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): January 09, 2023

Larimar Therapeutics, Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware (State or Other Jurisdiction of Incorporation) 001-36510 (Commission File Number) 20-3857670 (IRS Employer Identification No.)

Three Bala Plaza East Bala Cynwyd, Pennsylvania (Address of Principal Executive Offices)

19004 (Zip Code)

Registrant's Telephone Number, Including Area Code: (844) 511-9056

(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)

D Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

D 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:

	Trading	
Title of each class	Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	lrmr	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 \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. \Box

Item 8.01 Other Events.

On January 9, 2023, Larimar Therapeutics, Inc. (the "<u>Company</u>") posted on its website an updated slide presentation, which is attached as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference. Representatives of the Company will use the presentation in various meetings with investors, analysts and other parties from time to time.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Below is a list of exhibits included with this Current Report on Form 8-K.

Exhibit No.	Document
99.1	Larimar Therapeutics, Inc. Corporate Presentation, dated January 9, 2023*
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

*Filed herewith.

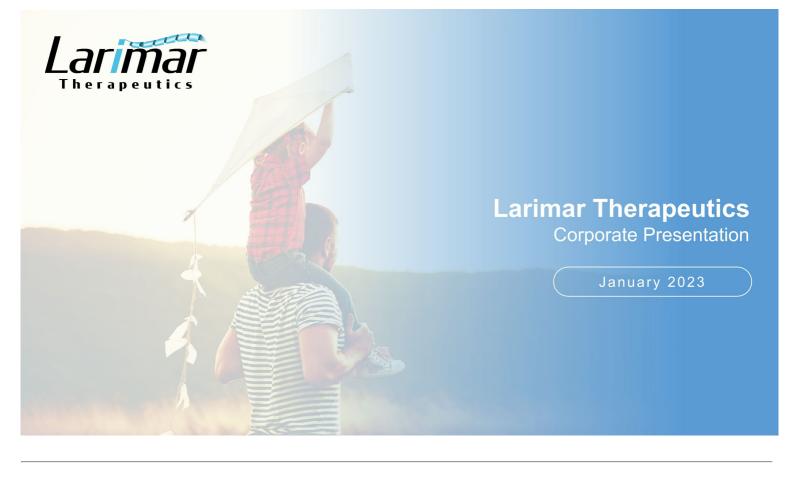
SIGNATURES

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.

Larimar Therapeutics, Inc.

Date: January 9, 2023

By: /s/ Carole S. Ben-Maimon, M.D. Name: Carole S. Ben-Maimon, M.D. Title: President and Chief Executive Officer



Forward-Looking Statements

This presentation contains forward-looking statements that are based on the beliefs and assumptions of Larimar Therapeutics, Inc. ("Company") and on information currently available to management. All statements contained in this presentation other than statements of historical fact are forward-looking statements, including but not limited to statements regarding the expectations and assumptions regarding the future of the Company's business, including the Company's ability to develop and commercialize CTI-1601 and other planned product candidates, the Company's planned research and development efforts, and other matters regarding the Company's business strategies, use of capital, results of operations and financial position, and plans and objectives for future operations.

In some cases, you can identify forward-looking statements by the words "may," "will," "could," "should," "expect," "intend," "plan," "anticipate," "believe," "estimate," "predict," "project," "potential," "continue," "ongoing" or the negative of these terms or other comparable terminology, although not all forward-looking statements contain these words. These statements involve risks, uncertainties and other factors that may cause actual results, performance, or achievements to be materially different from the information expressed or implied by these forward-looking statements. These risks, uncertainties and other factors include, among others, the Company's ability to successfully engage with the FDA and satisfactorily respond to requests from the FDA for further information and data regarding the CTI-1601 clinical trial including the FDA review of data from cohort one from the Phase 2 dose exploration trial and FDA 's agreement to escalate the dosing in cohort two, the timing and outcomes of the Company's interactions with the FDA concerning the partial clinical hold, the success, cost and timing of the Company's product development activities, nonclinical studies and clinical trials, including CTI-1601 clinical milestones; that preliminary clinical trial results may differ from final clinical trial results, that earlier non-clinical and clinical data and testing of CTI-1601 may not be predictive of the results or success of later clinical trials, and assessments; the ongoing impact of the COVID-19 pandemic on the Company's future clinical trials, manufacturing, regulatory, nonclinical study timelines and operations, and the potential impact of the Russian invasion of Ukraine on the Company's ability to raise additional capital and general economic conditions; the Company's ability and the ability of third-party manufacturers the Company engages, to optimize and scale CTI-1601's manufacturing process; the Company's ability to obtain regulatory approvals for CTI-1601 and future product candidates; the Company's ability to develop sales and marketing capabilities, whether alone or with potential future collaborators, and to successfully commercialize any approved product candidates; the Company's ability to raise the necessary capital to conduct its product development activities; and other risks described in the filings made by the Company with the Securities and Exchange Commission (SEC), including but not limited to 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 SEC and available at www.sec.gov. These forward-looking statements are based on a combination of facts and factors currently known by the Company and its projections of the future. about which it cannot be certain. As a result, the forward-looking statements may not prove to be accurate. These forward-looking statements are based on information currently available to us, and we assume no obligation to update any forward-looking statements, except as required by law.



