antidepressant prodrug candidate, rapidly absorbed through the gut, actively transported into the brain, converted into its active metabolite, 7-CI-KYNA, and binds to NMDAR Gly site
- Similar to ketamine: acts in the brain through the same glutamatergic AMPA-dependent pathway, rapidly
 inducing antidepressant effects
- <u>Safer than ketamine</u>: blocks the NMDAR through Gly₈ site binding; ketamine blocks the ion channel of NMDARs, causing its negative side-effects
- · Safe and well-tolerated in two NIH-funded Phase 1 safety studies; no ketamine-like side-effects
- Drug-drug interaction and "Black Box" metabolic effects related to atypical antipsychotics not anticipated



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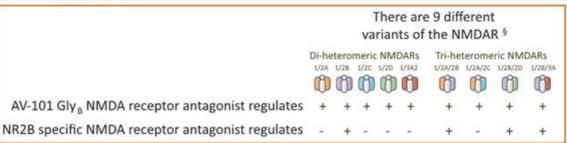
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AV-101 Indirectly Blocks NMDA Receptor Activity Through its Mechanism as a Glycine Antagonist





AV-101 Advantages Over NR2B Specific NMDA Receptor Antagonists



- In addition to neuronal cell-specific expression, within individual neurons, several NMDA receptor subtypes can be expressed[§]
- NR2B-selective compounds can only modulate 4 of the 9 NMDA receptor variants
- AV-101 decreases NMDA receptor function on all 9 NMDA receptor variants

VistaGen.»
Therapeutics

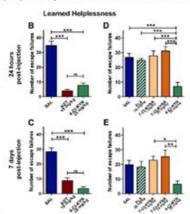
Paoletti, P., et al. (2013), "NMDA receptor subunit diversity: impact on receptor properties, synaptic plasticity and disease." Nat Rev Neurosci 14(6): 383

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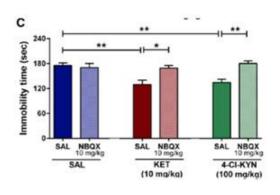


AV-101 has Similar Efficacy to Ketamine in Published Preclinical Studies

A single dose of AV-101 demonstrated acute (24 h) and chronic (7 d) antidepressant effects similar to ketamine



NBQX (AMPA antagonist) blocks AV-101 effects which supports AMPA receptor activation as necessary for rapid-onset, NMDARmediated antidepressant effects



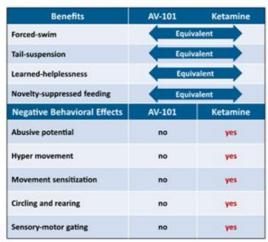
Therapeutics Zinos, P., et al. (2015). "The Prodrug 4 Chlorokynurenine Causes Ketamine Like Antidepressant Effects, but Not Side Effects, by NMOA/Glycineli-Site Inhibition." J Pharmacol Exp Ther 355(1): 76-85.

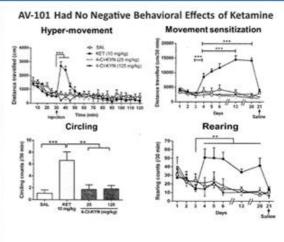
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VistaGen

Compared to Ketamine, AV-101 Does Not Impair Rodent Behavior in Published Preclinical Studies





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Papet/ties Zanos, P., et al. (2015). "The Prodrug 4-Chlorokynurenine Causes Ketamine-Like Antidepressant Effects, but Not Side Effects, by NMDA/GlycineB-Site Inhibition." J Pharmacol Exa Ther 355(1): 76-85.



