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): August 7, 2023

PRAXIS PRECISION MEDICINES, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 001-39620 (Commission File Number)

Praxis Precision Medicines, Inc. 99 High Street, 30th Floo Boston, Massachusetts 02110 (Address of principal executive offices, including zin code)

(617) 300-8460

(Registrant's tele 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:

П 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	Trade <u>Symbol(s)</u>	Name of each exchange on which registered
Common Stock, \$0.0001 par value per share	PRAX	The Nasdaq Global Select 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 2.02. Results of Operations and Financial Condition.

On August 9, 2023, Praxis Precision Medicines, Inc. (the "Company") announced its financial results for the quarter ended June 30, 2023. A copy of the press release is being furnished as Exhibit 99.1 to this Current Report on Form 8-

Item 7.01. Regulation FD Disclosure.

On August 9, 2023, the Company updated its corporate presentation for use in meetings with investors, analysts and others. The presentation is available in the "Investors + Media" portion of the Company's website at investors.praxismedicines.com and a copy is furnished as Exhibit 99.2 to this Current Report on Form 8-K.

The information in this Current Report on Form 8-K under Items 2.02 and 7.01, including Exhibit 99.1 and Exhibit 99.2 attached hereto, is intended to be furnished and 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 8.01. Other Events.

PRAX-628

On August 7, 2023, the Company announced the results from an analysis of EEG activity for subjects in the recent Phase 1 study that demonstrated pharmacodynamic activity across all dose levels for study subjects who received PRAX-628 at first administration as compared with subjects who received placebo. In the Phase 1 study, PRAX-628 was administered to 40 healthy participants (PRAX-628 an=30, placebo n=10). Single ascending dose ("SAD") cohorts evaluated PRAX-628 doses of 20 and 30 mg. EEG data were collected over the course of day 1 in the SAD cohort and over three separate days during the course of the 10-day MAD treatment period. qEEG analysis showed a pharmacodynamic effect at all dose levels and was significantly different from placebo at the Tmax timepoint (~2h) for the SAD and all timepoints for the MAD portion.

The Company has begun a Phase 2 study for PRAX-628 in patients with a photo-paroxysmal response to evaluate drug activity and dose finding, and is expected to report topline results in the second half of 2023. Based on these studies and the preclinical results, the Company intends to advance PRAX-628 into a Phase 2 study in focal epilepsy in the first half of 2024.

Ulixacaltamide

On August 8, 2023, the Company announced further data from two additional analyses of the Essential1 study for ulixacaltamide.

Open-Label Extension ("OLE")

Following completion of the initial 8-week double-blind treatment phase in Essential 1, eligible patients had the option to continue their access to ulixacaltamide in an OLE phase. Participants who continued to the OLE phase remained blinded for a six-week lead-in period.

- · There was no change to the overall safety results through 14 weeks of treatment.
- 65 patients who completed the double-blinded portion of Essential1 were eligible to participate in the OLE and completed the week 14 assessment. All patients eligible to participate in the OLE phase were enrolled in Essential1 under version 4 of the clinical protocol.

47-5195942 (I.R.S. Employer Identification No.)

- Patients who were eligible and continued on ulixacaltamide (n= 39) experienced an additional mean improvement in the modified Activities of Daily Living 11 ("mADL11") of 1.7 points from 3.09 at week 8 (95% CI: 0.98, 5.2) to 4.81 (95% CI: 2.38, 7.23) after 14 weeks of treatment.
- Patients who switched from placebo during the double-blind phase of Essential1 to ulixacaltamide treatment during the OLE 6-week lead-in (n= 26) experienced mean improvement in mADL11 of 3.15 points, from 1.21 at week 8 (95% CI: -1.04, 3.46) to 4.36 (95% CI: 1.68, 7.05).

Randomized Withdrawal Sub-Study

Following the announcement of the Essential1 study topline results, the Company amended the open-label protocol to further assess the criteria to be used in the upcoming randomized withdrawal Phase 3 study. In this sub-study, patients were re-randomized in a blinded fashion to either receive placebo or continue to receive ulixacatamide.

Twenty-one patients who completed assessments at week 14 of the OLE were eligible to participate in the blinded sub-study. Patients were evaluated weekly over a total of six weeks, with 11 patients assigned to ulixacaltamide and 10 to placebo for the initial three-week period, crossing over to either placebo or ulixacaltamide for an additional three-week period. Blinded rescue was triggered for patients on placebo if loss in the mADL11 exceeded two points at any timepoint.

- Patients who switched from ulixacaltamide to placebo experienced an average loss of effect in their mADL11 per week of 47% (mean loss of effect of -1.15 points/week), compared to 6% improvement in global mean change per week (mean improvement of 0.16 points/week) for the periods receiving ulixacaltamide. In addition, 10 patients assigned to placebo met the rescue criteria to restart ulixacaltamide.
- 85% of the patients who received ulixacaltamide (17 of 20) and 52% who received placebo maintained their mADL11 within three points compared to baseline, confirming the definition of patient stability to be used in the
 Phase 3 program.
- No new safety signals emerged and there was no change to the overall safety results observed in the eight-week double-blind treatment phase.

The results from the sub-study supported a number of proposed design elements for the upcoming Phase 3 randomized withdrawal study, including the responder criteria and feasibility of rescuing patients with ulixacaltamide.

Forward-Looking Statements

This Current Report on Form 8-K contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and other federal securities laws, including statements regarding the clinical development of PRAX-628 and ulixacaltamide. The forward-looking statements included in this Current Report on Form 8-K are subject to a number of risks, uncertainties and assumptions, including, without limitation, uncertainties inherent in clinical trials, the expected timing of submission for regulatory approval or review by governmental authorities and other risks as described in the Company's Annual Report on Form 10-K for the year ended December 31, 2022, its Quarterly Reports on Form 8-K are subject to a number of risks as a result, you are cautioned not to rely on these forward-looking statements and the Company undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future developments or otherwise.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
<u>99.1</u>	Press Release, dated August 9, 2023
<u>99.2</u>	Praxis Precision Medicines, Inc. August 2023 Corporate 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, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

PRAXIS PRECISION MEDICINES, INC.

By: /s/ Marcio Souza

Marcio Souza Chief Executive Officer

Date: August 9, 2023



Praxis Precision Medicines Provides Corporate Update and Reports Second Quarter 2023 Financial Results

On track to initiate Phase 3 studies for ulixacaltamide in Q4 2023 after favorable End-of-Phase 2 meeting with FDA

PRAX-628 Phase 1 study showed consistent safety profile and target engagement in measures of qEEG activity at all doses with first administration

Praxis will hold an R&D Portfolio Day on October 2

Cash of \$124.3 million as of June 30, 2023 expected to support runway into Q1 2025

BOSTON, August 9, 2023 — Praxis Precision Medicines, Inc. (NASDAQ: PRAX), a clinical-stage biopharmaceutical company translating genetic insights into the development of therapies for central nervous system (CNS) disorders characterized by neuronal excitation-inhibition imbalance, today provided a corporate update and reported financial results for the second quarter 2023.