Investment Highlights



Clinical-stage biotechnology company with a novel protein replacement therapy platform Focused on addressing unmet needs in Friedreich's ataxia (FA) and potentially other complex rare diseases based on a platform technology backed by a strong intellectual property portfolio



Lead candidate: CTI-1601, a recombinant fusion protein designed to deliver frataxin to mitochondria Orphan Drug (US & EU), Rare Pediatric Disease (US), Fast Track (US), & PRIME (EU) designations for FA

Double-blind, placebo-controlled Phase 1 proof-of-concept trials in FA patients complete Data show dose dependent increases in frataxin (FXN) levels from baseline compared to placebo in all evaluated tissues with daily dosing & that CTI-1601 was generally well tolerated when dosed for up to 13 days



Placebo-controlled, Phase 2, 4-week dose exploration study in FA patients ongoing Cohort 1 evaluates 25 mg dose; Due to partial clinical hold, dose escalation/further clinical studies contingent on FDA review of cohort 1 data; Plan to provide update in Q2 2023; Top-line data from trial expected in 2H 2023



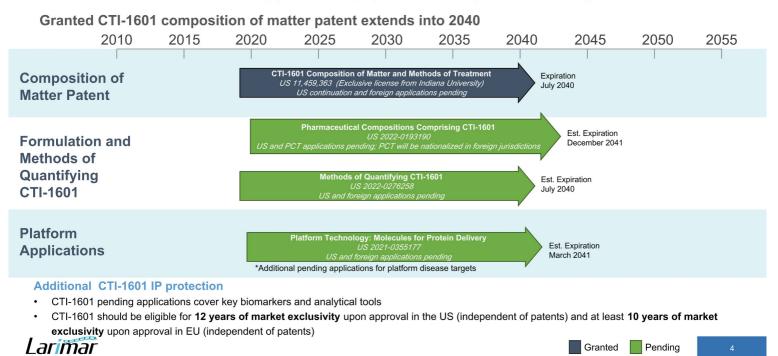
Strong financial foundation with projected cash runway into 2H 2024 September 30, 2022 cash - \$124.7M; September 2022 public offering raised \$75.2M in net proceeds

High-quality institutional investor base includes founding investor Deerfield Management





Platform Technology is Supported by a Strong IP Portfolio



Friedreich's Ataxia (FA)

Rare and Progressive Disease

Caused by genetic defect resulting in low levels of frataxin

- Patients with FA only produce ~20-40% of normal frataxin levels depending on the tissue, sampling technique, and assay considered¹
- Affects ~20,000 patients globally, with ~5,000 patients in the U.S. and majority of the remaining patients in the EU

Approximately 70% of patients present before age 14

Initial symptoms may include unsteady posture, frequent falling and progressive difficulty in walking. By the time symptoms occur, heart damage may have already occurred. Progressive disease: symptoms worsen and patients are eventually confined to a wheelchair with speech becoming hesitant and jerky (often referred to as "scanning of speech")

Life expectancy of 30-50 years

Early death usually caused by heart disease

No approved therapies available

- · Current treatment options are limited to symptom management
- LRMR continues to have a strong relationship with Friedreich's Ataxia Research Alliance
- Dedicated FA patient advocacy group focused on treatments for FA



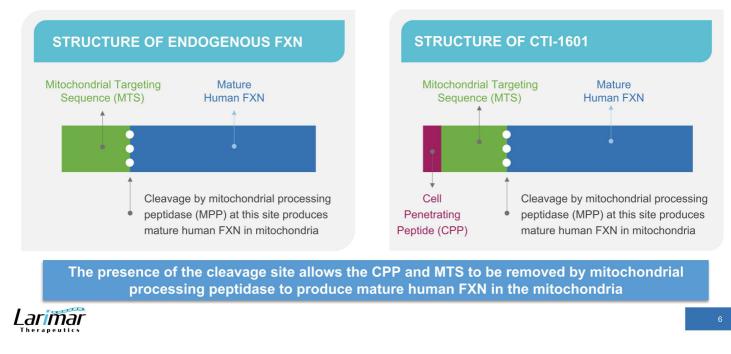
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1. E.C. Deutsch et al. Molecular Genetics and Metabolism 101 (2010) 238-245



