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): November 15, 2021

RELMADA THERAPEUTICS, INC.

(E	xact name of registrant as specified in its charter)		
Nevada	001-39082	45-5401931	
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)	_
2222 Ponce de Leon Blvd, Floor 3			
Coral Gables, FL		33134	
(Address of principal executive offices)		(Zip Code)	

Registrant's telephone number, including area code (786) 629-1376

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	Name of exchange on which registered	
Common stock, \$0.001 par value per share	RLMD	The NASDAQ 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 (§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 \Box

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.

On November 15, 2021, Relmada Therapeutics, Inc., updated its corporate presentation, a copy of which is filed herewith as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	Corporate Presentation dated November 2021
104	Cover Page Interactive Data File (formatted as Inline XBRL)

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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 hereunto duly authorized.

RELMADA THERAPEUTICS, INC.

By:/s/ Sergio TraversaName:Sergio TraversaTitle:Chief Executive Officer



Disclosures

Certain statements contained in this presentation or in other documents of Relmada Therapeutics, Inc. (the "Company"), along with certain statements that may be made by management of the Company orally in presenting this material, may contain "forward-looking statements." These statements can be identified by the fact that they do not relate strictly to historic or current facts. They use words such as "estimate," "expect," "intend," "believe," "plan," "anticipate," "projected" and other words and terms of similar meaning in connection with any discussion of future operating or financial performance or condition. These statements are based upon the current beliefs and expectations of the Company's management and are subject to significant risks and uncertainties. Statements regarding future action, future performance and/or future results including, without limitation, the proposed offering, those relating to the timing for completion, and results of, scheduled or additional clinical trials and the FDA's or other regulatory review and/or approval and commercial launch and sales results (if any) of the Company's formulations and products and regulatory filings related to the same may differ from those set forth in the forward-looking statements. Peak sales and market size estimates have been determined on the basis of market research and comparable product analysis, but no assurances can be given that such sales levels will be achieved, if at all, or that such market size estimates will prove accurate.

Because actual results are affected by these and other potential risks, contingencies and uncertainties, the Company cautions investors that actual results may differ materially from those expressed or implied in any forward-looking statement. It is not possible to predict or identify all such risks, contingencies and uncertainties. The Company identifies some of these factors in its Securities and Exchange Commission ("SEC") filings on Forms 10-K, 10-Q and 8-K, and investors are advised to consult the Company's filings for a more complete listing of risk factors, contingencies and uncertainties affecting the Company and its business and financial performance.

The Company assumes no obligation to update forward-looking statements as circumstances change. Investors are advised to consult further disclosures that the Company makes or has made on related subjects in the Company's Form 10-K, 10-Q and 8-K reports.

The Company has filed a registration statement on Form S-3 (including a prospectus) with the SEC that was declared effective on August 21, 2020 and will file a prospectus supplement with the SEC for the offering to which this presentation relates. Before you invest in the offering to which this communication relates, you should read the prospectus in that registration statement, the prospectus supplement related to the offering (when available) and the other documents the Company has filed and will file with the SEC for more complete information about the Company and the offering. You may get these documents for free by visiting EDGAR on the SEC website at www.sec.gov. Alternatively, the Company, any underwriter or any dealer participating in the offering will arrange to send you the prospectus supplement, when available, by request at Goldman Sachs & Co. LLC, 200 West Street, New York, New York, N2022, Attention: Registration Department; or Jefferies LLC, Attention: Equity Syndicate Prospectus Department, 520 Madison Avenue, 2nd Floor, New York, NY 10022.

Investment Highlights

CNS Focus with Lead Program in Major Depressive Disorder (MDD)

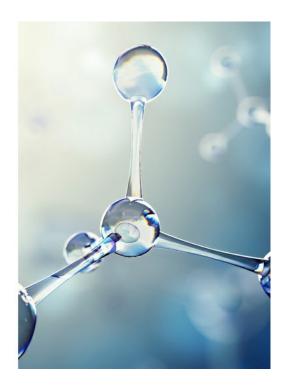
Highly Compelling Opportunity in REL-1017

Multiple Catalysts Expected Over Next 18 Months

CNS= Central Nervous System **Our fiscal year end is December 31. The periods referred to in this slide are calendar years and quarters.