"Our four clinical-stage programs continue to make great progress, and we are excited to be advancing ulixacaltamide into Phase 3," said Marcio Souza, president and chief executive officer of Praxis. "Our epilepsy portfolio continues to advance, with studies ongoing in each of our three clinical-stage programs that we expect to read out by the end of the year. We are planning to hold an R&D portfolio day on October 2 to elaborate on our science and clinical progress, including more details about the Phase 3 program for ulixacaltamide and additional data from the Essential1 study."

Recent Business Highlights and Upcoming Milestones:

Cerebrum[™] Small Molecule Platform

- In June 2023, Praxis shared the outcomes of its end-of-phase 2 (EOP2) meeting with the U.S. Food and Drug Administration (FDA) and is planning to initiate two Phase 3 studies as part of the registrational
 program, using mADL11 as the primary outcome measure. One study will be a parallel control design and the other using a randomized withdrawal design. Both trials will evaluate essential tremor
 patients at a 60 mg dose of ulixacaltamide for 12 weeks after a short titration period. The EOP2 meeting confirmed other program aspects including safety database, clinical pharmacology and toxicology
 requirements for registration. Praxis intends to begin enrolling patients in the fourth quarter of 2023, with read outs expected in the second half of 2024.
- In August 2023, Praxis shared the results of two additional analyses of the Essential1 dataset that showed durable effect to 14 weeks and maintenance of the safety profile seen in the Essential1 study.
 - 0 In the open-label extension (OLE) phase, patients who continued on ulixacaltamide experienced an additional mean improvement in mADL11 of 1.7 points from week 8 to after 14 weeks of treatment, while patients who switched from placebo during the Essential1 double blind phase to ulixacaltamide during the 6-week OLE experienced mean improvement in mADL11 of 3.15 points.
 - 0 In a randomized withdrawal sub-study, patients who switched from ulixacaltamide to placebo experienced an average loss of effect in their mADL11 per week of 47% (mean loss of effect of -1.15 points/week), compared to 6% improvement in global mean change per week (mean improvement of 0.16 points/week) for the periods receiving ulixacaltamide.
- In May 2023, Praxis announced initial results from the PRAX-628 Phase 1 safety study, which demonstrated a favorable safety and tolerability profile in healthy volunteers at concentrations more than 15fold the Maximal Electrical Seizure model (MES EC₅₀) and predicted therapeutic range at least 3-fold wider than current market leader based on an MES model. In August 2023, Praxis announced additional data from the Phase 1 study from an analysis of EEG activity that demonstrated pharmacodynamic activity across all dose levels for study subjects who received PRAX-628 at first administration as compared with subjects who received placebo.

- In June 2023, Praxis announced it had initiated a Phase 2 proof of concept study evaluating PRAX-628 in epilepsy patients with a Photo Paroxysmal Response (PPR). The study evaluates the potential effect
 of PRAX-628 on reducing pre-seizure EEG activity for photo-sensitive patients. The study is expected to read out by year-end 2023 and, upon completion of the PPR study, Praxis plans to initiate a Phase 2
 study to evaluate PRAX-628 for the treatment of focal epilepsy in the first half of 2024.
- Praxis expects topline results from the PRAX-562 Phase 2 EMBOLD study for the treatment of pediatric patients with developmental and epileptic encephalopathies (DEEs) in the fourth quarter of 2023.
 The EMBOLD study is a randomized, double-blind, placebo-controlled Phase 2 clinical trial to evaluate the safety, tolerability, efficacy (motor seizure frequency) and pharmacokinetics of PRAX-562 in pediatric participants aged 2 to 18 years with DEEs, followed by an open-label extension. Approximately 20 participants with SCN2A-DEE or SCN8A-DEE are expected to be enrolled.

Solidus[™] Antisense Oligonucleotide (ASO) Platform

Praxis is currently dosing the first dose cohort (Part 1) of the PRAX-222 EMBRAVE study for the treatment of pediatric patients with early-onset SCN2A-DEE in the U.S. Following collection of the safety and
efficacy data from Part 1 of the EMBRAVE study, the data will be evaluated and submitted to the FDA to support further dose escalation. Part 1 of the EMBRAVE study is a 21-week open label cohort, in
which participants will receive PRAX-222 for up to 13 weeks, designed to determine the safety and tolerability of intrathecal delivery of PRAX-222. Topline results are expected in the second half of 2023.

Corporate Update

In June 2023, Praxis completed an underwritten public offering, which extended Praxis' cash runway into the first quarter of 2025. Praxis sold 64,449,690 shares of common stock at a public offering price of \$0.95 per share, including the exercise in full by the underwriters of their option to purchase up to 9,299,690 shares of common stock, and pre-funded warrants to purchase up to an aggregate of 7,050,000 shares of common stock at a public offering price of \$0.9499 per share. The net proceeds from the offering were approximately \$63.4 million, after deducting underwriting discounts and commissions and other offering expenses payable by Praxis. The proceeds will be used to advance the development of ulixacaltamide into two Phase 3 studies for essential tremor, to continue clinical development of PRAX-562, PRAX-222 and PRAX-628 for various epilepsies, and for working capital and other general corporate purposes.

Second Quarter 2023 Financial Results:

As of June 30, 2023, Praxis had \$124.3 million in cash and cash equivalents, compared to \$100.5 million in cash, cash equivalents and marketable securities as of December 31, 2022. The increase of \$23.8 million primarily reflects \$63.4 million in net proceeds from Praxis' June 2023 underwritten public offering and \$24.1 million in net proceeds from at-the-market offerings of shares of Praxis' common stock, partially offset by cash used in operations of \$64.1 million during the six months ended June 30, 2023.

Praxis recognized \$0.8 million in collaboration revenue during the three months ended June 30, 2023 related to its Option and License Agreement with UCB.

Research and development expenses were \$25.6 million for the three months ended June 30, 2023, compared to \$43.6 million for the three months ended June 30, 2022. The decrease in research and development expenses of \$18.0 million was primarily attributable to \$19.6 million in decreased expenses related to Praxis' Cerebrum[™] platform and \$4.0 million in decreased personnel-related expenses, partially offset by \$5.7 million in increased expenses related to the Solidus[™] platform, which includes a \$6.9 million one-time milestone related to the initiation of the EMBRAVE study. General and administrative expenses were \$10.1 million for the three months ended June 30, 2023, compared to \$16.8 million for the three months ended June 30, 2022. The decrease in general and administrative expenses of approximately \$6.6 million was primarily due to a decrease in consulting costs, professional fees and personnel-related expenses.