CTI-1601 is Designed to Deliver Additional Frataxin (FXN)

CTI-1601 maintains the cleavage site between the MTS and mature human FXN



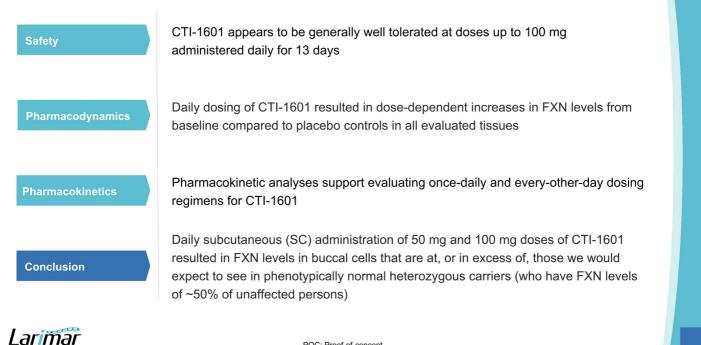
Ongoing Phase 2, Four-week Dose Exploration Study

Goal: Further characterize PK/PD and assess safety to inform long-term dose and dose regimen

	Treatment Schedule							
	28-day Treatment Period							
1 2 3	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28							
_	stration of CTI-1601 or placebo							
= No Adı	ninistration							
	Study Details							
Population	Ambulatory and non-ambulatory Friedreich's ataxia patients ≥18 years of age. CTI-1601 treatment naïve or participated (if eligible) in a previous Larimar study.							
Dose	Cohort 1: 25 mg Cohort 2: Dose escalation contingent on a review of Cohort 1 data by FDA and IDMC.							
Key Endpoints	Frataxin levels in peripheral tissue, PK, PD, safety and tolerability. PD endpoints include lipid profiles and gene expression data.							
Number of Patients	~12-15 patients in Cohort 1 randomized 2:1 to receive CTI-1601 or placebo.							
Timing	Cohort 1 is ongoing; Expect to provide update on the trial in Q2 2023. Top-line data expected in 2H 2023.							
	IDMC: Independent data monitoring committee							



Phase 1 Top-line Data Demonstrated POC for CTI-1601 in FA



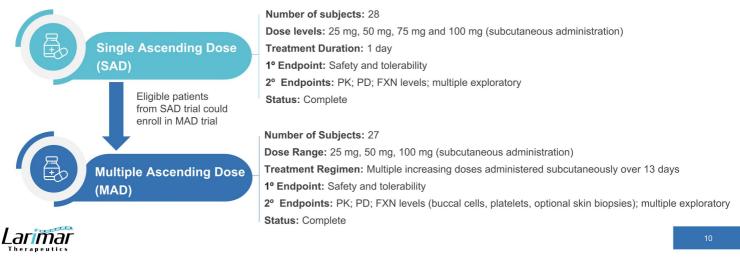
POC: Proof-of-concept

CTI-1601: Phase 1 Clinical Program in Patients with FA

Program consisted of double-blind, placebo controlled single- and multiple-ascending dose trials

Phase 1 Development Plan

- · Two double-blind, placebo-controlled dosing trials in patients with FA
- Patient dosing began December 2019
- · Safety Review Committee assessed all blinded data between each cohort to ensure patient safety

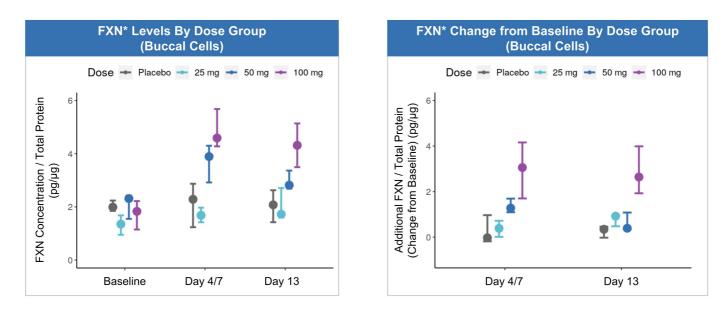


Completed Multiple Ascending Dose Study

		Treatment	Schedules for Each Cohort			
	Cohort 1 (25 mg; n = 8)	(Cohort 2 (50 mg; n = 9)	Cohort 3 (100 mg n = 10)		
13-day Treatment Period 13-day Treatment Period		3-day Treatment Period	13-day Treatment Period			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 1 2 3 4 5 6 7 8 9 10 11 12 13 14		1 2 3 4 5 6 7 8 9 10 11 12 13 14				
= Administration of CTI-1601 or placebo		= Administration of CTI-1601 or placebo				
= No Administration = No Administration			ninistration	= No Administration		
	FXN L	.evel Samplir	ng Days Presented for Each	Cohort		
Cohort 1 Sampling Days		c	ohort 2 Sampling Days	Cohort 3 Sampling Days		
Buccal Cells	Baseline, Day 4, Day 13	Buccal Cells	Baseline, Day 7, Day 13	Buccal Cells	Baseline, Day 7, Day 13	
Skin	Baseline, Day 13	Skin	Baseline, Day 13	Skin	Baseline, Day 13	
Platelets	Baseline, Day 4, Day 13	Platelets	Baseline, Day 7, Day 13	Platelets	Baseline, Day 7, Day 13	