NIH Support for AV-101



- Received \$8.8 million from NIH for AV-101 preclinical development and two AV-101 Phase 1 clinical safety studies
- NIH Cooperative Research and Development Agreement (CRADA) signed
- NIH funding and conducting AV-101 Phase 2a study in MDD; results currently anticipated in Q2 2017

NIH and Dr. Zarate continue to drive paradigm shift



away from standard antidepressants and towards a new generation of safer, ketamine-like, oral antidepressants



Phase 1a Study Design

- Randomized, double-blind, placebo-controlled
- Single oral dose with sequential dose-escalation
- Six single dose levels: 30, 120, 360, 720, 1,080 and 1,440 mg
- 36 subjects: 18 treatment and 18 placebo; 6 per cohort

Results

- Well-tolerated even at maximum dose; good bioavailability; no serious adverse events
- At higher doses, some subjects on AV-101 (and none on placebo) reported positive feelings of well-being similar to antidepressant effects reported with ketamine, without ketamine's side-effects

Phase 1b Study Design

- Randomized, double-blind, placebo-controlled
- Multiple oral dose (daily for 14 days), with sequential doseescalation
- Three dose levels: 360, 1,080 and 1,440 mg
- 48 subjects: 36 treatment and 12 placebo; 16 per cohort

Results

- Well-tolerated even at maximum dose; good bioavailability; no serious adverse events
- Multiple subjects on AV-101 (and none on placebo) reported positive feelings of well-being similar to antidepressant effects reported with ketamine, without ketamine's side-effects





AV-101 Phase 1 Clinical Safety Studies: Reports of Feelings of Well-Being

1200	100000	# Subjects Expressing	-
Dose	# Subjects	Well-Being	%
30	3	0	
120	3	0	
360	3	0	
730	3	0	
1080	3	0	
1440	3	2	
Total	18	2	11%
Placebo	18	0	0%
	Pha	ise 1b	
360	12	1	
1080	12	1	
1440	12	1	
Total	36	3	8%
Placebo	12	0 (

Combination of 1a & 1b			
Dose	# Subjects	# Subjects Expressing Well-Being	%
Highest Dose	15	3	20%
All Doses	54	5	9%
Placebo	30	0	0%

- Phase 1 safety studies no direct measures of mood
- Feelings of well-being were voluntarily expressed by certain subjects on AV-101 during the interview process; no subjects on placebo expressed any similar feelings
- No comments expressed suggested any ketamine-like side-effects

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NIH-Sponsored AV-101 Phase 2a Study in MDD

Primary Endpoint: Safety and efficacy using standard **Hamilton Rating Scale (HDRS)**

Secondary Endpoints: Change from baseline in other widely-accepted measures of mood, depression and cognition

- Principal Investigator: Dr. Carlos Zarate, NIMH
- Double-blind, placebo-controlled, crossover design
- Single oral dose monotherapy for MDD, once per day for 14 days
- · Target enrollment is 20 to 28 adult subjects
- Results currently anticipated in Q2 2017

H1 2017 AV-101 Phase 2a - Results currently expected in Q2 2017



(a) VistaGen.

VistaGen's AV-101 Phase 2b Study in MDD Projected to Launch in Q1 2017

Primary Endpoint: Efficacy demonstrated by a statistically significant decrease on the Montgomery-Asberg **Depression Rating Scale (MADRS)**

Secondary Endpoints: Additional widely-accepted measures of mood, depression and cognition, including HAM-D-6, CGI-I

- Principal Investigator: Dr. Maurizio Fava, Harvard
- Projected enrollment: ca. 280 patients at 20 25 U.S. sites
- Double-blind, placebo-controlled efficacy and safety study of AV-101 as adjunctive treatment for MDD patients with inadequate response to standard antidepressants
- Novel Sequential Parallel Comparison Design (SPCD) to mitigate placebo effects
- Projected launch in Q1 2017; results currently anticipated in Q3 2018

Q2 2018 Q4 2016 | Q1 2017 | Q2 2017 | Q3 2017 | Q4 2017 | Q1 2018 Q3 2018 AV-101 Phase 2b - Data currently expected in Q3 2018

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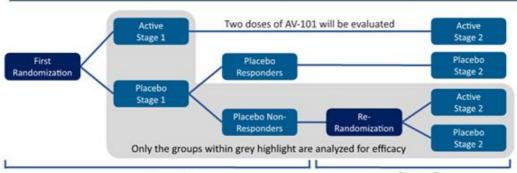
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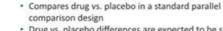
AV-101 Phase 2b Study in MDD: Sequential Parallel Comparison Design (SPCD)

Clinical trial methodology to overcome the challenges of placebo effect in psychiatric clinical trials



Stage 1

Stage 2 · Compares drug vs. placebo in a parallel comparison design



- · Drug vs. placebo differences are expected to be smaller, generating a large cohort of placebo non-responders
- involving only placebo non-responders
- Placebo response is expected to be smaller
- Drug vs. placebo differences are expected to be greater

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Preeminent CNS Clinical and Regulatory Advisors









Maurizio Fava, M.D.