Praxis reported a net loss of \$34.3 million for the three months ended June 30, 2023, including one-time milestone expense of \$6.9 million related to the PRAX-222 program, and \$5.8 million of stock-based compensation expense, compared to \$60.2 million for the three months ended June 30, 2022, including \$7.6 million of stock-based compensation expense.

As of June 30, 2023, Praxis had 128.5 million shares of common stock outstanding.

About Praxis

Praxis Precision Medicines is a clinical-stage biopharmaceutical company translating insights from genetic epilepsies into the development of therapies for CNS disorders characterized by neuronal excitationinhibition imbalance. Praxis is applying genetic insights to the discovery and development of therapies for rare and more prevalent neurological disorders through our proprietary small molecule platform, Cerebrum[™], and antisense oligonucleotide (ASO) platform, Solidus[™], using our understanding of shared biological targets and circuits in the brain. Praxis has established a diversified, multimodal CNS portfolio including multiple programs across movement disorders and epilepsy, with four clinical-stage product candidates. For more information, please visit www.praxismedicines.com and follow us on Facebook, LinkedIn and Twitter.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995 and other federal securities laws, including express or implied statements regarding Praxis' future expectations, plans and prospects, including, without limitation, statements regarding the anticipated timing of our clinical trials and the development of our product candidates, as well as other statements containing the words "anticipate," "believe," "continue," "could," "endeavor," "estimate," "expect," "anticipate," "intend," "may," "might," "plan," "potential," "predict," "project," "seek," "should," "target," "will" or "would" and similar expressions that constitute forward-looking statements under the Private Securities Litigation Reform Act of 1995.

The express or implied forward-looking statements included in this press release are only predictions and are subject to a number of risks, uncertainties and assumptions, including, without limitation: uncertainties inherent in clinical trials; the expected timing of clinical trials, data readouts and the results thereof, and submissions for regulatory approval or review by governmental authorities; regulatory approvals to conduct trials; Praxis' anticipated cash runway; and other risks concerning Praxis' programs and operations as described in its Annual Report on Form 10-K for the year ended December 31, 2022, its Quarterly Reports on Form 10-Q and other filings made with the Securities and Exchange Commission. Although Praxis' forward-looking statements reflect the good faith judgment of its management, these statements are based only on information and factors currently known by Praxis. As a result, you are cautioned not to rely on these forward-looking statements. Any forward-looking statement made in this press release speaks only as of the date on which it is made. Praxis undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future developments or otherwise.

Investor Contact Praxis Precision Medicines investors@praxismedicines.com 857-702-9452

Media Contact Ian Stone Canale Communications Ian.stone@canalecomm.com 619-849-5388

PRAXIS PRECISION MEDICINES, INC. CONDENSED CONSOLIDATED BALANCE SHEETS (Amounts in thousands) (Unaudited)

	June 30, 2023	December 31, 2022
Assets		
Cash and cash equivalents	\$ 124,300	\$ 61,615
Marketable securities	-	38,874
Prepaid expenses and other current assets	5,529	10,351
Property and equipment, net	759	971
Operating lease right-of-use assets	2,494	2,901
Other non-current assets	416	416
Total assets	\$ 133,498	\$ 115,128
Liabilities and stockholders' equity		
Accounts payable	\$ 8,010	\$ 14,672
Accrued expenses	13,317	15,850
Operating lease liabilities	3,010	3,500
Deferred revenue	3,536	5,000
Common stock	13	5
Additional paid-in capital	708,023	606,918
Accumulated other comprehensive loss	-	(173)
Accumulated deficit	(602,411)	(530,644)
Total liabilities and stockholders' equity	\$ 133,498	\$ 115,128

PRAXIS PRECISION MEDICINES, INC. CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Amounts in thousands, except share and per share amounts) (Unaudited)

Three Months Ended June 30,			Six Months Ended June 30,			
	2023		2022	2023		2022
\$	781	\$	-	\$ 1,464	\$	-
	25,614		43,620	51,118		96,272
	10,127		16,774	23,397		32,971
	35,741		60,394	74,515		129,243
	(34,960)		(60,394)	(73,051)		(129,243)
	648		200	1,284		332
	648		200	1,284		332
\$	(34,312)	\$	(60,194)	\$ (71,767)	\$	(128,911)
\$	(0.49)	\$	(1.32)	\$ (1.17)	\$	(2.83)
	69,740,719		45,542,600	61,467,774		45,499,131
	\$	June 2023 \$ 781 25,614 10,127 35,741 (34,960) 	June 30, 2023 \$ 781 25,614 10,127 35,741 (34,960) 648 \$ (34,312) \$ (0.49) \$	June 30, 2023 2022 \$ 781 \$ 25,614 43,620 10,127 16,774 10,127 16,774 60,394 (34,960) (60,394) (34,960) (60,394) 66,394 200 (60,194) (60,194) \$ (60,194) \$ (1.32) \$ (1.32) \$ (1.32) \$ (1.32) \$ (1.32) \$ (1.32) \$ \$ (1.32) \$ \$ (1.32) \$ \$ (1.32) \$ <	2023 2022 2023 \$ 781 \$ - \$ 1,464 25,614 43,620 51,118 23,397 35,741 60,394 74,515 33,971 (34,960) (60,394) (73,051) - - - 1,284 \$ (34,312) \$ (60,194) \$ \$ (0.49) \$ (1.32) \$ (1.17)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