Dose Dependent Increases in FXN Levels Observed in Buccal Cells





*FXN levels measured via detection of peptide derived from mature FXN; Data represent median and 25th and 75th percentiles; FXN levels from baseline, Day 4, & Day 13 measurements are shown for data derived from the 25 mg cohort; FXN levels from baseline, Day 7 & Day 13 measurements are shown for data derived from the 50 & 100 mg cohorts; Sample collection days varied in each cohort per the trial protocol

Data Compare Favorably to FXN Levels Expected in Heterozygous Carriers

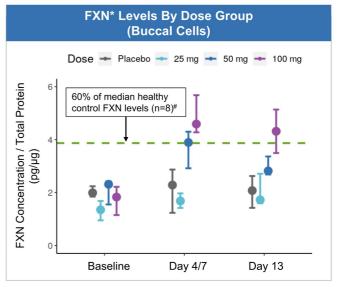
Achieved median FXN levels that were >60% of the median FXN levels observed in healthy controls

Benchmarking Clinical Relevance

- FXN levels in buccal cells and blood have been shown to correlate with neurological function in FA patients¹
- Patients with FA only produce ~20-40% of normal frataxin levels depending on the tissue considered²
- Heterozygous carriers who show no signs of disease have FXN levels of ~50% of unaffected healthy persons²

Comparison to Healthy Controls

- FXN levels were measured in buccal cells from 8 healthy controls using the same assay and sampling technique employed in the Phase 1 MAD trial
- With daily administration, patients in Cohorts 2 & 3 of the Phase 1 MAD trial achieved median buccal cell FXN levels that were >60% of the median FXN levels observed in healthy controls





*FXN levels measured via detection of peptide derived from mature FXN; [#]Data on file; Data represent median and 25th and 75th percentiles ; FXN levels from baseline, Day 4, & Day 13 measurements are shown for data derived from the 25 mg cohort; FXN levels from baseline, Day 7 & Day 13 measurements are shown for data derived from the 50 & 100 mg cohorts; Sample collection days varied in each cohort per the trial protocol. 1. Lazaropoulos et al. Ann Clin Transl Neurol. 2015 Aug; 2(8): 831–842; 2. E.C. Deutsch et al. Molecular Genetics and Metabolism 101 (2010) 238–245.

Repeated subcutaneous injections of CTI-1601 were generally well tolerated in Phase 1 MAD trial

Summary of MAD trial safety data:

Repeated doses (25 mg, 50 mg, and 100 mg) of CTI-1601 or placebo were administered subcutaneously.

No serious adverse events (SAEs), important medical events, or treatment-related severe adverse events were observed.

Most common adverse events (AEs) were mild and moderate injection site reactions (ISR). At least one ISR was seen in 43% of patients receiving placebo, and all patients receiving CTI-1601 experienced ISRs.

Most ISRs resolved within an hour after injection, and all ISRs resolved without intervention. There were no study discontinuations due to ISRs.

Except for ISRs, the number and severity of AEs did not increase with increasing exposure to CTI-1601.

CTI-1601 Clinical Development Plan

Update planned for Q2 2023

Trials Include:



Phase 2, four-week dose exploration study intended to identify dose and dose regimen for long-term studies. Study is ongoing*. Top-line data expected in 2H 2023

Larimar





Jive open-label extension trial for eligible patients who participated in SAD, MAD, and/or four-week dose exploration studies. Initiation currently planned for 2H 2023*



MAD trial in patients 2 to 17 years of age. Participants eligible to screen for Jive OLE trial. Initiation currently planned for 2H 2023*



Global double-blind placebo-controlled pivotal trial.

*Due to the FDA partial clinical hold, the conduct of additional cohorts in the Phase 2 study, as well as other studies will be subject to FDA review of Phase 2 cohort 1 data, and possibly other data.