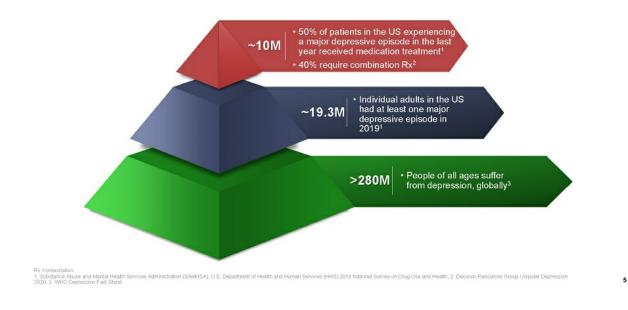


Major Depressive Disorder & REL-1017



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Prevalence of Depression



Limitations of Current Treatments for MDD



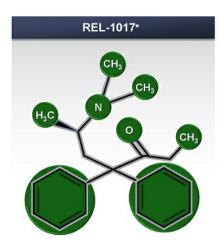
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MDD = major depressive disorder 1. Tirvedi MH, et al. Am J Psychiatry 2006;163:28-40; 2. Ashton AK, et al. Curr Ther Res. 2005;88(2):97-106; 2. US Presenting Information, prexptprazole, quetiaprine, anpiprazole

Unique Profile of REL-1017

Potential as a rapid, oral, once-daily antidepressant for MDD, if approved

- Novel Mechanism of Action: preferential targeting of NMDAR channels potentially associated with MDD¹
- Available clinical data demonstrated:
 - Robust, rapid, and sustained statistically significant antidepressant effects on all tested scales²
 - Rapid onset: significant efficacy effects by Day 4²
 - Favorable safety and tolerability profile consistent across Phases 1 & 2 studies: no opioid and no psychotomimetic adverse events^{2,3}
- · Orally administered, once-daily tablet

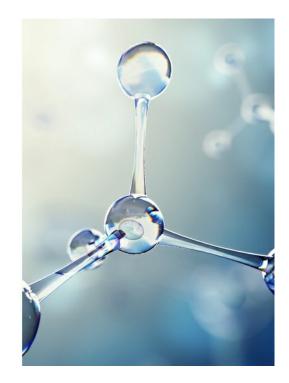


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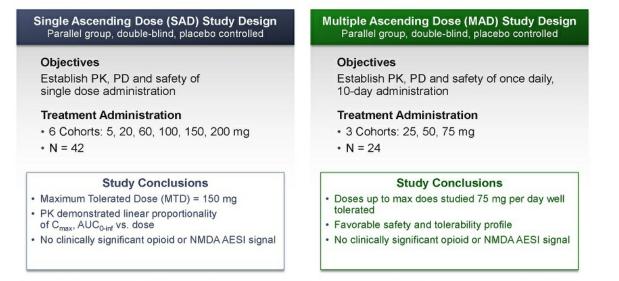
MDD = major depressive disorder, NMDAR = N-methyl-D-aspartate receptor "Disgram reflects chemical structure of REL-1017 (esmethadone); molecules are CH₂ = Methyl Group, O = Oxygen, N = Nitrogen 1. Bettini et al. Esmethadone (REL-1017) Reduces Glutamato-Induced Currents in NIDA Receptors With the GuluI2D Subunit, Biological Psychiatry, 89(9), S198-S199, 2, Fava et al. Rapid and Sustained Antidepressant Effects of REL-1017 (dediromethadone) as an Adjunctive Treatment for Major Depressive Disorder: A Phase 2 Trial. 2021. Poster presented at: American Psychiatric Association Annual Meeting. 3. Bernstein, et al. 2019 Journal of Clinical Psychopharmacology;

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REL-1017 Ph 1 & 2 Efficacy & Safety Data



Phase 1 SAD & MAD Studies for REL-1017, Data Published 2019



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PK = pharmacokinetics; PD = pharmacodynamics; MTD: =maximum tolerated dose; C_{inac} = maximum plasma concer of pallents; MIDA = N-methyl-D-asparlate receptor anlagonis; AESI = adverse event of special interest Source: Bensteini, G. et al., J. Clin. Psychopharmacology 2019 May/Jun; 38(3):226-237.