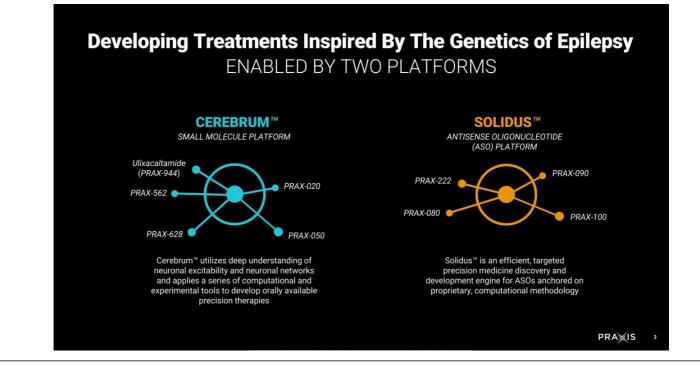


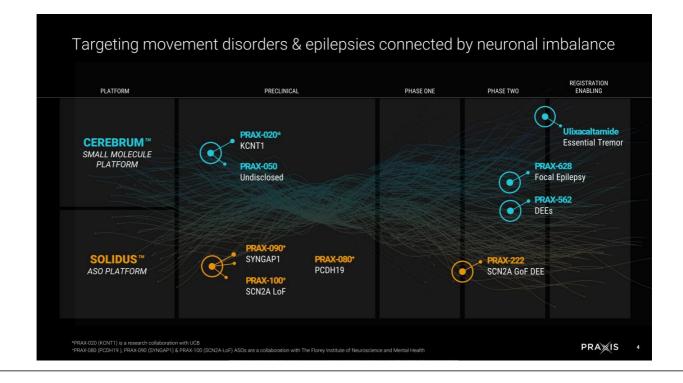
Forward-looking statements

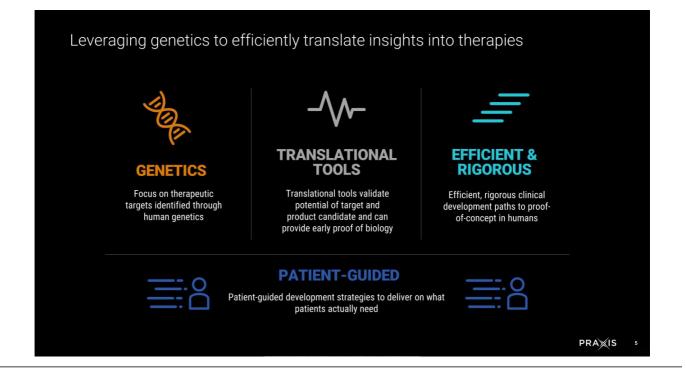
This presentation may contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 relating to our business, operations, and financial conditions, including but not limited to express or implied statements regarding the current beliefs, expectations and assumptions regarding the future of our business, future plans and strategies, our development plans, our preclinical and clinical results and other future conditions. Any forward-looking statements in this presentation are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and important factors that may cause actual events or results to differ materially from those expressed or implied by any forward-looking statements contained in this presentation, including, without limitation, risks relating to: (i) the success and timing of our product development activities and initiating clinical trials, (iii) the success and timing of our collaboration partners' product development activities, (iv) our ability to establish manufacturing capabilities, and our adulty to enter into collaborations for the development of new product candidates, (vi) our ability to establish manufacturing capabilities, and our and our collaboration partners' abilities to manufacture our product candidates, (vii) our ability to establish manufacturing capabilities, and our and our collaboration partners' abilities to manufacture our product candidates and scale production, and (viii) our ability to meet any specific milestones set forth herein. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise. Although we believe the expectations reflected in such forward-looking statements are reasonable, we can

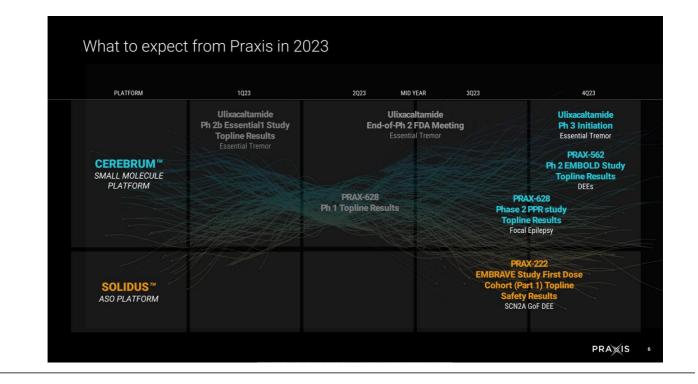
For further information regarding the risks, uncertainties and other factors that may cause differences between our expectations and actual results, you should review the "Risk Factors" section of our Annual Report on Form 10-K for the year ended December 31, 2022, our Quarterly Reports on Form 10-Q and other filings with the Securities and Exchange Commission.

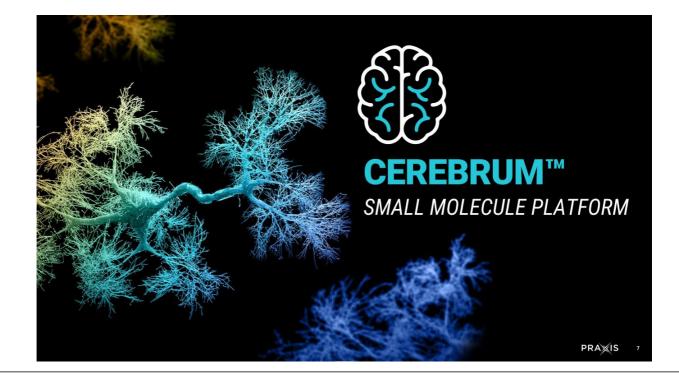
Certain information contained in this presentation relates to or is based on studies, publications, surveys and other data obtained from third-party sources and our own internal estimates and research. While we believe these third-party sources to be reliable as of the date of this presentation, we have not independently verified, and make no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, all of the market data included in this presentation involves a number of assumptions and limitations, and there can be no guarantee as to the accuracy or reliability of such assumptions. Finally, while we believe our own internal research is reliable, such research has not been verified by any independent source.