Investment Highlights



Clinical-stage biotechnology company with a novel protein replacement therapy platform Focused on addressing unmet needs in Friedreich's ataxia (FA) and potentially other complex rare diseases based on a platform technology backed by a strong intellectual property portfolio



Lead candidate: CTI-1601, a recombinant fusion protein designed to deliver frataxin to mitochondria Orphan Drug (US & EU), Rare Pediatric Disease (US), Fast Track (US), & PRIME (EU) designations for FA

Double-blind, placebo-controlled Phase 1 proof-of-concept trials in FA patients complete Data show dose dependent increases in frataxin (FXN) levels from baseline compared to placebo in all evaluated tissues with daily dosing & that CTI-1601 was generally well tolerated when dosed for up to 13 days

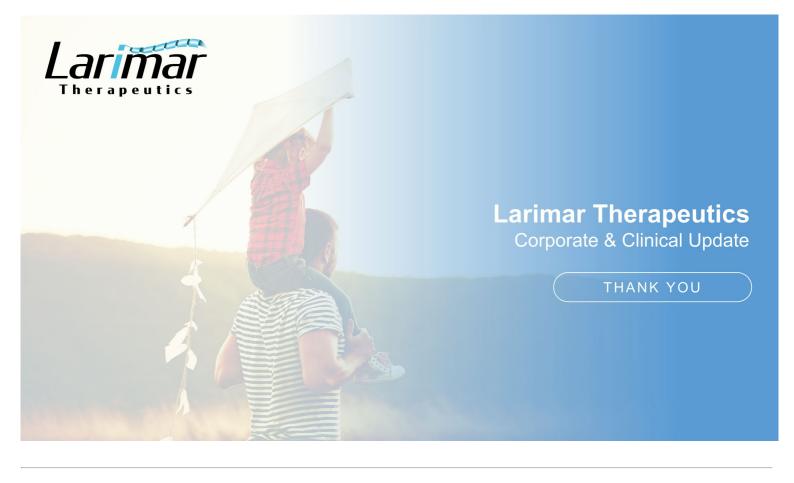


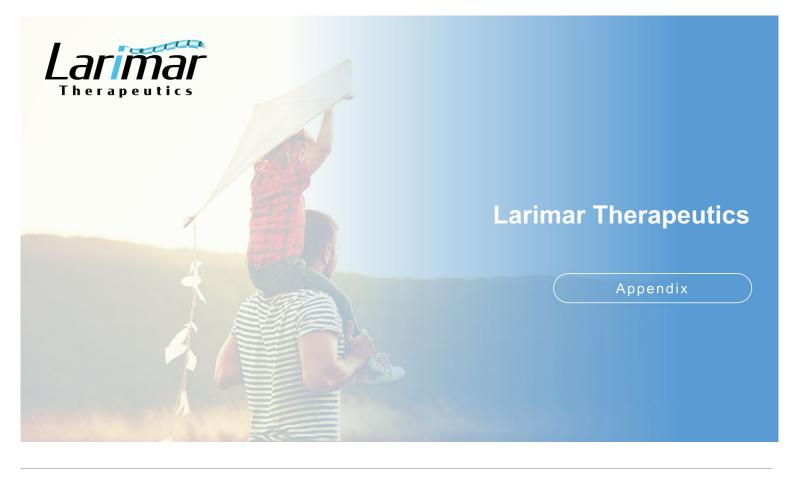
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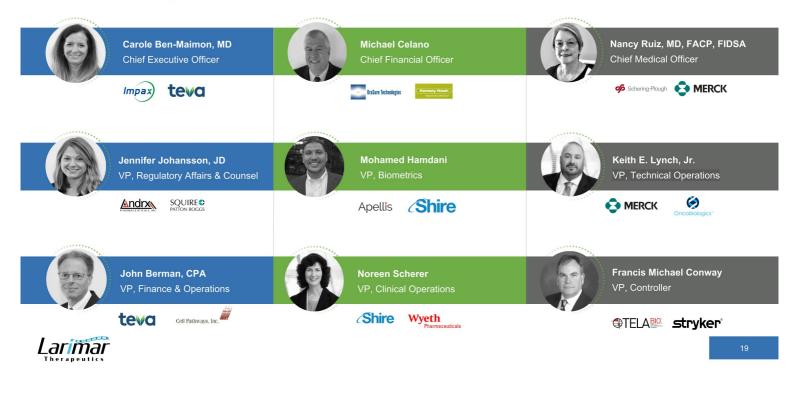
Strong financial foundation with projected cash runway into 2H 2024 September 30, 2022 cash - \$124.7M; September 2022 public offering raised \$75.2M in net proceeds High-quality institutional investor base includes founding investor Deerfield Management







Leadership Team



Scientific Advisory Board



Russell Clayton, DO (Chairman)

Former Chief Medical Officer at Alcresta Therapeutics, a medical device company

Former Senior Vice President of Research and Development at Discovery Labs, a pharmaceutical and medical device company





MD, PhD

Finbar and Marianne Kenny Professor in Clinical and Research Neurology at Weill Cornell Medicine.