Professor of Psychiatry, Harvard Medical School;
 Director, Division of Clinical Research, Massachusetts
 General Hospital (MGH) Research Institute; Executive
 Director, MGH Clinical Trials Network and Institute

Thomas Laughren, M.D.

 Director (retired), FDA Division of Psychiatry Products, Office of New Drugs, Center for Drug Evaluation and Research (CDER)

Sanjay Mathew, M.D.

 Associate Professor of Psychiatry and Behavioral Sciences, Marjorie Bintliff Johnson and Raleigh White Johnson, Jr. Chair for Research in Psychiatry and Menninger Department of Psychiatry & Behavioral Sciences at the Baylor College of Medicine

Gerard Sanacora, Ph.D., M.D.

Professor of Psychiatry, Yale School of Medicine;
 Director, Yale Depression Research Program; Scientific Director, Yale-New Haven Hospital Interventional Psychiatry Service



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Leading CROs Supporting Phase 2b Execution



Leading full-service global CRO, with extensive CNS drug development, clinical trial design and execution, and regulatory services



Academic CRO within the Psychiatry Department at MGH, with high value expertise in CNS trial patient screening and recruitment



Global CRO providing experienced CMC and related regulatory services



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High Value AV-101 CNS Expansion Opportunities

Potential to expand Phase 2 clinical development of AV-101 into multiple additional CNS indications, each representing a blockbuster opportunity



Neuropsychiatric Disorders

- Depression
- Bipolar disorder



Neurological Disorders

- · Chronic neuropathic pain
- Epilepsy



Neurodegenerative Diseases

- Huntington's disease
- Parkinson's disease







Rapastinel (GLYX-13)

- · Developed for treatment of MDD
- Similar to AV-101 (blocks NMDAR at Gly 8 site), but is only administered IV



- Allergan acquired Naurex in Sept 2015 after one Phase 2b study of rapastinel in MDD (ca. 360 patients)
- Allergan paid \$571 million in cash at closing; over \$1.1 billion of potential post-closing payments



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Business Development Strategy

Forbes

"Allergan's acquisition of Naurex is a key positive for VistaGen as it is Naurex's closest competitor..."

- Gbola Amusa, Head of Healthcare Research, Chardan Capital Markets, NY1

 Advance Phase 2 clinical development of AV-101 for adjunctive treatment of MDD and other CNS indications while exploring transformative partnering opportunities with Pharma and others focused on CNS markets





















Therapeutics: 1 Forters, Wreet Sets More Bullish Dr. Allergar. As tr Sees Salid Crowth Ahead, http://www.heturs.com/s/etu/peremental/2015/05/55/chreet gets event-bullish on allergan as it were salid growth ahead/VIACHERIA

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CNS-Related Value Indicators Suggest Significant Upside Potential

	Recent A	cquisitions		
Company	Acquirer	Product / Stage / Indication	Total Value	
naurex-	Allergan	Rapastinel (GLYX-13) / Phase 2b / Treatment of MDD	\$1.6 B	
	Selected Companies F	ocused on CNS Markets		
Company	Ticker	Development Stage	Market Cap*	
ACADIA* Pharmaceuticals	ACAD	Newly Approved Product	\$3.2 B	
Alkermes	ALKS	Multiple Approved Products	\$6.7 B	
O Intra-Cellular Therapies	ітсі	Phase 3	\$625 M	
SAGE	SAGE	Phase 3	\$1.6 B	
aGen»	*As of Octo	ober 11, 2016		



Capitalization - NASDAQ: VTGN

Closed \$10 Million Public Offering and Listed on NASDAQ in May 2016

Common Stock	8,269,463
Preferred Stock ⁽¹⁾	
Series A	750,000
Series B	1,160,240
Series C	2,318,012
Total Preferred Stock	4,228,252
Total Common and Preferred	12,497,715
Stock Plan Options	1,100,643
Common Stock Warrants (2)	4,684,414
Total Options and Warrants	5,785,057
Total Common, Preferred, Options and Warrants	18,282,772