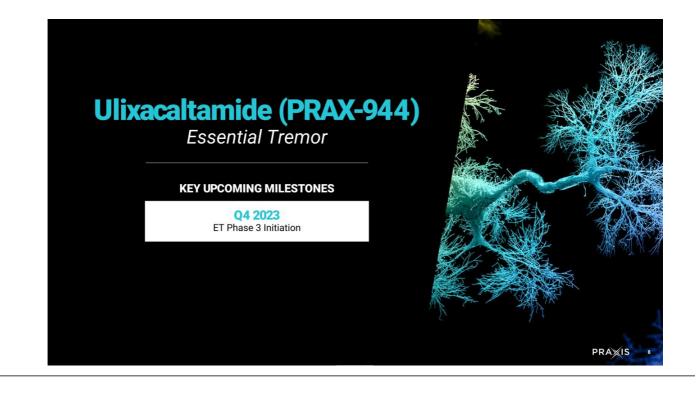


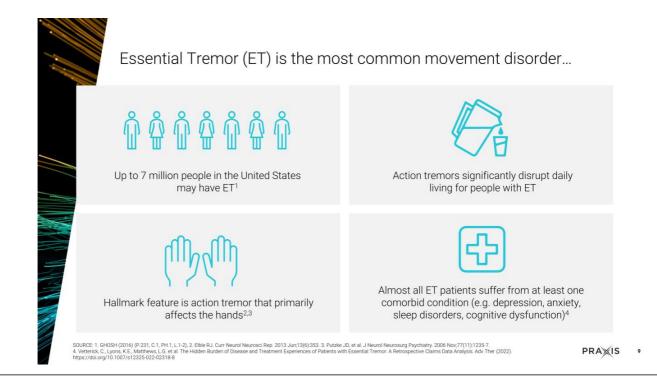


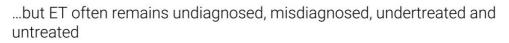


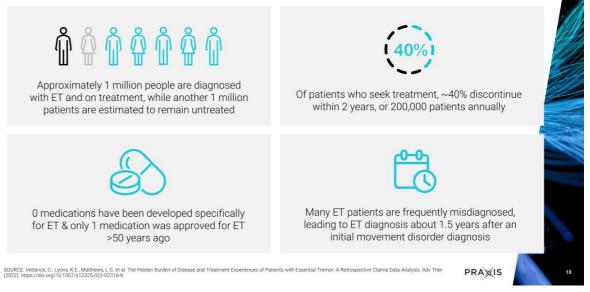


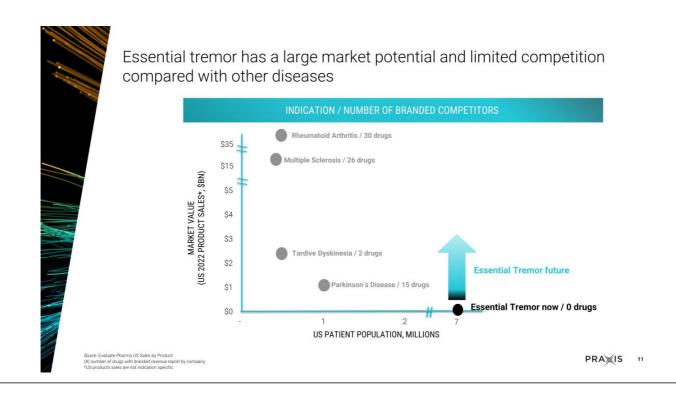












MARCH	JUNE	AUGUST	Q4
		Essential1 Additional Data	Initiate Phase 3 studies
		Patients on ulixacaltamide for 14 weeks see gain in efficacy	
	 EoP2 FDA Meeting Confirmed mADL11¹ as primary endpoint 	 Patients switching from ulixacaltamide to placebo lose efficacy 	
Facentiald Dhase 0	 60 mg as dose for the Phase 3 trials: one parallel design, one 		
Essential1 Phase 2 Study	randomized withdrawal study		
Clinically meaningful effectWell tolerated safety profile			

T-type calcium channels are gatekeepers of neuronal firing patterns in the Cerebello-Thalamo-Cortical (CTC) circuit

200Hz DBS On

Burst Firing mediated by T-channels

> ET Tremor measured by

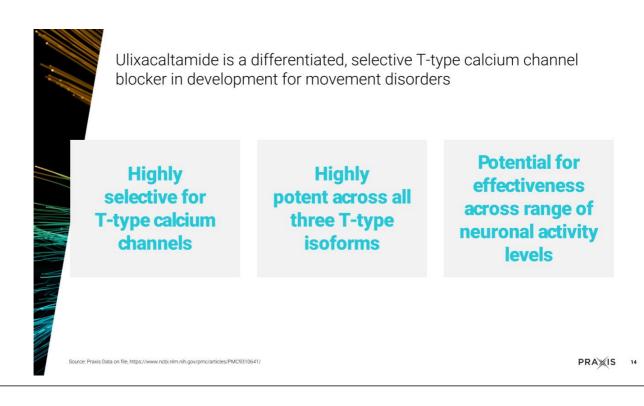
Source: Based on Milosevic 2018 figured on actual ET patient intraoperative real-time single-unit recordings of action potentials of individual neurons

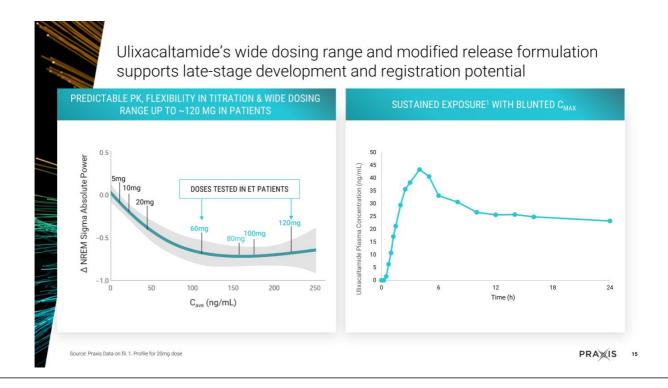
TTCC drive burst firing in the CTC circuit

Burst firing in the CTC circuit correlated with tremor in patients with ET

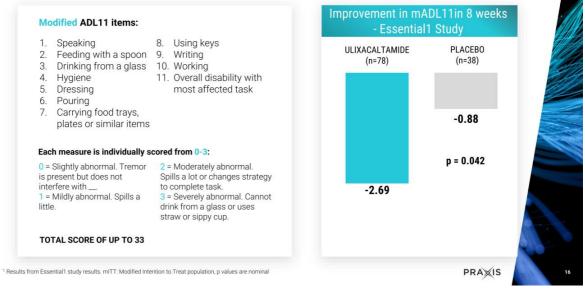
Deep Brain Stimulation reduces burst firing and tremor

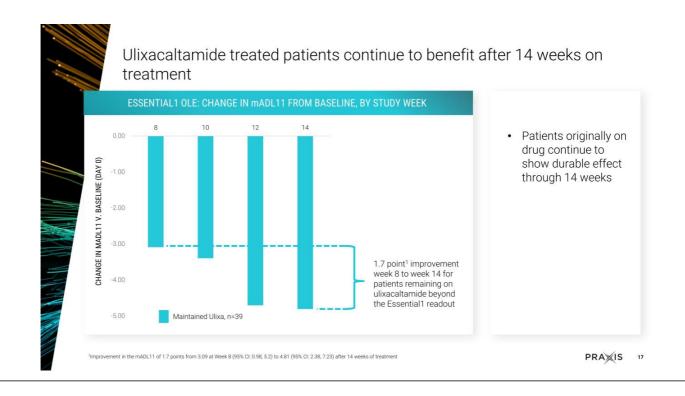
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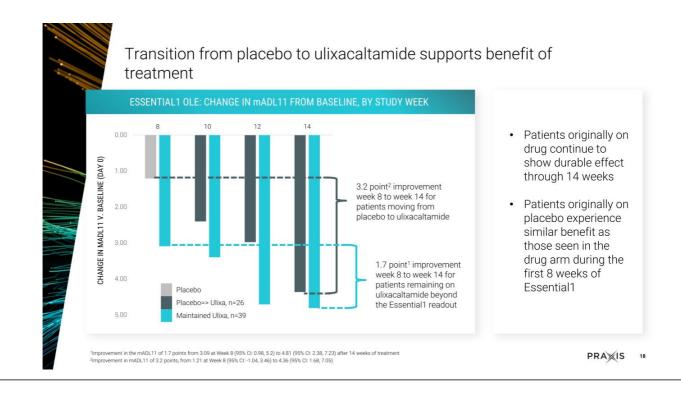