Professor of Neuroscience at Weill Cornell Medicine.



Co-founder of Chondrial Therapeutics, which became Larimar Therapeutics, Inc.

Professor of Pediatrics at Indiana University School of Medicine



Executive Director of the Mitochondrial Medicine Frontier Program at The Children's Hospital of Philadelphia (CHOP)

Professor in the Division of Human Genetics, Department of Pediatrics at University of Pennsylvania Perelman School of Medicine



Medical Director and Division Chief of the University of California San Francisco (UCSF) Movement Disorders and Neuromodulation Center.

Carlin and Ellen Wiegner Endowed Professor of Neurology

Strong Relationship with FARA

Company has strong relationship with Friedreich's Ataxia Research Alliance (FARA)

• National, non-profit organization dedicated to the pursuit of scientific research leading to treatments and a cure for FA

FARA provides industry with several key items

- Assistance with patient recruitment and education
- Access to Global Patient Registry with demographic and clinical information on more than 1,000 FA patients
- Sponsored a Patient-Focused Drug Development Meeting in 2017 resulting in a publication titled "The Voice of the Patient"



MAD Trial Patient Demographics

Parameter	Statistic	All placebo (n=7)	25 mg CTI-1601 (n=6)	50 mg CTI-1601 (n=7)	100 mg CTI-1601 (n=7)	All CTI-1601 (n=20)	Overall (n=27)
Sex							
Male	n (%)	5 (71.4)	3 (50.0)	4 (57.1)	3 (42.9)	10 (50.0)	15 (55.6)
Female	n (%)	2 (28.6)	3 (50.0)	3 (42.9)	4 (57.1)	10 (50.0)	12 (44.4)
Age (years)							
	Mean	25.7	39.7	34.7	28.0	33.9	31.7
	SD	6.37	16.59	9.03	8.96	12.13	11.40
	Median	23	37	36	24	34	28
	Min, Max	20,36	21,65	19,47	20,44	19,65	19,65
Race							
White	n (%)	6 (85.7)	6 (100.0)	6 (85.7)	6 (85.7)	18 (90.0)	24 (88.9)
Asian	n (%)	0	0	1 (14.3)	1 (14.3)	2 (10.0)	2 (7.4)
American Indian	n (%)	1 (14.3)	0	0	0	0	1 (3.7)
Ethnicity							
Hispanic/Latino	n (%)	2 (28.6)	0	0	0	0	2 (7.4)
Not Hispanic/Latino	n (%)	5 (71.4)	6 (100.0)	7 (100.0)	7 (100.0)	20 (100.0)	25 (92.6)



SD: Standard deviation

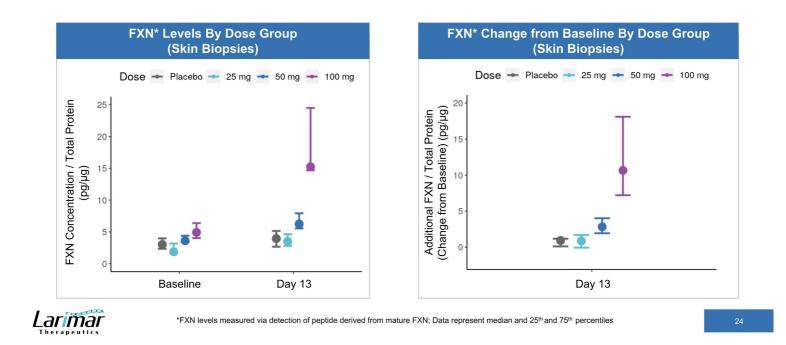
MAD Trial Patient Disease Characteristics

Parameter	Statistic	All placebo (n=7)	25 mg CTI-1601 (n=6)	50 mg CTI-1601 (n=7)	100 mg CTI-1601 (n=7)	All CTI-1601 (n=20)	Overall (n=27)
Age at Symptom Onset							
	Mean	14.1	24.0	19.3	11.9	18.1	17.1
	SD	5.34	14.48	6.21	6.72	10.37	9.39
	Median	15.0	18.0	19.0	10.0	18.0	16.0
	Min, Max	8,23	12,44	8,28	5,22	5,44	5,44
Age at Diagnosis							
	Mean	18.3	31.5	26.4	15.9	24.3	22.7
	SD	7.87	19.88	4.28	8.21	13.24	12.23
	Median	20.0	25.5	28.0	13.0	27.0	21.0
	Min, Max	9,32	14,64	17,30	5,27	5,64	5,64
Assistive Device							
Walker	n (%)	0	2 (33.3)	3 (42.9)	0	5 (25.0)	5 (18.5)
Wheelchair	n (%)	4 (57.1)	3 (50.0)	1 (14.3)	6 (85.7)	10 (50.0)	14 (51.9)
Other	n (%)	1 (14.3)	0	1(14.3)	0	1 (5.0)	2 (7.4)
None	n (%)	2 (28.6)	1 (16.7)	2 (28.6)	1 (14.3)	4 (20.0)	6 (22.2)