Phase 2 Study REL-1017: Primary Efficacy Endpoint

REL-1017 showed rapid and sustained differences in MADRS change vs. placebo



Safety & Tolerability Findings from Phase 2

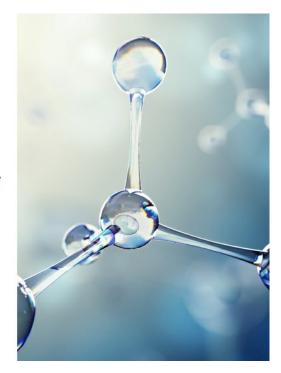
Safety & Tolerability Comparable to Placebo

- Only Mild and Moderate AEs no SAEs
- No increased prevalence of specifically relevant organ group AEs in treatment groups vs placebo
- No evidence of opiate effects or withdrawal symptoms in treatment groups vs placebo
- No evidence of treatment-induced dissociative or psychotomimetic symptoms in the treatment groups vs placebo

E = adverse event; SAE = serious adverse event iource; Fava et al. Rapid and Sustained Antidepressant Effects of REL-1017 (dextromethadone) as an Adjunctive Treatment for Major Depressive Disorder; A Phase 2 Trial, 2021, Poster presented at: American Psychiatric Association Annual Meeting



Human Abuse Potential (HAP) Study of REL-1017 vs. Oxycodone



Human Abuse Potential (HAP) Study of REL-1017 vs Oxycodone

Top-line Results Summary

- All REL-1017 doses tested showed highly statistically significant differentiation vs. oxycodone 40 mg (p<0.001)
- · REL-1017 therapeutic doses did not differ significantly from placebo
- · Key secondary endpoint results were consistent with primary endpoint
- These results, along with previously published literature, confirm the lack of opioid effects of REL-1017 and are consistent with HAP results seen from other drugs that effect the CNS, and which have been scheduled at Classes IV, V, or even unscheduled

Primary Endpoint - Drug Liking [Emax] REL-1017 vs. Oxycodone

Statistic Parameter	Placebo	REL-1017 25 mg	REL-1017 75 mg	REL-1017 150 mg	Oxycodone 40 mg
n	44	44	44	44	44
Mean	51.7	53	58.2	64.9	85
Median	50	50	50	58	89
SD	4.28	8.67	14.98	16.74	15.4
SE	0.64	1.31	2.26	2.52	2.32
tatistical Analysis					
Treatment 1		Treatment 2		P-value	
Oxycodone 40 mg		Placebo		<0.001	
Oxycodone 40 mg		REL-1017 25 mg		<0.001	

REL-1017 75 mg

REL-1017 150 mg

All REL-1017 doses are highly statistically different from oxycodone for the primary endpoint ("Drug Liking at this Moment"). Comparable results were seen for the two key secondary endpoints ("Overall Drug Liking" and "Take Drug Again").

< 0.001

< 0.001

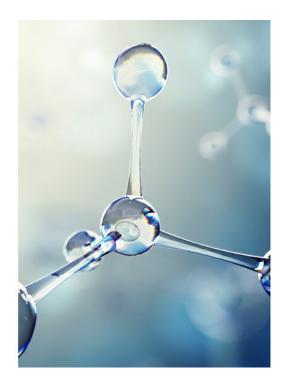
Source: Reimada data on file.

Oxycodone 40 mg

Oxycodone 40 mg



RELIANCE: The Phase 3 Program for REL-1017



REL-1017 Phase 3 Program for the Treatment of MDD

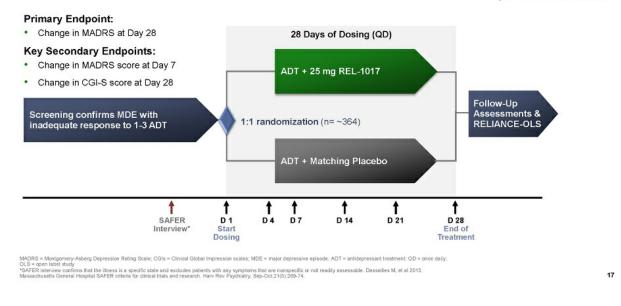
 Reliance I Reliance II 	 Two sister two-arm, placebo-controlled pivotal studies as adjunctive treatment for MDD: In MDD patients with inadequate response to 1-3 ADT (n= ~364 per study) Primary Endpoint: Change in MADRS at Day 28 Key Secondary Endpoints: Change in CGI-S score at Day 28 Change in MADRS score at Day 7
→ Reliance III	 Two-arm, placebo-controlled pivotal study as a monotherapy treatment for MDD: In MDD patients with ≤ 1 prior use of ADT for current MDE Primary Endpoint: Change from baseline in MADRS at Day 28 Key Secondary Endpoints: Change in CGI-S score at Day 28 Change in MADRS score at Day 7
✓ Reliance oLs	Long-term, open-label safety study: Patients continuing from RELIANCE I, II & III Patients new to REL-1017