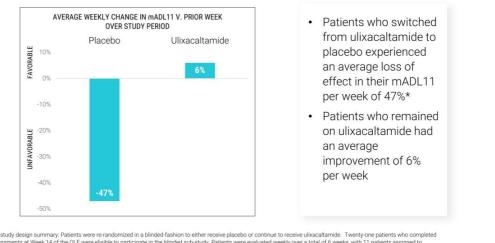
mADL11 as Phase 3 endpoint has been successfully used in the Phase 2 program







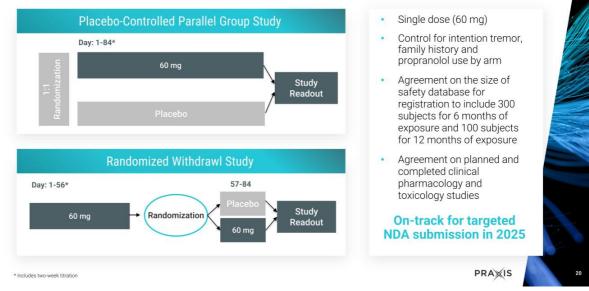
Randomized withdrawal randomized study supports design of proposed Phase 3

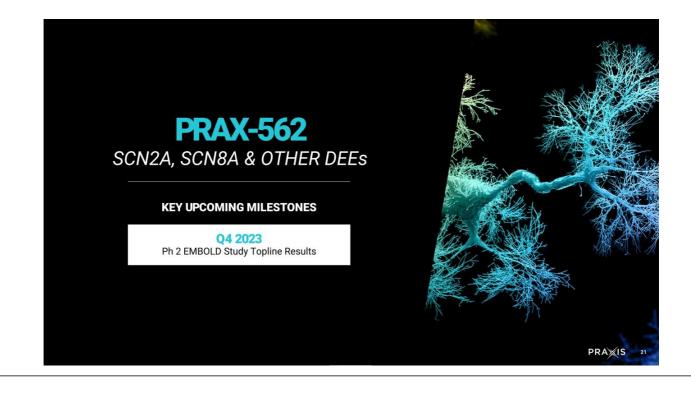


Sub-study design summary: Patients were re-randomized in a blinded-fashion to either receive placebo or continue to receive ulixacaltamide. Twenty-one patients who completed assessments at Week 14 of the OLE were eligible to participate in the blinded sub-study. Patients were evaluated weekly over a total of 6 weeks, with 11 patients assigned to ulixacaltamide and 10 to placebo for the initial 3-week period, crossing over to either placebo or ulixacaltamide for an additional 3-week period. Blinded rescue was triggered for patients on placebo if loss in the mADL11 exceeded 2 points at any timepoint.

PRAXIS

Phase 3 program comprised of two complementary 12-week studies ${\bf mADL11}$ as primary endpoint







Preclinical and emerging clinical data demonstrate PRAX-562 has the potential to be a first- and best- in-class small molecule for DEEs

PRAX-562

SCN2A, SCN8A + OTHER DEEs

FORMULATED FOR PEDIATRIC USE

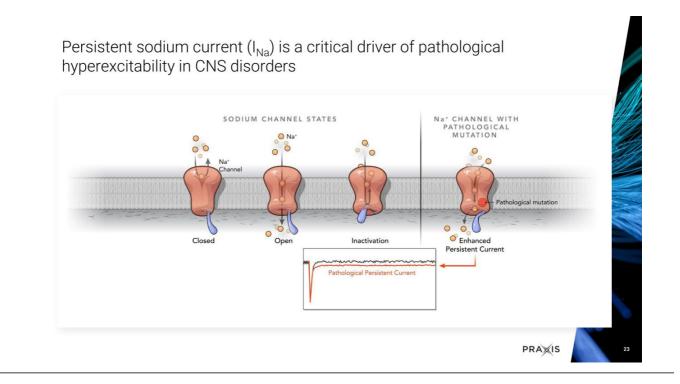
SMALL MOLECULE

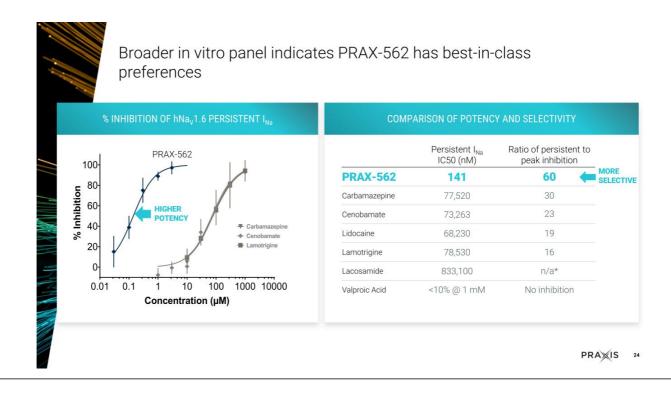
Superior selectivity for disease-state $\ensuremath{\mathsf{Na}_{\mathsf{V}}}$ channel hyperexcitability

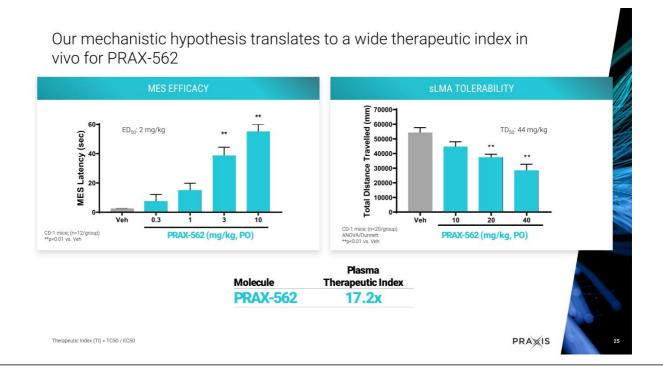
Unprecedented therapeutic window with potential for superior safety and efficacy