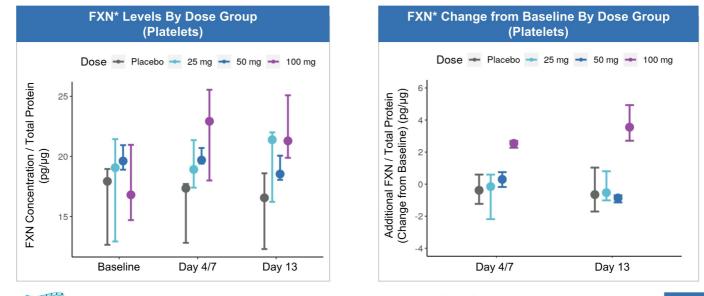


SD: Standard deviation

Dose Dependent Increases in FXN Levels Observed in Skin



Dose Dependent Increases in FXN Levels Observed in Platelets with Daily Dosing





*FXN levels measured via detection of peptide derived from mature FXN; Data represent median and 25th and 75th percentiles; FXN levels from baseline, Day 4, & Day 13 measurements are shown for data derived from the 25 mg cohort; FXN levels from baseline, Day 7 & Day 13 measurements are shown for data derived from the 50 & 100 mg cohorts; Sample collection days varied in each cohort per the trial protocol

PK analyses support evaluating once-daily and every-other-day dosing regimens for CTI-1601

Summary of PK Analyses

- CTI-1601 was quickly absorbed after subcutaneous administration
- O Dose-proportional increases in exposure observed with increasing doses of CTI-1601
- Mean half life of CTI-1601 in plasma was approximately 11 hours
- CTI-1601 appears to be at or close to steady state exposure after 13 days of dosing 100 mg once daily

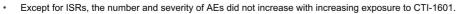
Clinical & Non-clinical Safety Data Supported Initiation of 4-Week, Phase 2 Dose Exploration Study at 25 mg

FDA cleared Phase 2 study's initiation following review of clinical and non-clinical data

SUMMARY OF MULTIPLE-ASCENDING DOSE (MAD) TRIAL SAFETY DATA

Repeated SC injections of CTI-1601 appear to be generally well tolerated at doses up to 100 mg administered daily for 13 days.

- No serious adverse events (SAEs), important medical events, or treatment-related severe adverse events were observed.
- Most common AEs were mild and moderate injection site reactions (ISR). At least one ISR was seen in 43% of patients receiving placebo, and all patients
 receiving CTI-1601 experienced ISRs. Most ISRs resolved within an hour after injection, and all ISRs resolved without intervention. There were no study
 discontinuations due to ISRs.



SUMMARY OF NON-HUMAN PRIMATE (NHP) DATA

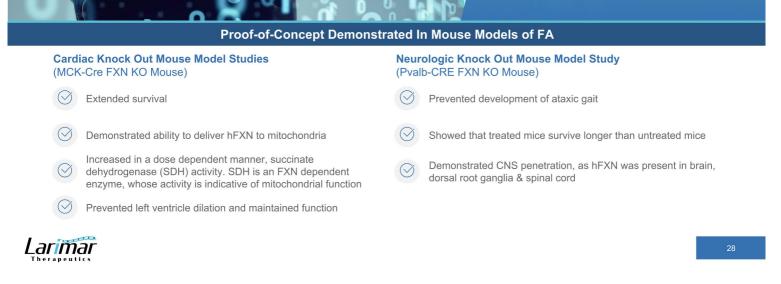
- The clinical hold was put in place following deaths that occurred during the 26-week toxicology study in 3 out of a total of 34 NHPs. All 3 of these NHPs were in the two highest dose groups. All NHPs in the two lower dose groups survived to the end of the 26-week toxicology study.
- Based on AUC, C_{max}, and C_{trough} from the Phase 1 studies at the 25 mg and 50 mg levels, and the no observed adverse effect levels from the 4-, 13-, and 26-week toxicology studies, the safety margins calculated for CTI-1601 are generally greater than 10.
- Though the precise mechanism of toxicity in NHPs was not determined, we believe the toxicity was associated with accumulation and high levels of
 exposure as demonstrated by the safety margins. We believe the presence of persistent edema at the injection sites in some NHPs may explain the
 accumulation associated with adverse events, as well as higher plasma levels of CTI-1601. In the clinic, injection sites will be closely monitored and we
 intend to avoid the use of injection sites where persistent edema is present.