ADD = major depressive disorder; ADT = antidepressant treatment ; OLS = open label study, MADRS = Montgomery-Asberg Depression Rating Scale; CGIs = Clinical Global Impression scales, MDE = major depressive episor

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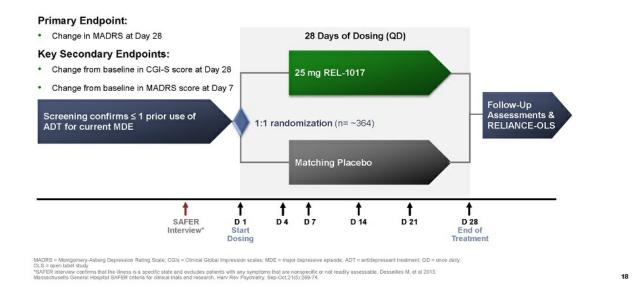
Pivotal Phase 3 Trial Design for Adjunctive Therapy

Reliance I
 Reliance II



Pivotal Phase 3 Trial Design for Monotherapy

Reliance III



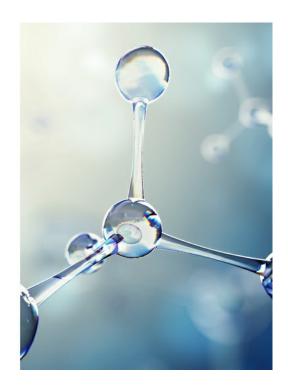
Relmada Development Programs & Timeline*



MDD = Major Depressive Disorder: OLS = Open Label Study *Subject to FDA feedback MCur fiscal year end is December 31. The periods referred to in this slide are calendar years and quarters



Novel Psilocybin and Derivatives



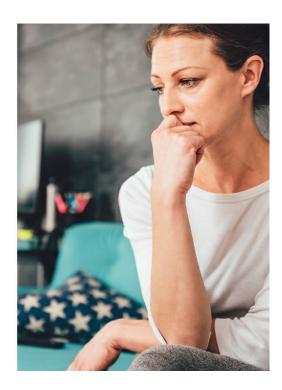
Novel Psilocybin and Derivates

Rights to Co-Develop and Commercialize

- July 2021 announcement of licensing agreement: development and commercial rights to a novel psilocybin and derivatives program
- · Complementary focus: potential therapies for neurodegenerative conditions
- Synergy in neuroplasticity: Expands R&D portfolio while building on expertise in neural plasticity, specifically the neuroplastogen mechanism of action
 - Like REL-1017, will build upon Relmada's expertise on neuroplasticity
 - Development and commercial rights in all ex-Asia territories, including the U.S. and Europe



Corporate Information



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Financial Overview



*As converted share count of 25.8 MM share as of 9/30/2021

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Investment Highlights

Focus on CNS diseases and Lead Program in Major Depressive Disorder (MDD)	 REL-1017, lead candidate, is in Phase 3 for depression, a leading cause of disability worldwide¹ CNS focus, with expertise in developing novel therapeutics that show potential for neuroplasticity 50%–66% of patients with depression do not fully recover on an antidepressant medication² Standard anti-depressants can take 4-8 weeks to work and have significant side-effects
Highly Compelling Lead Product Opportunity in REL-1017	 Novel MOA with successful Phase 2 trial in adjunctive MDD that showed statistically significant, robust, rapid and sustained anti-depressant effects with favorable safety and tolerability profile Phase 3 program underway following successful End of Phase 2 Meeting with the FDA Fast track designation from FDA Strong intellectual property position around REL-1017 with expirations through the mid/late-2030s
Key Catalysts Expected Over Next 3-18 Months	 1Q22 – Completion of the human abuse potential study with ketamine 2Q22 – Completion of the monotherapy MDD trial 2H22 – Completion of RELIANCE I and RELIANCE II adjunctive MDD trials 2H22 – Completion of RELIANCE – OLS (Long-term, Open-label study in MDD)

CNS= Central Nervous System; MDD = major depressive disorder; MDA = mechanism of action "Our fiscal year and is December 31. The periods referred to in this slide are calendar years and quarters. 1. WHO Depression Fact Sheet; 2. ArHabrik S. 2012 *Patherit Phartence and Advencence*



Q&A