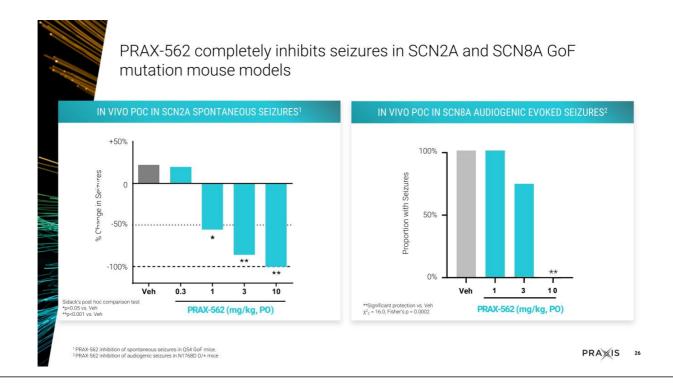
Convenient auto-titration regimen with stable PK

PRAXIS 22



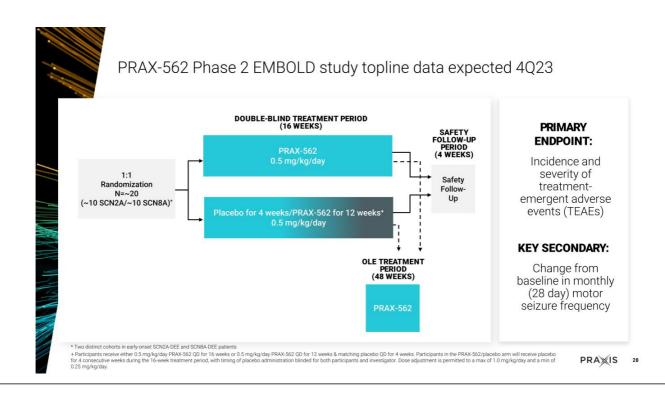


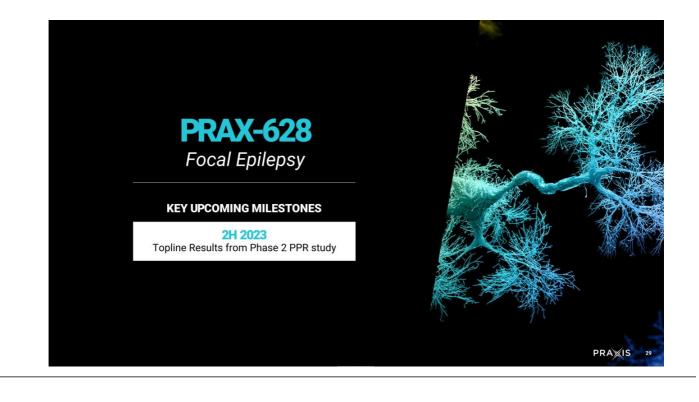


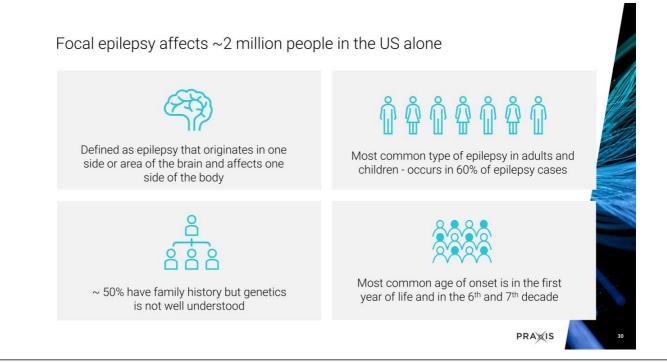


PRAX-562 Phase 1 summary

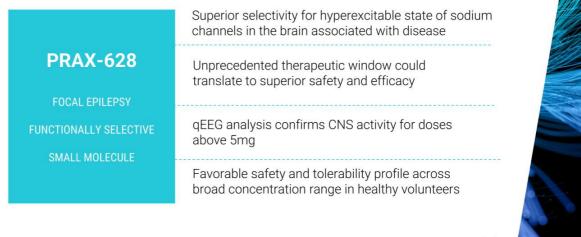








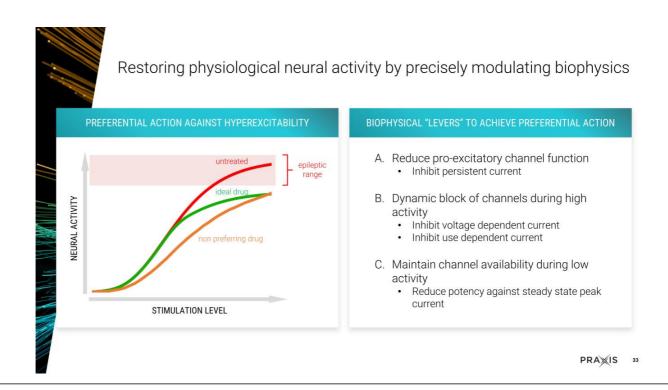
Preclinical and Phase 1 data demonstrate potential of PRAX-628 as best-in-class treatment for focal epilepsy

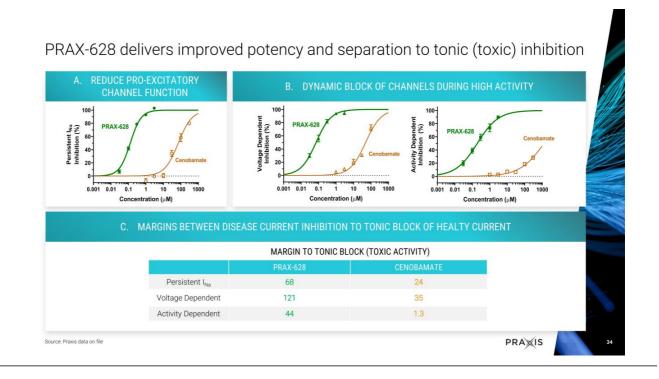


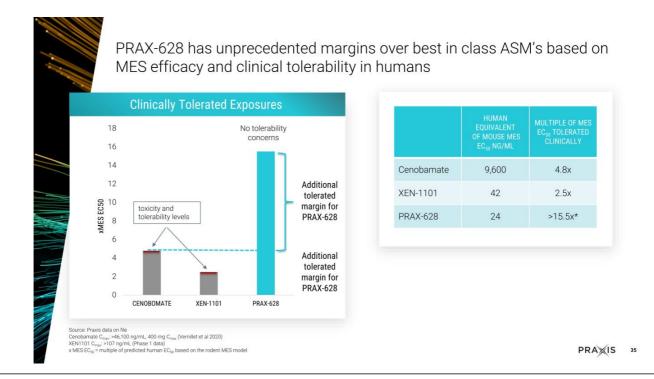
PRAXIS

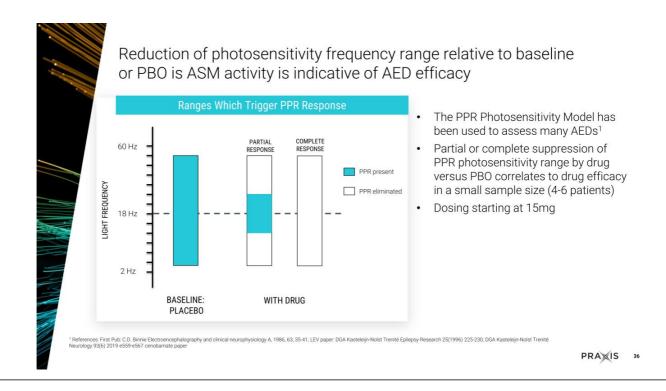
PRAX-628: Road to Phase 2 focal epilepsy study