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SC: Subcutaneous

CTI-1601: Positive Mouse Model Data Support Development



CTI-1601 Extends Survival in FXN-deficient KO Mice

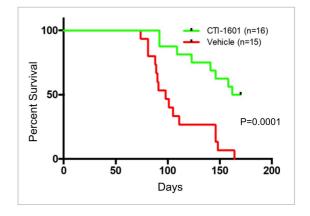
Initial Proof-of-Concept for FXN Replacement Therapy in Cardiac Mouse Model of FA

Median Survival of MCK-Cre FXN-KO Mice

- 166 days (CTI-1601) vs. 98 days (Vehicle)
- CTI-1601 was administered 10 mg/kg SC every other day

Survival beyond vehicle mean (107.5 days)

- 87.5% (CTI-1601) vs. 33% (Vehicle)
- Demonstrates that CTI-1601 is capable of delivering sufficient amounts of FXN to mitochondria



CTI-1601 rescues a severe disease phenotype in a well-characterized cardiac mouse model of FA



CTI-1601 Prevents The Development of Ataxic Gait in KO mice

In-Vivo Efficacy Data in Neurologic KO Mouse Model

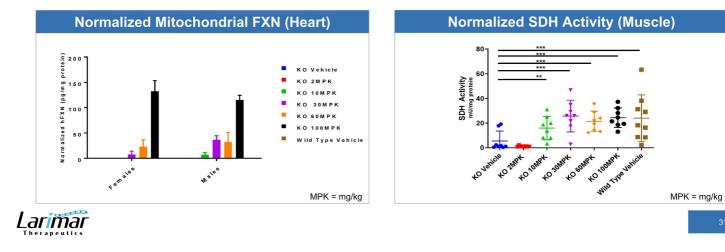
Pvalb-Cre FXN-KO mouse

Single dose level: 10 mg/kg CTI-1601 or vehicle given intraperitoneally three times per week

- ⊘ hFXN replacement with CTI-1601 prevents the development of ataxic gait
- CTI-1601-treated mice **survive longer** than untreated mice
- Human frataxin **present in brain, dorsal root ganglia and spinal cord** demonstrating central nervous system penetration

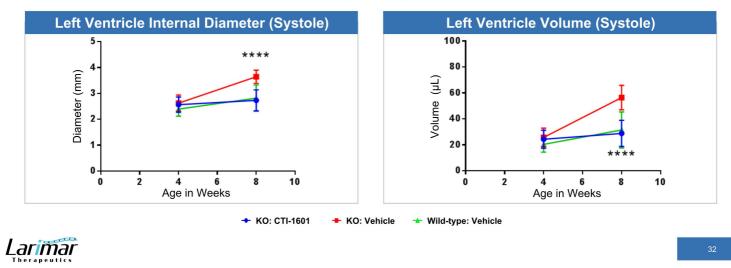
CTI-1601 Delivers hFXN to Mitochondria in KO Mice

- hFXN concentration within mitochondria increases in a dose-dependent manner
- Given subcutaneously, CTI-1601 functionally replaces hFXN in mitochondria of KO mice
- Succinate dehydrogenase (SDH) activity, which is indicative of mitochondrial function, increases in a dose-dependent manner after administration of CTI-1601; activity plateaus at 30 mg/kg and is equivalent to activity in wild type animals
- · Demonstrated normalization of gene expression in cardiac tissue



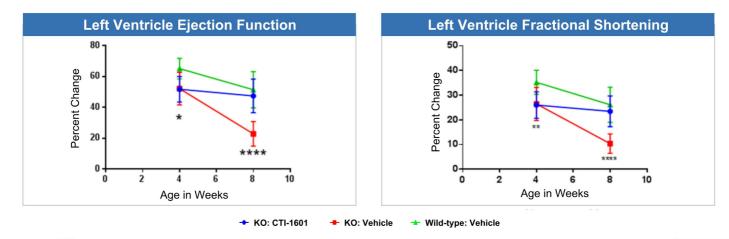
CTI-1601 Prevents Left Ventricle Dilation in KO Mice

- Left ventricular (LV) volume increases in systole in untreated mice by 8 weeks (after 4 weeks of dosing with vehicle), but remains similar to wildtype when treated with CTI-1601 (10 mg/kg every other day)
- CTI-1601-treated mice have similar LV volume as healthy controls; echocardiogram shows significant differences between vehicle and CTI-1601 treated (10 mg/kg every other day) KO mice



CTI-1601 Preserves Left Ventricle Function in KO Mice

- Left ventricular (LV) function drops significantly in vehicle treated mice by week 8
- CTI-1601-treated (10 mg/kg every other day) mice have similar LV as healthy controls; echocardiogram shows significant differences between vehicle and CTI-1601 treated KO mice



Larmar