- (1) Fixed conversion; no vot (2) WAEP = \$6.44 per share

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Management Team

Shawn Singh - Chief Executive Officer

- 25 years of experience working with biopharmaceutical companies, a healthcare venture capital firm and a profitable CRO
- · Artemis Neuroscience; SciClone Pharmaceuticals; Echo Therapeutics; Cato BioVentures; Cato Research

Ralph Snodgrass, Ph.D. - President, Chief Scientific Officer

- 23 years of experience in senior biotechnology management, including as Chief Scientific Officer of Progenitor
 Progenitor; Lineberger Comprehensive Cancer Center

Mark A. Smith, M.D., Ph.D. - Chief Medical Officer

- 20 years of large Pharma CNS drug development experience
 Teva Pharmaceuticals; Shire Pharmaceuticals; AstraZeneca Pharmaceuticals; DuPont Pharmaceutical Company; U.S. National Institute of Mental Health

Jerrold Dotson, CPA - Chief Financial Officer, Secretary

- 20 years of senior level finance and administration experience
- Calypte Biomedical; Discovery Foods; California & Hawaiian Sugar; Clorox

Mark A. McPartland - Vice President, Corporate Development & Investor Relations

- 20 years of experience in business and corporate development, capital markets advisory, corporate communications and executive management consulting
- · Combination of in-house, C-level biotech experience and multi-national independent investor relations and corporate communications agencies





Board of Directors

- · 35 years of biopharmaceutical experience, director of multiple public and private healthcare companies
- · Former President and director, PDL BioPharma; CEO, Synergen (acquired by Amgen for \$262M); VP, Licensing and Corporate Development, Head of Patent Law, Hoffmann-La Roche

Jerry Gin, Ph.D., MBA - Director

- 45 years of healthcare industry experience; co-founder of Oculex (acquired by Allergan for \$230M)
- · Serves as Co-Founder, President and CEO of Nuvora

Shawn Singh - CEO, Director

- · 25 years of experience working with biopharmaceutical companies, a healthcare venture capital firm and a profitable CRO
- Artemis Neuroscience; SciClone Pharmaceuticals; Echo Therapeutics; Cato BioVentures; Cato Research

Ralph Snodgrass, Ph.D. - President, CSO, Director

- · 23 years of experience in senior biotechnology management, including as Chief Scientific Officer of Progenitor
- Progenitor; Lineberger Comprehensive Cancer Center

Brian J. Underdown, Ph.D. - Director

- 30 years of leadership experience in the biopharmaceutical sector
- Key player in growth of 10 life science companies; former VP, Research, Pasteur Merieux Connaught (now Sanofi Pasteur); Venture Partner, Lumira Capital

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Near-Term Milestones Expected to Drive Value

	H1 2016	H2 2016	H1 2017	H2 2017	H1 2018	H2 2018
Listing on NASDAQ	1					
FDA meeting re AV-101 Phase 2b study in MDD		*				
Commence AV-101 Phase 2b study in MDD			*			
AV-101 Fast Track designation for MDD			*			
Top line results from AV-101 Phase 2a study in MDD			1	7		
Top line results from AV-101 Phase 2b study in MDD						*



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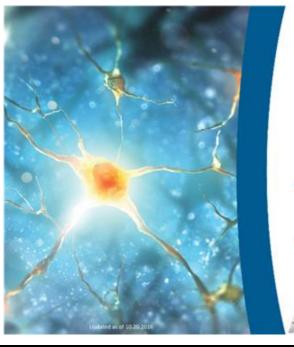


VTGN: A Compelling Investment Opportunity

- Developing a new generation fast-acting oral antidepressant with strong safety and emerging efficacy profile addressing significant gap in global depression market
- ✓ Large, established global depression market with anticipated exponential growth
- Pipeline expansion opportunities in blockbuster neuropsychiatric, neurological and neurodegenerative indications
- ✓ Recent high-value peer M&A underscores opportunity for significant upside
- Highly experienced Management Team and CNS-focused Clinical and Regulatory Advisors leading execution



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Developing Novel Medicines for CNS Disorders

Nasdaq : VTGN

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