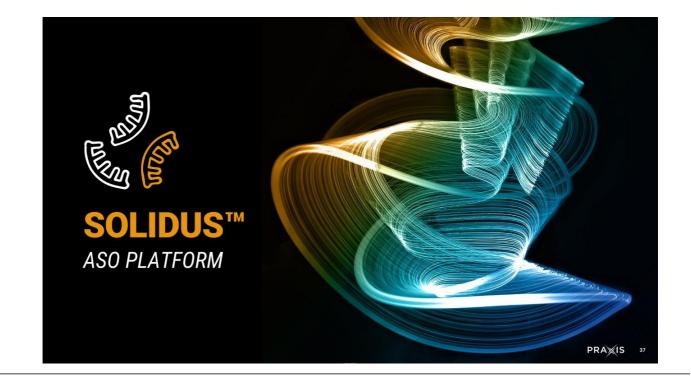
DECEMBER	MAY	AUGUST	2H '23	1H'24
	Phase 1 Safety Study Demonstrated a favorable safety and		Topline results Phase 2 PPR study	Initiate Phase 2 Focal study
		Phase 1 Study qEEG Analysis Confirmed pharmacodynamic activity across all dose levels for study subjects who received PRAX-628		
2022 AES: Pre-clinical data shows otent anticonvulsant ctivity, wide preclinical rotective index, ompared vith standard NaV- argeting AEDs	tolerability profile in healthy volunteers			

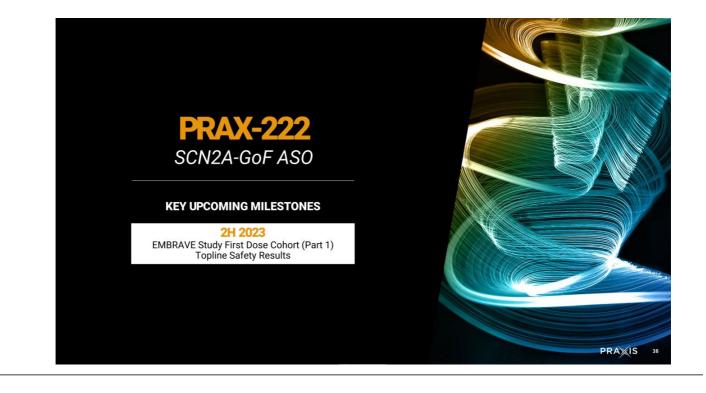


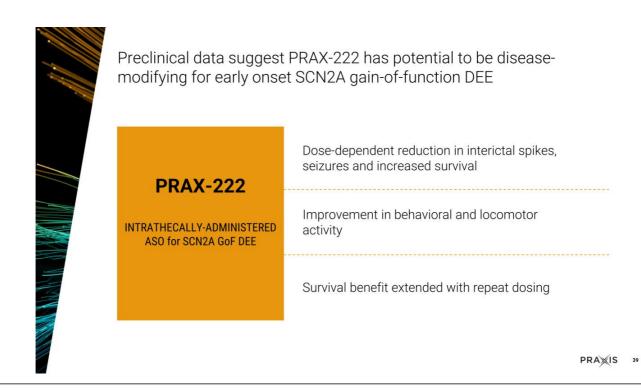


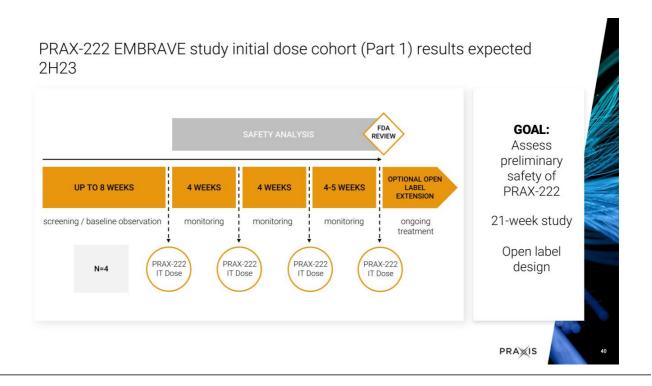


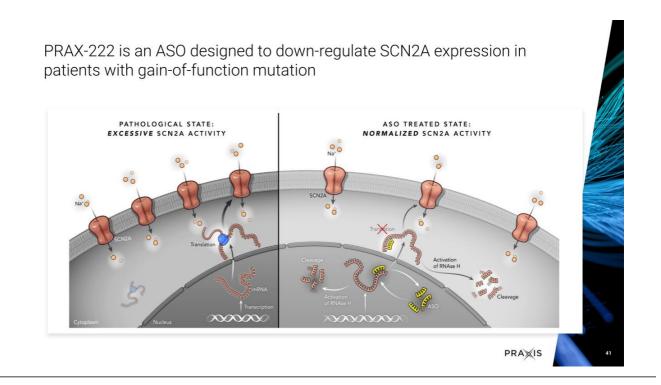


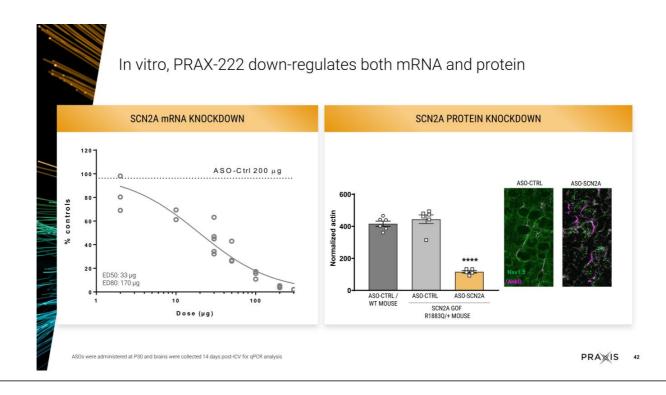












PRAX-222 increases survival in SCN2A GoF mice

