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): **June 11, 2019**

ZYNERBA PHARMACEUTICALS, INC.

(Exact Name of Issuer as Specified in its Charter)

Delaware	**001-37526**	**26-0389433**
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(I.R.S. Employer Identification No.)

80 W. Lancaster Avenue, Suite 300
Devon, PA 19333
(Address of Principal Executive Offices) (Zip Code)

(484) 581-7505
(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 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))

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, $0.001 par value per share	ZYNE	The NASDAQ Global 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 5.07 Submission of Matters to Vote of Security Holders.

On June 11, 2019, Zynerba Pharmaceuticals, Inc. (the "Company") held its 2019 Annual Meeting of Stockholders (the "Annual Meeting"). The following is a brief description of the final voting results for each of the proposals submitted to a vote of the stockholders at the Annual Meeting.

(a) *Proposal 1 — Election of Seven Directors*. Each director nominee was elected to the Board of Directors to serve as a director until the 2020 Annual Meeting of the Stockholders or until his or her respective successor is elected and qualified, as follows:

Name	For	Withheld	Broker Non-Votes
Armando Anido	4,106,313	97,591	11,465,022
John P. Butler	3,705,716	498,188	11,465,022
Warren D. Cooper, MB, BS, BSc, MFPM	3,747,966	455,938	11,465,022
William J. Federici	4,133,343	70,516	11,465,022
Daniel L. Kisner, MD	4,133,012	70,892	11,465,022
Kenneth I. Moch	4,124,922	78,912	11,465,022
Pamela Stephenson	4,110,135	93,769	11,465,022

(b) *Proposal 2 — Ratification of Independent Registered Public Accountants.* The appointment of KPMG LLP as the Company's independent registered public accounting firm for the 2019 fiscal year was ratified, as follows:

Votes For	Votes Against	Abstentions	Broker Non-Votes
15,276,872	251,027	141,027	0

Item 8.01 Other Events

On June 11, 2019, the Company issued a press release announcing that the U.S. Patent and Trademark Office has issued US Patent No. 10,314,792, titled "Treatment of Autism Spectrum Disorder with Cannabidiol" which includes claims directed to methods of treating autism spectrum disorder by administering a therapeutically effective amount of synthetic cannabidiol. A copy of this press release is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits

The following exhibit is being filed herewith:

(d) Exhibits

Exhibit No.	Document
99.1	Press Release, dated June 11, 2019.

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.

Date: June 12, 2019

ZYNERBA PHARMACEUTICALS, INC.

By: /s/ Suzanne Hanlon
Name: Suzanne Hanlon
Title: Secretary, Vice President and General Counsel

Exhibit 99.1

Zynerba Pharmaceuticals Receives New U.S. Patent for Treatment of Autism Spectrum Disorder with Cannabidiol

DEVON, Pa., June 11, 2019 — Zynerba Pharmaceuticals, Inc. (NASDAQ:ZYNE), the leader in innovative pharmaceutically-produced transdermal cannabinoid therapies for rare and near-rare neuropsychiatric disorders, today announced that the U.S. Patent and Trademark Office has issued US Patent No. 10,314,792, titled "Treatment of Autism Spectrum Disorder with Cannabidiol" which includes claims directed to methods of treating autism spectrum disorder by administering a therapeutically effective amount of synthetic cannabidiol.

This new patent, which expires in 2038, is part of an expanding intellectual property portfolio covering the Company's cannabidiol (CBD) product candidate, Zygel™ (ZYN002 transdermal CBD gel). This patent follows the previously announced issuance of US Patent No. 10,213,390, titled "Treatment of Fragile X Syndrome with Cannabidiol" which includes claims directed to methods of treating Fragile X Syndrome by administering a therapeutically effective amount of synthetic or purified cannabidiol.

The issuance of this patent comes as enrollment progresses in the open label Phase 2 BRIGHT study evaluating the safety, tolerability and efficacy of Zygel for the treatment of children and adolescents with Autism Spectrum Disorder (ASD). The efficacy assessments include the Aberrant Behavior Checklist, Parent Rated Anxiety Scale — Autism Spectrum Disorder, Autism Impact Measure, and Clinical Global Impression — Severity and Improvement. The Company expects to report top line data in the first half of 2020.

About Zynerba Pharmaceuticals, Inc.

Zynerba Pharmaceuticals is the leader in pharmaceutically-produced transdermal cannabinoid therapies for rare and near-rare neuropsychiatric disorders. We are committed to improving the lives of patients and their families living with severe, chronic health conditions including Fragile X Syndrome, Autism Spectrum Disorder, 22q11.2 Deletion Syndrome, and a heterogeneous group of rare and ultra-rare epilepsies known as developmental and epileptic encephalopathies. Learn more at www.zynerba.com and follow us on Twitter at @ZynerbaPharma.

Cautionary Note on Forward-Looking Statements

This press release contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. 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 statements are subject to numerous important factors, risks and uncertainties that may cause actual events or results to differ materially from the Company's current expectations. For example,

there can be no guarantee that the Company will obtain approval for Zygel from the U.S. Food and Drug Administration (FDA) or foreign regulatory authorities; even if Zygel are approved, the Company may not be able to obtain the label claims that it is seeking from the FDA. In addition, the Company's cash and cash equivalents may not be sufficient to support its operating plan for as long as anticipated. Management's expectations and, therefore, any forward-looking statements in this press release could also be affected by risks and uncertainties relating to a number of other factors, including the success and timing of the Company's product development activities, studies and clinical trials and the Company's expectations regarding its ability to obtain and adequately maintain sufficient intellectual property protection for its product candidates. This list is not exhaustive and these and other risks are described in the Company's periodic reports, including the annual report on Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K, filed with or furnished to the Securities and Exchange Commission and available at www.sec.gov. Any forward-looking statements that the Company makes in this press release speak only as of the date of this press release. The Company assumes no obligation to update forward-looking statements whether as a result of new information, future events or otherwise, after the date of this press release.

Investor Contact

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